

program4--table 7.log

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name: <unnamed>
log: ...\\program4--table 7.log
log type: text
opened on: 2 Sep 2014, 16:33:06

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. *****
> * Author: E McClintock *
> * Last modified: September 2014 *
> * Last modifications: Comment-out *
> * tabs with small cell sizes, *
> * add comments, for posting on *
> * website *
> * Purpose: matching or exchange? *
> * Does: negative binomial models *
> * presented in Table 7 *
> *****;
. *** Open Partner-Level Data, Modified for this analysis in "exchange and mathcing
- data.
> do" ***;
. * this data is organized by gender *;
. use "...\\program2--forecast SES.dta";
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

. des, short ;

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Contains data from ...\\program2--forecast SES.dta
obs: 16,577 National Longitudinal Study of
Adolescent Health (Add Health), 1994-2008: wave
I
vars: 326 30 Dec 2013 17:48
size: 19,991,862
sorted by: aid _mj

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```
. sum ;
```

Variable	Obs	Mean	Std. Dev.	Min	Max
aid	0				
f3_rdur	16349	38.65538	26.67304	3	170
m3_rdur	16261	38.31029	26.7732	3	172.1295
m3_physatt	16577	3.443928	.7510502	1	5
m3_peratt	16577	3.605839	.795611	1	5
m3_groomed	16577	3.40146	.724106	1	5
m3_attract	16540	3.054172	.7669113	1	4
m1_mom_edu	15744	2.545795	.9911308	1	4
m1_dad_edu	15634	2.606115	.9800823	1	4
m1_hshld_inc	16577	43.66673	49.38981	-154.4696	500
m3_calcage3	16577	23.48109	3.301404	18	43
m3_bmi_3	16531	27.17672	5.647614	13.11301	53.0155
m3_yrsedu	16576	12.73775	1.982259	8	21
m4_edu5	15671	2.763129	1.078618	1	5
m4_inc	15656	41557.53	50233.15	-214528.4	619800
m3_inschl3	16576	.2933156	.5773973	0	2
m3_ee_cgrdp	16574	.2204055	.4145326	0	1
m3_trdgdr	16441	3.160513	1.332848	1	5
m2_gpa	15519	2.460601	.9007052	-1.361635	6.23063
m3_ahpvt	16577	50.57191	29.23043	0	135.5797

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m3_cesd9	16568	5.899299	2.989047	-1.53313	24
m3_diagdep	16574	.0657657	.2478795	0	1
m1_dad_hh7	15963	2.886832	1.965892	1	7
m1_mom_hh7	15966	4.449956	1.673882	1	7
m3_hh7	16200	3.639352	1.568136	1	7
m4_hh7	7510	3.8247	1.65418	1	7
m3_sei	16577	36.19993	22.06845	-32.93545	107.5414
m3_npboss90	12133	45.83854	24.84164	4.964933	93.5
m4_sei	15661	38.71066	23.31796	-41.23652	137.1997
m4_npboss90	6479	51.20751	25.47756	1.2	99.1
m1_dad_sei	16577	25.31592	24.86328	-17.17686	90.14209
m1_dad_np~90	9823	52.59537	20.85934	16.16835	89.11816
m3_citizen	16577	.9601858	.1955284	0	1
m3_health	16577	1.898474	.8432295	1	4
m3_intid	16577	558824.2	68233.36	200048	615542
m3_intrace	15928	1.271409	.507104	1	3
m3_intedu	15477	2.348969	.6647251	1	3
f3_partner	16577	.4591904	.4983468	0	1
f3_physatt	16577	3.629064	.8581217	1	5
f3_peratt	16577	3.79363	.8469016	1	5
f3_groomed	16577	3.580624	.7697879	1	5
f3_attract	16554	2.999819	.7270938	1	4
f3_calcage3	16577	21.85136	2.373155	18	40
f3_bmi_3	16545	26.55298	6.705264	15.31002	51.75875
f3_yrsedu	16577	12.95687	1.960551	8	20
f3_inschl3	16573	.4023412	.6205308	0	2
f3_ee_cgrdp	16576	.2720801	.4450444	0	1
f3_trdgdr	16443	3.613148	1.366761	1	5
f3_ahpvt	16577	47.75008	29.77956	0	149.0966
f3_pregnow	16577	.0676841	.2512107	0	1
f3_cesd9	16572	6.895753	3.605799	-2.549283	24
f3_diagdep	16575	.1596983	.3663371	0	1
f1_dad_hh7	15924	2.818199	1.941551	1	7
f1_mom_hh7	16010	4.336602	1.699661	1	7
f3_hh7	16031	4.198459	1.433847	1	7
f3_sei	16577	41.78224	22.83782	-38.48993	118.0273
f3_npboss90	10516	43.45261	24.85461	4.964933	99.7
f1_dad_sei	16577	24.30016	24.51172	-12.41733	85.97696
f1_dad_np~90	9394	52.9366	20.38989	16.16835	89.11816
f3_citizen	16577	.9621765	.1907749	0	1
f3_health	16577	2.076311	.8744299	1	4
f3_intid	16577	558714.5	68137.32	200048	615542
f3_intrace	15972	1.262397	.4944938	1	3
f3_intedu	15631	2.351161	.6668015	1	3
f1_mom_edu	15865	2.575165	1.031727	1	4
f1_dad_edu	15742	2.669229	.975094	1	4
f1_hshld_inc	16577	40.07654	35.43416	-111.2783	450
f4_edu5	15819	3.011821	1.037567	1	5
f4_inc	15793	28677.19	55865.75	-184251.7	999995
f2_gpa	15639	2.82597	.7998261	-.4221382	5.915472
f4_hh7	8871	4.542949	1.383228	1	7
f4_sei	15800	45.92977	22.60486	-62.08689	139.2408

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f4_npboss90	8030	50.41918	26.21863	1.2	99.1
m3_ln_income	16313	8.623525	2.782577	0	19.16635
f3_ln_income	16251	7.842238	3.019725	0	18.21801
c3_sameint	16577	.8659589	.3407068	0	1
m3_emosup	16453	7.312123	2.695886	-2.973379	15.35279
f3_emosup	16469	6.862194	2.504079	-1.608267	14.68336
f3_marital	16577	1.922362	.7931247	1	3
m3_marital	16577	1.919044	.7948828	1	3
f3_married	16577	.3563371	.4789309	0	1
f3_cohab	16577	.3649635	.4814344	0	1
f3_dating	16577	.2786994	.4483728	0	1
m3_married	16577	.3596549	.4799137	0	1
m3_cohab	16577	.3616457	.4804914	0	1
m3_dating	16577	.2786994	.4483728	0	1
m3_race4	16569	1.753395	1.030216	1	4
f3_race4	16576	1.762126	1.063279	1	4
f3_miss_rdur	16577	.151294	.358346	0	1
m3_miss_rdur	16577	.2096881	.4070983	0	1
c3_miss_rdur	16577	.0457863	.2090277	0	1
_mi	16577	754	435.0465	1	1507
_mj	16577	5	3.162373	0	10
m3_white	16569	.5820508	.4932366	0	1
m3_black	16569	.1848029	.3881493	0	1
m3_hisp	16569	.1308468	.3372429	0	1
m3_other	16569	.1022995	.3030509	0	1
f3_white	16576	.5950169	.4909036	0	1
f3_black	16576	.1652992	.3714616	0	1
f3_hisp	16576	.1222249	.3275553	0	1
f3_other	16576	.117459	.3219761	0	1
m4_hsged	15671	.2286389	.4199695	0	1
m4_mths	15671	.4390913	.4962921	0	1
m4_cgrdp	15671	.192266	.3940935	0	1
f4_hsged	15819	.1846514	.3880267	0	1
f4_mths	15819	.4826474	.4997146	0	1
f4_cgrdp	15819	.2520387	.4341971	0	1
c3_white	16568	.5181676	.4996849	0	1
c3_black	16568	.1473926	.3545075	0	1
c3_hisp	16568	.0723684	.2591048	0	1
c3_other	16568	.2620715	.4397746	0	1
c3_race4	16568	2.078344	1.277804	1	4
c3_race5	16568	2.285973	1.611007	1	5
c3_married	16577	.3483743	.4764697	0	1
c3_cohab	16577	.3536828	.4781266	0	1
c3_dating	16577	.2786994	.4483728	0	1
c3_mrtlmix	16577	.0192435	.137384	0	1
c3_rdur	16508	38.2706	25.96699	-53.51838	171.0648
f3_underwe~t	16577	.0453037	.2079758	0	1
f3_normalw~t	16577	.4663087	.4988787	0	1
f3_overwei~t	16577	.2380407	.425897	0	1
f3_obese	16577	.2503469	.4332258	0	1
f3_weightcat	16577	2.693431	.8966238	1	4
m3_underwe~t	16577	.0202087	.1407179	0	1
m3_normalw~t	16577	.3784762	.4850218	0	1

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m3_overwei~t	16577	.3294927	.4700432	0	1
m3_obese	16577	.2718224	.4449123	0	1
m3_weightcat	16577	2.852929	.8423457	1	4
m3_attvatt	16577	.4280027	.4948042	0	1
f3_attvatt	16577	.5467817	.4978217	0	1
f3_ovatt	16577	3.667773	.6863586	1	5
m3_ovatt	16577	3.483743	.6242586	1	5
f3_ovatt2	16577	3.604844	.7210375	1	5
m3_ovatt2	16577	3.422694	.6464552	1	5
f3_ovatt_w~p	16577	1.839386	.376659	.5	2.666667
m3_ovatt_w~p	16577	1.747371	.3414201	.5	2.666667
f3_ovatt_w~2	16577	2.077472	.6040252	.25	3.5
m3_ovatt_w~2	16577	1.939449	.5422909	0	3.5
m3_sesidx	16576	22.72545	11.44569	-7.978484	51.025
f3_sesidx	16577	23.45817	10.9565	-8.163308	54.175
mf3_bmi	16504	.6295107	7.509874	-28.20793	28.89448
fm3_bmi	16504	-.6295107	7.509874	-28.89448	28.20793
mf3_sesidx	16576	-.733128	13.52819	-47.12655	56.93528
fm3_sesidx	16576	.733128	13.52819	-56.93528	47.12655
mf3_physatt	16577	-.185136	.9908126	-4	4
fm3_physatt	16577	.185136	.9908126	-4	4
mf3_groomed	16577	-.1791639	.8225776	-4	4
fm3_groomed	16577	.1791639	.8225776	-4	4
mf3_yrsedu	16576	-.2191723	1.856719	-8	9
fm3_yrsedu	16576	.2191723	1.856719	-9	8
mf3_ln_inc~e	16141	.784536	3.137951	-11.70197	12.84202
fm3_ln_inc~e	16141	-.784536	3.137951	-12.84202	11.70197
mf3_ahpvt	16502	2.854046	31.01009	-97	101.8168
fm3_ahpvt	16502	-2.854046	31.01009	-101.8168	97
mf3_peratt	16577	-.1877903	.9686323	-4	4
fm3_peratt	16577	.1877903	.9686323	-4	4
mf3_emosup	16364	.4506781	3.549456	-13.47904	12.60827
fm3_emosup	16364	-.4506781	3.549456	-12.60827	13.47904
mf3_calcage3	16577	1.629728	3.296695	-16	20
fm3_calcage3	16577	-1.629728	3.296695	-20	16
mf3_ee_cgrdp	16573	-.0516503	.3972956	-1	1
fm3_ee_cgrdp	16573	.0516503	.3972956	-1	1
mf3_ovatt	16577	-.1840301	.7282492	-4	2.666667
fm3_ovatt	16577	.1840301	.7282492	-2.666667	4
mf3_ovatt_w~p	16577	-.092015	.3641246	-2	1.333333
fm3_ovatt_w~p	16577	.092015	.3641246	-1.333333	2
mf3_sei	15820	-6.167851	27.42465	-103.0273	120.6602
fm3_sei	15820	6.167851	27.42465	-120.6602	103.0273
mf3_npboss90	8184	1.53053	29.63674	-76.73506	78.20376
fm3_npboss90	8184	-1.53053	29.63674	-78.20376	76.73506
mf3_income	16141	21431.55	2047268	-7.45e+07	2.06e+08
fm3_income	16141	-21431.55	2047268	-2.06e+08	7.45e+07
f3_edu5	16577	2.49436	.9986031	1	5
m3_edu5	16576	2.382843	1.004499	1	5
f3_physatt3	16577	3.489051	.6044529	2	4
m3_physatt3	16577	3.371599	.5885075	2	4
mxf3_obese	16577	.1106352	.3136893	0	1

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mxf3_overw~t	16577	.0859022	.280228	0	1
mxf3_under~t	16577	.0027146	.0520327	0	1
mxf3_attvatt	16577	.2913072	.4543785	0	1
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f3_phys1	16577	.0179164	.1326516	0	1
f3_phys2	16577	.0398142	.1955284	0	1
f3_phys3	16577	.3954877	.4889699	0	1
f3_phys4	16577	.388852	.4875043	0	1
f3_phys5	16577	.1579297	.364686	0	1
-----					
m3_phys1	16577	.0099536	.0992727	0	1
m3_phys2	16577	.0464499	.2104637	0	1
m3_phys3	16577	.5155939	.4997718	0	1
m3_phys4	16577	.34572	.4756168	0	1
m3_phys5	16577	.0822827	.2748032	0	1
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f3_per1	16577	.0165893	.1277303	0	1
f3_per2	16577	.013935	.1172246	0	1
f3_per3	16577	.3417386	.4743067	0	1
f3_per4	16577	.4147313	.4926905	0	1
f3_per5	16577	.213006	.4094442	0	1
-----					
m3_per1	16577	.0099536	.0992727	0	1
m3_per2	16577	.0331785	.1791079	0	1
m3_per3	16577	.4319841	.4953672	0	1
m3_per4	16577	.3908427	.4879539	0	1
m3_per5	16577	.1340411	.3407068	0	1
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f3_grm1	16577	.0059721	.0770508	0	1
f3_grm2	16577	.0351692	.1842129	0	1
f3_grm3	16577	.4525547	.4977589	0	1
f3_grm4	16577	.3848706	.4865794	0	1
f3_grm5	16577	.1214333	.32664	0	1
-----					
m3_grm1	16577	.0072993	.085126	0	1
m3_grm2	16577	.047777	.2133006	0	1
m3_grm3	16577	.5534174	.4971534	0	1
m3_grm4	16577	.3191772	.4661719	0	1
m3_grm5	16577	.0723291	.2590399	0	1
-----					
f3_per45	16577	.6277372	.4834225	0	1
m3_per45	16577	.5248839	.4993955	0	1
f3_grm45	16577	.5063039	.4999753	0	1
m3_grm45	16577	.3915063	.4881019	0	1
f3_phys12	16577	.0577306	.2332403	0	1
-----					
f3_phys123	16577	.4532183	.4978217	0	1
m3_phys12	16577	.0564035	.2307061	0	1
m3_phys123	16577	.5719973	.4948042	0	1
f3_phys45	16577	.5467817	.4978217	0	1
m3_phys45	16577	.4280027	.4948042	0	1
-----					
f3_phys345	16577	.9422694	.2332403	0	1
m3_phys345	16577	.9435965	.2307061	0	1
f3_per12	16577	.0305242	.1720299	0	1
m3_per12	16577	.0431321	.2031604	0	1
f3_grm12	16577	.0411413	.198623	0	1
-----					
m3_grm12	16577	.0550763	.228136	0	1
m3_rdur_sh~t	16577	.3258129	.4686919	0	1
m3_rdur_med	16577	.3216505	.4671238	0	1
m3_rdur_long	16577	.352597	.477793	0	1
f3_rdur_sh~t	16577	.3373952	.4728352	0	1

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f3_rdur_med	16577	.318031	.4657256	0	1
f3_rdur_long	16577	.3538638	.478182	0	1
c3_rdur_sh~t	16577	.3367919	.4726273	0	1
c3_rdur_med	16577	.3205043	.4666845	0	1
c3_rdur_long	16577	.3427641	.4746477	0	1
hh7_diff	15828	-.5599254	1.931978	-6	6
hh7_diff4	15433	-.4524396	2.047653	-6	6
hh7_m3d_diff	15723	.8324111	2.380824	-6	6
npb~m3d_diff	6996	-6.719835	29.59851	-84.15323	75.24076
hh7_f3d_diff	15662	1.328342	2.369468	-6	6
npb~f3d_diff	6490	-8.990165	31.43215	-84.15323	75.63165
hh7_m3m_diff	15773	-.6928929	2.104823	-6	5.5
hh7_f3m_diff	15657	-.2499202	2.106129	-6	6
hh7_dad_diff	15614	-.0675676	2.493663	-6	6
npboss90_d~f	5984	.2043767	27.27621	-72.75893	72.94981
hh7_mom_diff	15630	-.1109085	2.227654	-6	6
hh7_m4d_diff	7287	.9755043	2.407865	-6	6
npb~m4d_diff	4026	-.1568106	30.1261	-80.50416	70.64076
npb~f4d_diff	4983	-.8538691	33.13329	-79.88879	82.74076
hh7_f4d_diff	8598	1.64201	2.305379	-6	6
hh7_m4m_diff	7263	-.4914636	2.239267	-6	6
hh7_f4m_diff	8537	.1082933	2.114105	-6	6
mf3_hh7_mo~f	15364	-.4916363	3.2714	-10.5	10.5
mf3_npb_mo~f	3146	.7253917	39.43328	-126.3069	104.0124
m3_bmi_spl~1	16531	26.83045	6.681455	0	53.0155
m3_bmi_spl~2	16531	19.28907	14.98493	0	53.0155
m3_bmi_spl~3	16531	10.01654	15.71415	0	53.0155
f3_bmi_spl~1	16545	25.75341	8.525008	0	51.75875
f3_bmi_spl~2	16545	16.25355	16.24847	0	51.75875
f3_bmi_spl~3	16545	9.558089	16.04256	0	51.75875
m3_avgp	16577	.9435965	.2307061	0	1
f3_avgp	16577	.9422694	.2332403	0	1
m3_vatt	16577	.0822827	.2748032	0	1
f3_vatt	16577	.1579297	.364686	0	1
m3_unatt	16577	.0564035	.2307061	0	1
f3_unatt	16577	.0577306	.2332403	0	1
m3_vunatt	16577	.0099536	.0992727	0	1
f3_vunatt	16577	.0179164	.1326516	0	1
m3_unattp	16577	.9900464	.0992727	0	1
f3_unattp	16577	.9820836	.1326516	0	1
f3_eduXmrd	16577	4.567352	6.248103	0	19
f3_eduXchb	16577	4.636364	6.224737	0	20
m3_eduXmrd	16576	4.518521	6.143455	0	20
m3_eduXchb	16576	4.513212	6.102934	0	21
fm3_eduXmrd	16576	.0915782	1.135071	-6	6
fm3_eduXchb	16576	.0809604	1.099056	-9	8
mf3_eduXmrd	16576	-.0915782	1.135071	-6	6
mf3_eduXchb	16576	-.0809604	1.099056	-8	9
c3_calcage3	16577	22.66622	2.355529	18	33
f1_wc_hh7	16577	.2802678	.4491436	0	1
f1_wc_sei	16577	.7645533	.4242905	0	1
f1_wc_npb~90	16577	.3556735	.4787313	0	1

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m1_wc_hh7	16577	.2929963	.4551505	0	1
m1_wc_sei	16577	.7521264	.431791	0	1
m1_wc_npb~90	16577	.3696085	.4827133	0	1
-----					
m1_mom_msed	16577	.0502503	.2184677	0	1
m1_mom_lths	16577	.1549134	.3618331	0	1
m1_mom_hs	16577	.3153767	.4646798	0	1
m1_mom_mths	16577	.2856367	.4517308	0	1
m1_mom_cg	16577	.1938228	.3953036	0	1
-----					
m1_dad_msed	16577	.056886	.2316317	0	1
m1_dad_lths	16577	.1018882	.3025103	0	1
m1_dad_hs	16577	.4061652	.4911309	0	1
m1_dad_mths	16577	.1965977	.3974375	0	1
m1_dad_cg	16577	.2384629	.4261564	0	1
-----					
f1_mom_msed	16577	.0429511	.202753	0	1
f1_mom_lths	16577	.1582313	.3649687	0	1
f1_mom_hs	16577	.3243048	.4681286	0	1
f1_mom_mths	16577	.240333	.4272986	0	1
f1_mom_cg	16577	.2341799	.4234979	0	1
-----					
f1_dad_msed	16577	.050371	.2187159	0	1
f1_dad_lths	16577	.0793268	.2702563	0	1
f1_dad_hs	16577	.4224528	.4939647	0	1
f1_dad_mths	16577	.180853	.3849079	0	1
f1_dad_cg	16577	.2669964	.4424038	0	1
-----					
m1_miss_hh~c	16577	-2.933218	11.51136	-154.4696	1
m1_miss_dsei	16577	-.0233805	.4281177	-17.17686	1
m3_miss_ah~t	16577	.0034988	.0590491	0	1
m3_miss_sei	16577	-.0549572	.9888119	-32.93545	1
f1_miss_hh~c	16577	-1.13265	5.984696	-111.2783	1
-----					
f1_miss_dsei	16577	-.0380714	.5117876	-12.41733	1
f3_miss_ah~t	16577	.0030509	.0549035	0	1
f3_miss_sei	16577	-.1003531	1.43417	-38.48993	1
m4_ln_inc	13599	10.39504	1.593826	0	13.33715
m4_ln_incp	16566	10.5689	1.510987	8.064327	28.69805
-----					
m4_inc10	15656	1.165687	1.007484	1	10
m4_inc10p	16566	5.81456	3.534439	1	10
m4_seip	16566	42.53598	17.20638	-217.8024	174.7746
m4_edu5p	16566	2.933357	.9388945	1	5
f4_ln_inc	13374	9.437894	2.944852	0	13.81551
-----					
f4_pct_inc	16577	24000	0	24000	24000
f4_ln_incp	16575	8.164095	4.219331	-62.36927	49.40265
f4_inc10	15793	1.202431	1.112635	1	10
f4_inc10p	16575	5.125792	3.638507	1	10
f4_seip	16575	41.4766	23.79724	-351.3786	76.53989
-----					
f4_edu5p	16575	3.190649	.8822133	1	5

\*\*\*\*\* LOG-LINEAR MODELS \*\*\*\*\*

```

> *****;
. recode m3_physatt 1=2, gen(m3_physatt4) ;
(165 differences between m3_physatt and m3_physatt4)

. recode f3_physatt 1=2, gen(f3_physatt4) ;
(297 differences between f3_physatt and f3_physatt4)

```

```
. gen all = 1 ;
. save "...\\temp_mim.dta", replace ;
file ...\\temp_mim.dta saved
. keep if _mj == 0 ;
(15070 observations deleted)
. save "...\\temp.dta", replace ;
file ...\\temp.dta saved
. ***** Use college grad status *****;
. *** Not MIM ***;
. use "...\\temp.dta", clear ;
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)
. display "tab before contract" ;
tab before contract
. tab1 f3_physatt4 m3_physatt4 f3_ee_cgrdp m3_ee_cgrdp ;
```

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,096	72.78	72.78
1	410	27.22	100.00
Total	1,506	100.00	

-> tabulation of m3\_ee\_cgrdp



program4--table 7.log

Clg Grad or More	Freq.	Percent	Cum.
0	1,172	77.93	77.93
1	332	22.07	100.00
Total	1,504	100.00	

```
. contract m3_physatt4 f3_physatt4 f3_ee_cgrdp m3_ee_cgrdp, freq(count) zero ;
. display "edu_endog" ;
edu_endog
```

```
. gen edu_endog = 0 ;
```

```
. replace edu_endog = 1 if m3_ee_cgrdp == f3_ee_cgrdp ;
(48 real changes made)
```

```
. table m3_ee_cgrdp f3_ee_cgrdp, contents(mean edu_endog) ;
```

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	0	1

```
. display "physatt_endog" ;
physatt_endog
```

```
. gen physatt_endog = 0 ;
```

```
. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;
(36 real changes made)
```

```
. table m3_physatt4 f3_physatt4, contents(mean physatt_endog) ;
```

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt	2	3	4	5
2	1	0	0	0	0
3	0	1	0	0	0
4	0	0	1	0	0
5	0	0	0	0	1

```
. display "exchange" ;
exchange
```

```
. gen exchange = 0 ;
```

```
. replace exchange = 1 if ((f3_ee_cgrdp > m3_ee_cgrdp) & (f3_physatt4 < m3_physatt4))
```

```
> | ((f3_ee_cgrdp < m3_ee_cgrdp) & (f3_physatt4 >
```

m3\_physatt4)) ;  
 (36 real changes made)

. table m3\_ee\_cgrdp f3\_ee\_cgrdp, contents(mean exchange) ;

```
-----
```

C1g Grad or More	C1g Grad or More 0	1
0	0	.375
1	.375	0

```
-----
```

. table m3\_physatt4 f3\_physatt4, contents(mean exchange) ;

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	2	3	4	5
2	0	.3333333	.3333333	.3333333
3	.3333333	0	.3333333	.3333333
4	.3333333	.3333333	0	.3333333
5	.3333333	.3333333	.3333333	0

```
-----
```

. display "exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)"  
 ;  
 exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)

. gen exchange\_trad = 0 ;

. replace exchange\_trad = 1 if ((f3\_ee\_cgrdp < m3\_ee\_cgrdp) & (f3\_physatt4 >  
 m3\_physatt4))  
 > ;  
 (18 real changes made)

. table m3\_ee\_cgrdp f3\_ee\_cgrdp, contents(mean exchange\_trad) ;

```
-----
```

C1g Grad or More	C1g Grad or More 0	1
0	0	0
1	.375	0

```
-----
```

. table m3\_physatt4 f3\_physatt4, contents(mean exchange\_trad) ;

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical
--

```

                                program4--table 7.log
attractiv |          RECODE of f3_physatt
eness)     |          2          3          4          5
-----|-----
      2 |          0  .3333333 .3333333 .3333333
      3 |          0          0 .3333333 .3333333
      4 |          0          0          0 .3333333
      5 |          0          0          0          0
-----|-----

```

```

. display "model with gender-symmetric exchange term but without
gender-stereotypical excha
> nge term" ;
model with gender-symmetric exchange term but without gender-stereotypical exchange
term

```

```

. desmat: nbreg count edu_endog physatt_endog exchange f3_ee_cgrdp m3_ee_cgrdp
m3_physatt4
> f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;
-----

```

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.228
Log likelihood:
-164.232
LR chi square:
185.992
Model degrees of freedom:
17
Pseudo R-squared:
0.362
Dispersion:
mean
Prob:
0.000
-----

```

```

-----
nr Effect                                Coeff
s.e.
-----
count
  edu_endog
1      1                                1.506**
0.104
  physatt_endog
2      1                                0.669**
0.099
  exchange
3      1                                0.178
0.201
  f3_ee_cgrdp
4      1                                -0.836**
0.297
  m3_ee_cgrdp
-----

```

```

5      1                                -1.937**
0.370
      m3_physatt4
6      3                                1.893**
0.154
7      4                                1.399**
0.158
8      5                                -0.084
0.189
      f3_physatt4
9      3                                1.591**
0.168
10     4                                1.523**
0.169
11     5                                0.664**
0.182
      f3_ee_cgrdp.f3_physatt4
12     1.3                              0.094
0.323
13     1.4                              0.598
0.324
14     1.5                              1.040**
0.342
      m3_ee_cgrdp.m3_physatt4
15     1.3                              0.653
0.387
16     1.4                              1.092**
0.391
17     1.5                              1.581**
0.424
18     _cons                            0.092
0.207
      lnalpha
19     _cons                            -3.929**
0.779

```

-----  
\* p < .05  
\*\* p < .01

. estat ic ;

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.2278	-164.2319	19	366.4638	407.4826

Note: N=Obs used in calculating BIC; see [R] BIC note

```

. display "model with gender-symmetric exchange term and gender-stereotypical
exchange term
> " ;
model with gender-symmetric exchange term and gender-stereotypical exchange term

. desmat: nbreg count edu_endog physatt_endog exchange exchange_trad f3_ee_cgrdp
m3_ee_cgrdp
> p m3_physatt4 f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;

```

-----  
Negative binomial regression

program4--table 7.log

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.228
Log likelihood:
-164.217
LR chi square:
186.022
Model degrees of freedom:
18
Pseudo R-squared:
0.362
Dispersion:
mean
Prob:
0.000

```

-----			
nr	Effect		Coeff
-----		s.e.	
-----			
	count		
1	edu_endog		1.508**
0.104	1		
2	physatt_endog		0.669**
0.099	1		
3	exchange		0.146
0.271	1		
4	exchange_trad		0.067
0.389	1		
5	f3_ee_cgrdp		-0.820**
0.312	1		
6	m3_ee_cgrdp		-1.950**
0.377	1		
7	m3_physatt4		1.893**
0.154	3		
8			1.402**
0.159	4		
9			-0.080
0.191	5		
10	f3_physatt4		1.592**
0.168	3		
11			1.521**
0.169	4		
12			0.661**
0.183	5		
13	f3_ee_cgrdp.f3_physatt4		0.086
0.326	1.3		

program4--table 7.log

```

14      1.4                                0.589
0.328
15      1.5                                1.032**
0.345
      m3_ee_cgrdp.m3_physatt4
16      1.3                                0.657
0.387
17      1.4                                1.097**
0.392
18      1.5                                1.586**
0.425
19      _cons                               0.089
0.207
      lnalpha
20      _cons                               -3.937**
0.782

```

```

-----
* p < .05
** p < .01

```

. estat ic ;

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.2278	-164.2169	20	368.4338	411.6115

Note: N=Obs used in calculating BIC; see [R] BIC note

```

. *** MIM ***;
. forvalues i = 1/10 { ;
2. use "...\temp_mim.dta", clear ;
3. keep if _mj == `i' ;
4. display "imputation is `i'" ;
5. display "tab before contract" ;
6. tab1 f3_physatt4 m3_physatt4 f3_ee_cgrdp m3_ee_cgrdp ;
7. contract m3_physatt4 f3_physatt4 f3_ee_cgrdp m3_ee_cgrdp, freq(count) zero ;
8. display "edu_endog" ;
9. gen edu_endog = 0 ;
10. replace edu_endog = 1 if m3_ee_cgrdp == f3_ee_cgrdp ;
11. table m3_ee_cgrdp f3_ee_cgrdp, contents(mean edu_endog) ;
12. display "physatt_endog" ;
13. gen physatt_endog = 0 ;
14. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;
15. table m3_physatt4 f3_physatt4, contents(mean physatt_endog) ;
16. display "exchange" ;
17. gen exchange = 0 ;
18. replace exchange = 1 if ((f3_ee_cgrdp > m3_ee_cgrdp) & (f3_physatt4 <
m3_physatt4))
> | ((f3_ee_cgrdp < m3_ee_cgrdp) & (f3_physatt4 >
m3_physatt4)) ;
19. table m3_ee_cgrdp f3_ee_cgrdp, contents(mean exchange) ;
20. table m3_physatt4 f3_physatt4, contents(mean exchange) ;
21. display "exchange_trad--that is, gender-stereotypical exchange
(trad=traditional)" ;
22. gen exchange_trad = 0 ;
23. replace exchange_trad = 1 if ((f3_ee_cgrdp < m3_ee_cgrdp) & (f3_physatt4 >
m3_physatt4
> )) ;
24. table m3_ee_cgrdp f3_ee_cgrdp, contents(mean exchange_trad) ;

```

program4--table 7.log

```
25. table m3_physatt4 f3_physatt4, contents(mean exchange_trad) ;
26. display "poisson, without gender-stereotypical exchange term (only
gender-symmetric ex
> change)" ;
27. desmat: poisson count edu_endog physatt_endog exchange f3_ee_cgrdp m3_ee_cgrdp
m3_phys
> att4 f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;
28. estat ic ;
29. display "poisson, with gender-stereotypical exchange term" ;
30. desmat: poisson count edu_endog physatt_endog exchange exchange_trad
f3_ee_cgrdp m3_ee
> _cgrdp m3_physatt4 f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;
31. estat ic ;
32. display "nbreg, without gender-stereotypical exchange term (only
gender-symmetric exch
> ange)" ;
33. desmat: nbreg count edu_endog physatt_endog exchange f3_ee_cgrdp m3_ee_cgrdp
m3_physat
> t4 f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;
34. estat ic ;
35. * this is the coef matrix *;
. matrix b1=e(b) ;
36. matrix list b1 ;
37. matrix v1=e(V) ;
38. forvalues j=1/3 { ;
39. gen b1_`j'=b1[1,`j'] ;
40. gen v1_`j'=v1[`j',`j'] ;
41. gen se1_`j'=sqrt(v1_`j') ;
42. } ;
43. display "nbreg, with gender-stereotypical exchange term" ;
44. desmat: nbreg count edu_endog physatt_endog exchange exchange_trad f3_ee_cgrdp
m3_ee_c
> grdp m3_physatt4 f3_physatt4 f3_ee_cgrdp*f3_physatt4 m3_ee_cgrdp*m3_physatt4 ;
45. estat ic ;
46. * this is the coef matrix *;
. matrix b2=e(b) ;
47. matrix list b2 ;
48. matrix v2=e(V) ;
49. forvalues j=1/4 { ;
50. gen b2_`j'=b2[1,`j'] ;
51. gen v2_`j'=v2[`j',`j'] ;
52. gen se2_`j'=sqrt(v2_`j') ;
53. } ;
54. drop _* ;
55. gen mj=`i' ;
56. keep mj b* v* se* ;
57. des ;
58. sum ;
59. sample 1, count ;
60. save "...temp`i'", replace ;
61. } ;
```

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(15070 observations deleted)

imputation is 1  
tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32

4	586	38.89	84.21
5	238	15.79	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
-----			
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
-----			
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	
0	0	1
1	1	0
1	0	1

physatt\_endog  
(16 real changes made)

-----  
RECODE of  
m3\_physat  
t (w3 -  
Interview  
er-rated  
physical



attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	.375	0
1	0	.375

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)  
Page 17

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.493**
2	physatt_endog	1	0.536**
3	exchange	1	0.096
4	f3_ee_cgrdp	1	-0.806**
5	m3_ee_cgrdp	1	-1.927**
6	m3_physatt4	3	1.943**
7		4	1.415**
8		5	-0.034
9	f3_physatt4	3	1.648**
10		4	1.605**
11		5	0.711**
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
13		1.4	0.576*

program4--table 7.log

0.292		
14	1.5	0.988**
0.310		
	m3_ee_cgrdp.m3_physatt4	
15	1.3	0.635
0.366		
16	1.4	1.137**
0.368		
17	1.5	1.548**
0.403		
18	_cons	0.059
0.176		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

-----  
 Poisson regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	1	1.497**
0.086			
	physatt_endog	1	0.536**
2			
0.058	exchange		

program4--table 7.log

3	1		0.051
0.239		exchange_trad	
4	1		0.097
0.351		f3_ee_cgrdp	
5	1		-0.783**
0.291		m3_ee_cgrdp	
6	1		-1.946**
0.364		m3_physatt4	
7	3		1.943**
0.123			
8	4		1.417**
0.129			
9	5		-0.029
0.163		f3_physatt4	
10	3		1.649**
0.132			
11	4		1.603**
0.131			
12	5		0.708**
0.147		f3_ee_cgrdp.f3_physatt4	
13	1.3		0.077
0.295			
14	1.4		0.563
0.296			
15	1.5		0.975**
0.313		m3_ee_cgrdp.m3_physatt4	
16	1.3		0.641
0.366			
17	1.4		1.146**
0.370			
18	1.5		1.556**
0.404			
19	_cons		0.055
0.177			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
 Negative binomial regression

-----  
 Dependent variable  
 count  
 Optimization:

program4--table 7.log

```

m1
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.157
LR chi square:
186.714
Model degrees of freedom:
17
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

---

nr	Effect	Coeff
s.e.		
<hr/>		
	count	
	edu_endog	
1	1	1.501**
0.103		
	physatt_endog	
2	1	0.664**
0.099		
	exchange	
3	1	0.170
0.200		
	f3_ee_cgrdp	
4	1	-0.832**
0.297		
	m3_ee_cgrdp	
5	1	-1.954**
0.370		
	m3_physatt4	
6	3	1.879**
0.154		
7	4	1.384**
0.158		
8	5	-0.087
0.189		
	f3_physatt4	
9	3	1.599**
0.168		
10	4	1.527**
0.168		
11	5	0.666**
0.182		
	f3_ee_cgrdp.f3_physatt4	
12	1.3	0.087
0.323		
13	1.4	0.603
0.324		
14	1.5	1.037**
0.342		
	m3_ee_cgrdp.m3_physatt4	
15	1.3	0.668
0.386		

program4--table 7.log

```

16      1.4                                1.108**
0.391
17      1.5                                1.585**
0.424
18      _cons                               0.108
0.206
      lnalpha
19      _cons                               -3.937**
0.779

```

```

* p < .05
** p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,19]
count:      count:      count:      count:      count:      count:      count:
      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:      count:
      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

      count:      count:      count:      count:      lnalpha:
      _x_15     _x_16     _x_17     _cons     _cons
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term

```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363

```

program4--table 7.log

Dispersion:  
 mean  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	1	1.504**
0.104			
2	physatt_endog	1	0.663**
0.099			
3	exchange	1	0.133
0.270			
4	exchange_trad	1	0.081
0.388			
5	f3_ee_cgrdp	1	-0.812**
0.312			
6	m3_ee_cgrdp	1	-1.970**
0.377			
7	m3_physatt4	3	1.879**
0.154			
8		4	1.387**
0.158			
9		5	-0.082
0.190			
10	f3_physatt4	3	1.600**
0.168			
11		4	1.525**
0.169			
12		5	0.662**
0.183			
13	f3_ee_cgrdp.f3_physatt4	1.3	0.078
0.325			
14		1.4	0.592
0.328			
15		1.5	1.027**
0.345			
16	m3_ee_cgrdp.m3_physatt4	1.3	0.673
0.387			
17		1.4	1.114**
0.392			
18		1.5	1.591**
0.425			
19	_cons		0.105
0.207			
20	lnalpha		-3.947**
0.782	_cons		

---

program4--table 7.log

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,20]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
y1	1.5040866	.66345064	.13267866	.0807587	-.81209141	-1.969907
	1.8792987					

count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
y1	1.3866105	-.08208339	1.5997374	1.5249044	.66171603	.07781888
	.59160489					

count:	count:	count:	count:	count:	count:	lnalpha:
_x_15	_x_16	_x_17	_x_18	_cons	_cons	
y1	1.026613	.67253003	1.1144388	1.590696	.10493228	-3.9466623

Contains data from ...\\temp\_mim.dta  
 obs: 64  
 Adolescent

National Longitudinal Study of  
 Health (Add Health), 1994-2008: wave

I  
 vars: 22  
 size: 5,632  
 2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		



program4--table 7.log

b2\_4 float %9.0g  
v2\_4 float %9.0g  
se2\_4 float %9.0g  
mj float %9.0g

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	1	0	1	1

(63 observations deleted)  
file ...\temp1.dta saved  
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(15070 observations deleted)  
imputation is 2  
tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3\_physatt  
(W3 - Interviewer -rated

program4--table 7.log

physical attractiveness)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	1	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	0	.375	
1	0		0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.25	.25	.25	.25
3	.25	0	.25	.25	.25
4	.25	.25	0	.25	.25
5	.25	.25	.25	0	.25

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	0	0	0
1	0	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.25	.25	.25	.25
3	0	0	.25	.25	.25
4	0	0	0	.25	.25
5	0	0	0	0	.25

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:

program4--table 7.log

-1650.119  
 Log likelihood:  
 -166.044  
 LR chi square:  
 2968.150  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
<hr/>			
	count		
	edu_endog		
1	1		1.493**
0.085			
	physatt_endog		
2	1		0.536**
0.058			
	exchange		
3	1		0.096
0.175			
	f3_ee_cgrdp		
4	1		-0.806**
0.279			
	m3_ee_cgrdp		
5	1		-1.927**
0.358			
	m3_physatt4		
6	3		1.943**
0.123			
7	4		1.415**
0.128			
8	5		-0.034
0.162			
	f3_physatt4		
9	3		1.648**
0.132			
10	4		1.605**
0.131			
11	5		0.711**
0.146			
	f3_ee_cgrdp.f3_physatt4		
12	1.3		0.087
0.292			
13	1.4		0.576*
0.292			
14	1.5		0.988**
0.310			
	m3_ee_cgrdp.m3_physatt4		
15	1.3		0.635
0.366			
16	1.4		1.137**
0.368			
17	1.5		1.548**
0.403			
18	_cons		0.059
0.176			

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

Poisson regression

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count		
	edu_endog		
1	1	0.086	1.497**
2	physatt_endog		
	1	0.058	0.536**
3	exchange		
	1	0.239	0.051
4	exchange_trad		
	1	0.351	0.097
5	f3_ee_cgrdp		
	1	0.291	-0.783**
6	m3_ee_cgrdp		
	1	0.364	-1.946**
	m3_physatt4		

program4--table 7.log

7	3		1.943**
0.123			
8	4		1.417**
0.129			
9	5		-0.029
0.163			
	f3_physatt4		
10	3		1.649**
0.132			
11	4		1.603**
0.131			
12	5		0.708**
0.147			
	f3_ee_cgrdp.f3_physatt4		
13	1.3		0.077
0.295			
14	1.4		0.563
0.296			
15	1.5		0.975**
0.313			
	m3_ee_cgrdp.m3_physatt4		
16	1.3		0.641
0.366			
17	1.4		1.146**
0.370			
18	1.5		1.556**
0.404			
19	_cons		0.055
0.177			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
 Negative binomial regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -257.514  
 Log likelihood:  
 -164.157  
 LR chi square:  
 186.714  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:

program4--table 7.log

0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
-----			
	count		
	edu_endog		
1	1		1.501**
0.103			
	physatt_endog		
2	1		0.664**
0.099			
	exchange		
3	1		0.170
0.200			
	f3_ee_cgrdp		
4	1		-0.832**
0.297			
	m3_ee_cgrdp		
5	1		-1.954**
0.370			
	m3_physatt4		
6	3		1.879**
0.154			
7	4		1.384**
0.158			
8	5		-0.087
0.189			
	f3_physatt4		
9	3		1.599**
0.168			
10	4		1.527**
0.168			
11	5		0.666**
0.182			
	f3_ee_cgrdp.f3_physatt4		
12	1.3		0.087
0.323			
13	1.4		0.603
0.324			
14	1.5		1.037**
0.342			
	m3_ee_cgrdp.m3_physatt4		
15	1.3		0.668
0.386			
16	1.4		1.108**
0.391			
17	1.5		1.585**
0.424			
18	_cons		0.108
0.206			
	lnalpha		
19	_cons		-3.937**
0.779			

---

\* p < .05

\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=obs used in calculating BIC; see [R] BIC note

b1[1,19]

	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5013445	.66424416	.17032559	-.83222023	-1.9542453	1.8789154
	1.3837296					

	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.08737574	1.598827	1.5270383	.66597984	.08725489	.60257408
	1.0371731					

	count:	count:	count:	count:	lnalpha:
	_x_15	_x_16	_x_17	_cons	_cons
y1	.66801256	1.1075304	1.5846064	.10796512	-3.9373283
nbreg, with gender-stereotypical exchange term					

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-257.514  
Log likelihood:  
-164.136  
LR chi square:  
186.757  
Model degrees of freedom:  
18  
Pseudo R-squared:  
0.363  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	Coeff
	s.e.	

count  
edu\_endog



program4--table 7.log

1	1		1.504**
0.104		physatt_endog	
2	1		0.663**
0.099		exchange	
3	1		0.133
0.270		exchange_trad	
4	1		0.081
0.388		f3_ee_cgrdp	
5	1		-0.812**
0.312		m3_ee_cgrdp	
6	1		-1.970**
0.377		m3_physatt4	
7	3		1.879**
0.154			
8	4		1.387**
0.158			
9	5		-0.082
0.190		f3_physatt4	
10	3		1.600**
0.168			
11	4		1.525**
0.169			
12	5		0.662**
0.183		f3_ee_cgrdp.f3_physatt4	
13	1.3		0.078
0.325			
14	1.4		0.592
0.328			
15	1.5		1.027**
0.345		m3_ee_cgrdp.m3_physatt4	
16	1.3		0.673
0.387			
17	1.4		1.114**
0.392			
18	1.5		1.591**
0.425			
19	_cons		0.105
0.207		lnalpha	
20	_cons		-3.947**
0.782			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note  
 Page 33

program4--table 7.log

```

b2[1,20]
count:      count:      count:      count:      count:      count:
_x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5040866  .66345064  .13267866  .0807587  -.81209141  -1.969907
1.8792987

count:      count:      count:      count:      count:      count:
_x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  1.3866105  -.08208339  1.5997374  1.5249044  .66171603  .07781888
.59160489

count:      count:      count:      count:      count:      lnalpha:
_x_15     _x_16     _x_17     _x_18     _cons     _cons
y1  1.026613  .67253003  1.1144388  1.590696  .10493228  -3.9466623
    
```

Contains data from ...\\temp\_mim.dta  
 obs: 64  
 Adolescent

National Longitudinal Study of  
 Health (Add Health), 1994-2008: wave  
 I  
 vars: 22  
 size: 5,632  
 2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345

program4--table 7.log

v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
-----					
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
-----					
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
-----					
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
-----					
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	2	0	2	2

(63 observations deleted)

file ... \temp2.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 3

tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
-----			
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

program4--table 7.log

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (W3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt	2	3	4	5
2	1	0	0	0	0
3	0	1	0	0	0
4	0	0	1	0	0
5	0	0	0	0	1

exchange  
(12 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	0	.375	0
1	.375	0	0

RECODE of m3\_physatt (W3 -

program4--table 7.log

Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

program4--table 7.log

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	1	1.493**
0.085			
2	physatt_endog	1	0.536**
0.058			
3	exchange	1	0.096
0.175			
4	f3_ee_cgrdp	1	-0.806**
0.279			
5	m3_ee_cgrdp	1	-1.927**
0.358			
6	m3_physatt4	3	1.943**
0.123			
7		4	1.415**
0.128			
8		5	-0.034
0.162			
9	f3_physatt4	3	1.648**
0.132			
10		4	1.605**
0.131			
11		5	0.711**
0.146			
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
0.292			
13		1.4	0.576*
0.292			
14		1.5	0.988**
0.310			
15	m3_ee_cgrdp.m3_physatt4	1.3	0.635
0.366			
16		1.4	1.137**
0.368			
17		1.5	1.548**
0.403			
18	_cons		0.059
0.176			

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

Poisson regression

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	0.086	1.497**
2	physatt_endog	0.058	0.536**
3	exchange	0.239	0.051
4	exchange_trad	0.351	0.097
5	f3_ee_cgrdp	0.291	-0.783**
6	m3_ee_cgrdp	0.364	-1.946**
7	m3_physatt4	0.123	1.943**
8		0.129	1.417**
9		0.163	-0.029
10	f3_physatt4	0.132	1.649**
11		0.131	1.603**
12			0.708**

program4--table 7.log

0.147			
13	f3_ee_cgrdp.f3_physatt4		0.077
0.295	1.3		
14	1.4		0.563
0.296			
15	1.5		0.975**
0.313			
16	m3_ee_cgrdp.m3_physatt4		0.641
0.366	1.3		
17	1.4		1.146**
0.370			
18	1.5		1.556**
0.404			
19	_cons		0.055
0.177			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
 Negative binomial regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -257.514  
 Log likelihood:  
 -164.157  
 LR chi square:  
 186.714  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

-----  
 nr Effect  
 s.e. Coeff

-----  
 count



program4--table 7.log

1	edu_endog								
0.103	1								1.501**
2	physatt_endog								
0.099	1								0.664**
3	exchange								
0.200	1								0.170
4	f3_ee_cgrdp								
0.297	1								-0.832**
5	m3_ee_cgrdp								
0.370	1								-1.954**
6	m3_physatt4								
0.154	3								1.879**
7	4								1.384**
0.158	4								
8	5								-0.087
0.189	5								
9	f3_physatt4								
0.168	3								1.599**
10	4								1.527**
0.168	4								
11	5								0.666**
0.182	5								
12	f3_ee_cgrdp.f3_physatt4								
0.323	1.3								0.087
13	1.4								0.603
0.324	1.4								
14	1.5								1.037**
0.342	1.5								
15	m3_ee_cgrdp.m3_physatt4								
0.386	1.3								0.668
16	1.4								1.108**
0.391	1.4								
17	1.5								1.585**
0.424	1.5								
18	_cons								0.108
0.206	_cons								
19	lnalpha								
0.779	_cons								-3.937**

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,19]

```

program4--table 7.log
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

count:      count:      count:      count:      lnalpha:
count:      _x_15     _x_16     _x_17     _cons     _cons
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

```

-----
nr Effect      Coeff
s.e.
-----
count
edu_endog
1 1 1.504**
0.104
physatt_endog
2 1 0.663**
0.099
exchange
3 1 0.133
0.270
exchange_trad
4 1 0.081
0.388
f3_ee_cgrdp

```

program4--table 7.log

```

5      1                                -0.812**
0.312  m3_ee_cgrdp
6      1                                -1.970**
0.377  m3_physatt4
7      3                                1.879**
0.154  4
8      4                                1.387**
0.158  5
9      5                                -0.082
0.190  f3_physatt4
10     3                                1.600**
0.168  4
11     4                                1.525**
0.169  5
12     5                                0.662**
0.183  f3_ee_cgrdp.f3_physatt4
13     1.3                              0.078
0.325  1.4
14     1.4                              0.592
0.328  1.5
15     1.5                              1.027**
0.345  m3_ee_cgrdp.m3_physatt4
16     1.3                              0.673
0.387  1.4
17     1.4                              1.114**
0.392  1.5
18     1.5                              1.591**
0.425  _cons
19     _cons                            0.105
0.207  lnalpha
20     _cons                            -3.947**
0.782

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=obs used in calculating BIC; see [R] BIC note

b2[1,20]

```

count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5040866  .66345064  .13267866  .0807587  -.81209141  -1.969907
1.8792987

```

```

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13

```

program4--table 7.log

\_x\_14  
y1 1.3866105 -.08208339 1.5997374 1.5249044 .66171603 .07781888  
.59160489

count: count: count: count: count: lnalpha:  
\_x\_15 \_x\_16 \_x\_17 \_x\_18 \_cons \_cons  
y1 1.026613 .67253003 1.1144388 1.590696 .10493228 -3.9466623

Contains data from ...\\temp\_mim.dta  
obs: 64  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 5,632  
2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564

program4--table 7.log

se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
-----					
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
-----					
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	3	0	3	3

(63 observations deleted)

file ...\\temp3.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(15070 observations deleted)

imputation is 4

tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
-----			
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or |

More	Freq.	Percent	Cum.
0	1,174	77.90	77.90
1	333	22.10	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of 2	RECODE of 3	RECODE of 4	RECODE of 5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	0	.375	0
1	.375	0	0

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of 2	RECODE of 3	RECODE of 4	RECODE of 5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)

(6 real changes made)

Clg Grad or More	Clg Grad or More 0	1
0	0	0
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.415  
LR chi square:  
2967.409  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	1 0.085	1.498**
2	physatt_endog	1 0.058	0.536**

program4--table 7.log

```

exchange
3      1                                0.095
0.175
   f3_ee_cgrdp
4      1                                -0.808**
0.279
   m3_ee_cgrdp
5      1                                -1.807**
0.342
   m3_physatt4
6      3                                1.956**
0.124
7      4                                1.429**
0.129
8      5                                -0.020
0.163
   f3_physatt4
9      3                                1.648**
0.132
10     4                                1.604**
0.131
11     5                                0.711**
0.146
   f3_ee_cgrdp.f3_physatt4
12     1.3                              0.089
0.292
13     1.4                              0.578*
0.292
14     1.5                              0.989**
0.310
   m3_ee_cgrdp.m3_physatt4
15     1.3                              0.517
0.350
16     1.4                              1.018**
0.353
17     1.5                              1.429**
0.389
18     _cons                             0.042
0.177

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

```

-----
Model | Obs   ll(null)  ll(model)  df      AIC      BIC
-----+-----
. |    64 -1650.119 -166.4146  18     368.8292  407.6891
-----

```

Note: N=Obs used in calculating BIC; see [R] BIC note  
poisson, with gender-stereotypical exchange term

-----  
Poisson regression  
-----

-----  
Dependent variable  
count  
Optimization:  
ml  
Number of observations:



program4--table 7.log

64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.390  
 LR chi square:  
 2967.459  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

-----			
nr	Effect		Coeff
	s.e.		
-----			
	count		
	edu_endog		
1	1		1.501**
0.086			
	physatt_endog		
2	1		0.536**
0.058			
	exchange		
3	1		0.059
0.239			
	exchange_trad		
4	1		0.078
0.351			
	f3_ee_cgrdp		
5	1		-0.790**
0.291			
	m3_ee_cgrdp		
6	1		-1.822**
0.349			
	m3_physatt4		
7	3		1.957**
0.124			
8	4		1.430**
0.129			
9	5		-0.017
0.164			
	f3_physatt4		
10	3		1.648**
0.132			
11	4		1.603**
0.131			
12	5		0.708**
0.147			
	f3_ee_cgrdp.f3_physatt4		
13	1.3		0.081
0.295			
14	1.4		0.567
0.296			
15	1.5		0.979**
0.313			
	m3_ee_cgrdp.m3_physatt4		
16	1.3		0.521
0.351			
17	1.4		1.025**

program4--table 7.log

```

0.355
18      1.5                                1.436**
0.390
19      _cons                               0.039
0.178

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.3898	19	370.7795	411.7983

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

```

-----
Dependent variable:
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.521
LR chi square:
185.986
Model degrees of freedom:
17
Pseudo R-squared:
0.361
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count		
	edu_endog	1	1.509**
2	physatt_endog	1	0.666**
3	exchange	1	0.171
4	f3_ee_cgrdp	1	-0.836**

program4--table 7.log

5	m3_ee_cgrdp		
0.354	1		-1.833**
	m3_physatt4		
6	3		1.896**
0.154			
7	4		1.401**
0.158			
8	5		-0.071
0.189			
	f3_physatt4		
9	3		1.598**
0.168			
10	4		1.526**
0.169			
11	5		0.665**
0.182			
	f3_ee_cgrdp.f3_physatt4		
12	1.3		0.089
0.323			
13	1.4		0.605
0.324			
14	1.5		1.039**
0.342			
	m3_ee_cgrdp.m3_physatt4		
15	1.3		0.548
0.372			
16	1.4		0.987**
0.376			
17	1.5		1.465**
0.411			
18	_cons		0.087
0.207			
	lnalpha		
19	_cons		-3.933**
0.778			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.5213	19	367.0425	408.0613

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,19]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7	1.5089341	.66558422	.17136362	-.83583387	-1.8330504	1.8960085
1.4005673						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14	-.07120302	1.598024	1.5258182	.66453678	.0889413	.60471779
y1						

program4--table 7.log

1.0394635

```

count:      count:      count:      count:      lnalpha:
  _x_15      _x_16      _x_17      _cons      _cons
y1  .54756917 .98708616 1.4648998 .08650029 -3.9325037
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

Dependent variable
count
Optimization:
m1
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.510
LR chi square:
186.008
Model degrees of freedom:
18
Pseudo R-squared:
0.361
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.104	1.511**
2	physatt_endog	0.099	0.665**
3	exchange	0.271	0.144
4	exchange_trad	0.389	0.058
5	f3_ee_cgrdp	0.312	-0.821**
6	m3_ee_cgrdp	0.362	-1.844**
7	m3_physatt4	0.154	1.896**
8		0.159	1.403**
9		0.190	-0.067

program4--table 7.log

10	f3_physatt4	3	1.599**
0.168			
11		4	1.524**
0.169			
12		5	0.662**
0.183			
13	f3_ee_cgrdp.f3_physatt4	1.3	0.082
0.326			
14		1.4	0.597
0.328			
15		1.5	1.032**
0.345			
16	m3_ee_cgrdp.m3_physatt4	1.3	0.551
0.372			
17		1.4	0.992**
0.378			
18		1.5	1.469**
0.412			
19	_cons		0.084
0.207			
20	lnalpha		-3.940**
0.781	_cons		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.5103	20	369.0206	412.1982

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,20]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5108725	.66498424	.14440208	.05761332	-.82144591	-1.8441806
1.8962561						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	1.4026013	-.06743787	1.5986689	1.5243022	.66151527	.08222351
.59690124						
count:	count:	count:	count:	count:	lnalpha:	
count:	_x_15	_x_16	_x_17	_x_18	_cons	_cons
y1	1.0319132	.5507651	.99197219	1.4691689	.08437122	-3.9395259

Contains data from ...\\temp\_mim.dta  
 obs: 64  
 Adolescent

National Longitudinal Study of  
 Health (Add Health), 1994-2008: wave

program4--table 7.log

I

vars: 22  
size: 5,632

2 Sep 2014 16:33

---



---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:

Note: dataset has changed since last saved

variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.508934	0	1.508934	1.508934
v1_1	64	.0107273	0	.0107273	.0107273
se1_1	64	.1035725	0	.1035725	.1035725
b1_2	64	.6655842	0	.6655842	.6655842
v1_2	64	.0098005	0	.0098005	.0098005
se1_2	64	.0989976	0	.0989976	.0989976
b1_3	64	.1713636	0	.1713636	.1713636
v1_3	64	.0401057	0	.0401057	.0401057
se1_3	64	.2002642	0	.2002642	.2002642
b2_1	64	1.510872	0	1.510872	1.510872
v2_1	64	.0108957	0	.0108957	.0108957
se2_1	64	.1043826	0	.1043826	.1043826
b2_2	64	.6649842	0	.6649842	.6649842
v2_2	64	.0098101	0	.0098101	.0098101
se2_2	64	.0990458	0	.0990458	.0990458
b2_3	64	.1444021	0	.1444021	.1444021
v2_3	64	.0733384	0	.0733384	.0733384
se2_3	64	.2708106	0	.2708106	.2708106
b2_4	64	.0576133	0	.0576133	.0576133
v2_4	64	.1511219	0	.1511219	.1511219
se2_4	64	.388744	0	.388744	.388744

mj | 64  
 (63 observations deleted)  
 file ...\\temp4.dta saved  
 (National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
 (15070 observations deleted)  
 imputation is 5  
 tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
 (32 real changes made)

-----  
 Clg Grad | Clg Grad or  
 | More

or More		0	1
0		1	0
1		0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	.375
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0



program4--table 7.log

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.085	1.493**
2	physatt_endog	0.058	0.536**
3	exchange	0.175	0.096
4	f3_ee_cgrdp	0.279	-0.806**
5	m3_ee_cgrdp	0.358	-1.927**
6	m3_physatt4	0.123	1.943**

program4--table 7.log

```

7      4      1.415**
0.128
8      5      -0.034
0.162
      f3_physatt4
9      3      1.648**
0.132
10     4      1.605**
0.131
11     5      0.711**
0.146
      f3_ee_cgrdp.f3_physatt4
12     1.3    0.087
0.292
13     1.4    0.576*
0.292
14     1.5    0.988**
0.310
      m3_ee_cgrdp.m3_physatt4
15     1.3    0.635
0.366
16     1.4    1.137**
0.368
17     1.5    1.548**
0.403
18     _cons  0.059
0.176

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
poisson, with gender-stereotypical exchange term

-----  
Poisson regression  
-----

```

-----
Dependent variable:
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-1650.119
Log likelihood:
-166.006
LR chi square:
2968.226
Model degrees of freedom:
18
Pseudo R-squared:
0.899
Prob:

```

program4--table 7.log

0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.086	1.497**
2	physatt_endog	0.058	0.536**
3	exchange	0.239	0.051
4	exchange_trad	0.351	0.097
5	f3_ee_cgrdp	0.291	-0.783**
6	m3_ee_cgrdp	0.364	-1.946**
7	m3_physatt4	0.123	1.943**
8		0.129	1.417**
9		0.163	-0.029
10	f3_physatt4	0.132	1.649**
11		0.131	1.603**
12		0.147	0.708**
13	f3_ee_cgrdp.f3_physatt4	0.295	0.077
14		0.296	0.563
15		0.313	0.975**
16	m3_ee_cgrdp.m3_physatt4	0.366	0.641
17		0.370	1.146**
18		0.404	1.556**
19	_cons	0.177	0.055

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

program4--table 7.log

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -257.514  
 Log likelihood:  
 -164.157  
 LR chi square:  
 186.714  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.501**
2	physatt_endog	1	0.664**
3	exchange	1	0.170
4	f3_ee_cgrdp	1	-0.832**
5	m3_ee_cgrdp	1	-1.954**
6	m3_physatt4	3	1.879**
7		4	1.384**
8		5	-0.087
9	f3_physatt4	3	1.599**

program4--table 7.log

```

0.168
10      4                                1.527**
0.168
11      5                                0.666**
0.182
      f3_ee_cgrdp.f3_physatt4
12      1.3                              0.087
0.323
13      1.4                              0.603
0.324
14      1.5                              1.037**
0.342
      m3_ee_cgrdp.m3_physatt4
15      1.3                              0.668
0.386
16      1.4                              1.108**
0.391
17      1.5                              1.585**
0.424
18      _cons                            0.108
0.206
      lnalpha
19      _cons                            -3.937**
0.779

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,19]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

count:      count:      count:      count:      lnalpha:
count:      _x_15     _x_16     _x_17     _cons     _cons
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

Dependent variable

program4--table 7.log

```

count
  Optimization:
  ml
  Number of observations:
  64
  Initial log likelihood:
-257.514
  Log likelihood:
-164.136
  LR chi square:
186.757
  Model degrees of freedom:
  18
  Pseudo R-squared:
0.363
  Dispersion:
  mean
  Prob:
0.000

```

-----			
nr	Effect		Coeff
s.e.			
-----			
	count		
	edu_endog		
1	1		1.504**
0.104			
	physatt_endog		
2	1		0.663**
0.099			
	exchange		
3	1		0.133
0.270			
	exchange_trad		
4	1		0.081
0.388			
	f3_ee_cgrdp		
5	1		-0.812**
0.312			
	m3_ee_cgrdp		
6	1		-1.970**
0.377			
	m3_physatt4		
7	3		1.879**
0.154			
8	4		1.387**
0.158			
9	5		-0.082
0.190			
	f3_physatt4		
10	3		1.600**
0.168			
11	4		1.525**
0.169			
12	5		0.662**
0.183			
	f3_ee_cgrdp.f3_physatt4		
13	1.3		0.078
0.325			
14	1.4		0.592
0.328			

```

15      1.5                                1.027**
0.345
      m3_ee_cgrdp.m3_physatt4
16      1.3                                0.673
0.387
17      1.4                                1.114**
0.392
18      1.5                                1.591**
0.425
19      _cons                                0.105
0.207
      lnalpha
20      _cons                                -3.947**
0.782

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,20]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5040866  .66345064  .13267866  .0807587  -.81209141  -1.969907
1.8792987

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  1.3866105  -.08208339  1.5997374  1.5249044  .66171603  .07781888
.59160489

count:      count:      count:      count:      count:      lnalpha:
count:      _x_15     _x_16     _x_17     _x_18     _cons     _cons
y1  1.026613   .67253003  1.1144388  1.590696  .10493228  -3.9466623

```

Contains data from ...\\temp\_mim.dta  
obs: 64  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 5,632  
2 Sep 2014 16:33

```

-----
variable name  storage  display  value  variable label
               type    format   label
-----
b1_1           float    %9.0g
v1_1           float    %9.0g
se1_1          float    %9.0g

```

program4--table 7.log

```

b1_2      float    %9.0g
v1_2      float    %9.0g
se1_2     float    %9.0g
b1_3      float    %9.0g
v1_3      float    %9.0g
se1_3     float    %9.0g
b2_1      float    %9.0g
v2_1      float    %9.0g
se2_1     float    %9.0g
b2_2      float    %9.0g
v2_2      float    %9.0g
se2_2     float    %9.0g
b2_3      float    %9.0g
v2_3      float    %9.0g
se2_3     float    %9.0g
b2_4      float    %9.0g
v2_4      float    %9.0g
se2_4     float    %9.0g
mj        float    %9.0g

```

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	5	0	5	5

(63 observations deleted)  
 file ... \temp5.dta saved  
 (National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)  
 (15070 observations deleted)  
 imputation is 6  
 tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
-------------------------	-------	---------	------



program4--table 7.log

2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of  
m3\_physat  
t (w3 -

program4--table 7.log

Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	.375
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25

5 | 0 0 0 0

-----  
 poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)  
 -----

Poisson regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.044  
 LR chi square:  
 2968.150  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000  
 -----

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.085	1.493**
2	physatt_endog	0.058	0.536**
3	exchange	0.175	0.096
4	f3_ee_cgrdp	0.279	-0.806**
5	m3_ee_cgrdp	0.358	-1.927**
6	m3_physatt4	0.123	1.943**
7		0.128	1.415**
8		0.162	-0.034
9	f3_physatt4	0.132	1.648**
10		0.131	1.605**
11		0.146	0.711**
	f3_ee_cgrdp.f3_physatt4		

program4--table 7.log

12	1.3		0.087
0.292			
13	1.4		0.576*
0.292			
14	1.5		0.988**
0.310			
	m3_ee_cgrdp.m3_physatt4		
15	1.3		0.635
0.366			
16	1.4		1.137**
0.368			
17	1.5		1.548**
0.403			
18	_cons		0.059
0.176			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

-----  
 Poisson regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

-----  
 nr Effect  
 s.e. Coeff

	count		
	edu_endog		
1	1		1.497**
0.086			
	physatt_endog		

program4--table 7.log

2	1		0.536**
0.058		exchange	
3	1		0.051
0.239		exchange_trad	
4	1		0.097
0.351		f3_ee_cgrdp	
5	1		-0.783**
0.291		m3_ee_cgrdp	
6	1		-1.946**
0.364		m3_physatt4	
7	3		1.943**
0.123			
8	4		1.417**
0.129			
9	5		-0.029
0.163		f3_physatt4	
10	3		1.649**
0.132			
11	4		1.603**
0.131			
12	5		0.708**
0.147		f3_ee_cgrdp.f3_physatt4	
13	1.3		0.077
0.295			
14	1.4		0.563
0.296			
15	1.5		0.975**
0.313		m3_ee_cgrdp.m3_physatt4	
16	1.3		0.641
0.366			
17	1.4		1.146**
0.370			
18	1.5		1.556**
0.404			
19	_cons		0.055
0.177			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
 Negative binomial regression  
 -----

program4--table 7.log

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -257.514  
 Log likelihood:  
 -164.157  
 LR chi square:  
 186.714  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.501**
2	physatt_endog	1	0.664**
3	exchange	1	0.170
4	f3_ee_cgrdp	1	-0.832**
5	m3_ee_cgrdp	1	-1.954**
6	m3_physatt4	3	1.879**
7		4	1.384**
8		5	-0.087
9	f3_physatt4	3	1.599**
10		4	1.527**
11		5	0.666**
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
13		1.4	0.603
14		1.5	1.037**

program4--table 7.log

```

m3_ee_cgrdp.m3_physatt4
15      1.3      0.668
0.386
16      1.4      1.108**
0.391
17      1.5      1.585**
0.424
18      _cons    0.108
0.206
      lnalpha
19      _cons    -3.937**
0.779

```

```

* p < .05
** p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,19]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

count:      count:      count:      count:      lnalpha:
_x_15     _x_16     _x_17     _cons     _cons
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term

```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:

```

program4--table 7.log

18  
Pseudo R-squared:  
0.363  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.504**
0.104			
2	physatt_endog	1	0.663**
0.099			
3	exchange	1	0.133
0.270			
4	exchange_trad	1	0.081
0.388			
5	f3_ee_cgrdp	1	-0.812**
0.312			
6	m3_ee_cgrdp	1	-1.970**
0.377			
7	m3_physatt4	3	1.879**
0.154			
8		4	1.387**
0.158			
9		5	-0.082
0.190			
10	f3_physatt4	3	1.600**
0.168			
11		4	1.525**
0.169			
12		5	0.662**
0.183			
13	f3_ee_cgrdp.f3_physatt4	1.3	0.078
0.325			
14		1.4	0.592
0.328			
15		1.5	1.027**
0.345			
16	m3_ee_cgrdp.m3_physatt4	1.3	0.673
0.387			
17		1.4	1.114**
0.392			
18		1.5	1.591**
0.425			
19	_cons		0.105
0.207			
	lnalpha		



20 \_cons  
0.782

-3.947\*\*

\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,20]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	1.5040866	.66345064	.13267866	.0807587	-.81209141	-1.969907
	1.8792987					

count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	1.3866105	-.08208339	1.5997374	1.5249044	.66171603	.07781888
	.59160489					

count:	count:	count:	count:	count:	count:	lnalpha:
_x_15	_x_16	_x_17	_x_18	_cons	_cons	
y1	1.026613	.67253003	1.1144388	1.590696	.10493228	-3.9466623

Contains data from ... \temp\_mim.dta

obs: 64  
Adolescent

National Longitudinal study of  
Health (Add Health), 1994-2008: wave

I

vars: 22  
size: 5,632

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
---------------	--------------	----------------	-------------	----------------

b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		

program4--table 7.log

```

b2_3      float    %9.0g
v2_3      float    %9.0g
se2_3     float    %9.0g
b2_4      float    %9.0g
v2_4      float    %9.0g
se2_4     float    %9.0g
mj        float    %9.0g
    
```

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	6	0	6	6

(63 observations deleted)  
 file ... \temp6.dta saved  
 (National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
 (15070 observations deleted)  
 imputation is 7  
 tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

```

RECODE of |
m3_physatt |
    
```

program4--table 7.log

(w3 - Interviewer-rated physical attractiveness)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange

(12 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	.375
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml

program4--table 7.log

Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

---

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.493**
2	physatt_endog	1	0.536**
3	exchange	1	0.096
4	f3_ee_cgrdp	1	-0.806**
5	m3_ee_cgrdp	1	-1.927**
6	m3_physatt4	3	1.943**
7		4	1.415**
8		5	-0.034
9	f3_physatt4	3	1.648**
10		4	1.605**
11		5	0.711**
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
13		1.4	0.576*
14		1.5	0.988**
15	m3_ee_cgrdp.m3_physatt4	1.3	0.635
16		1.4	1.137**
17		1.5	1.548**

0.403  
 18 \_cons 0.059  
 0.176

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

Poisson regression

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.086	1.497**
2	physatt_endog	0.058	0.536**
3	exchange	0.239	0.051
4	exchange_trad	0.351	0.097
5	f3_ee_cgrdp	0.291	-0.783**
	m3_ee_cgrdp		

```

6      1                                -1.946**
0.364  m3_physatt4
7      3                                1.943**
0.123
8      4                                1.417**
0.129
9      5                                -0.029
0.163  f3_physatt4
10     3                                1.649**
0.132
11     4                                1.603**
0.131
12     5                                0.708**
0.147  f3_ee_cgrdp.f3_physatt4
13     1.3                              0.077
0.295
14     1.4                              0.563
0.296
15     1.5                              0.975**
0.313  m3_ee_cgrdp.m3_physatt4
16     1.3                              0.641
0.366
17     1.4                              1.146**
0.370
18     1.5                              1.556**
0.404
19     _cons                            0.055
0.177

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
Negative binomial regression  
-----

```

Dependent variable
count
Optimization:
m1
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.157
LR chi square:
186.714

```

program4--table 7.log

Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.501**
2	physatt_endog	1	0.664**
3	exchange	1	0.170
4	f3_ee_cgrdp	1	-0.832**
5	m3_ee_cgrdp	1	-1.954**
6	m3_physatt4	3	1.879**
7		4	1.384**
8		5	-0.087
9	f3_physatt4	3	1.599**
10		4	1.527**
11		5	0.666**
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
13		1.4	0.603
14		1.5	1.037**
15	m3_ee_cgrdp.m3_physatt4	1.3	0.668
16		1.4	1.108**
17		1.5	1.585**
18	_cons		0.108
19	lnalpha _cons		-3.937**



\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,19]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

count:      count:      count:      count:      lnalpha:
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term
  
```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000
  
```

nr	Effect	Coeff
	s.e.	

program4--table 7.log

```

-----
      count
      edu_endog
1      1      1.504**
0.104
      physatt_endog
2      1      0.663**
0.099
      exchange
3      1      0.133
0.270
      exchange_trad
4      1      0.081
0.388
      f3_ee_cgrdp
5      1      -0.812**
0.312
      m3_ee_cgrdp
6      1      -1.970**
0.377
      m3_physatt4
7      3      1.879**
0.154
8      4      1.387**
0.158
9      5      -0.082
0.190
      f3_physatt4
10     3      1.600**
0.168
11     4      1.525**
0.169
12     5      0.662**
0.183
      f3_ee_cgrdp.f3_physatt4
13     1.3    0.078
0.325
14     1.4    0.592
0.328
15     1.5    1.027**
0.345
      m3_ee_cgrdp.m3_physatt4
16     1.3    0.673
0.387
17     1.4    1.114**
0.392
18     1.5    1.591**
0.425
19     _cons  0.105
0.207
      lnalpha
20     _cons -3.947**
0.782
-----

```

\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

```

-----
      Model | Obs  ll(null)  ll(model)  df      AIC      BIC
-----+-----

```

program4--table 7.log  
 . | 64 -257.5145 -164.1358 20 368.2716 411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,20]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5040866  .66345064  .13267866  .0807587  -.81209141  -1.969907
1.8792987

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  1.3866105  -.08208339  1.5997374  1.5249044  .66171603  .07781888
.59160489

count:      count:      count:      count:      count:      count:      lnalpha:
count:      _x_15     _x_16     _x_17     _x_18     _cons     _cons
y1  1.026613   .67253003  1.1144388  1.590696  .10493228  -3.9466623
  
```

Contains data from ...\\temp\_mim.dta

obs: 64  
 Adolescent

National Longitudinal study of  
 Health (Add Health), 1994-2008: wave

I  
 vars: 22  
 size: 5,632

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:

Note: dataset has changed since last saved

program4--table 7.log						
Variable	Obs	Mean	Std. Dev.	Min	Max	
b1_1	64	1.501345	0	1.501345	1.501345	
v1_1	64	.0106843	0	.0106843	.0106843	
se1_1	64	.1033651	0	.1033651	.1033651	
b1_2	64	.6642442	0	.6642442	.6642442	
v1_2	64	.0097194	0	.0097194	.0097194	
se1_2	64	.0985868	0	.0985868	.0985868	
b1_3	64	.1703256	0	.1703256	.1703256	
v1_3	64	.0400251	0	.0400251	.0400251	
se1_3	64	.2000627	0	.2000627	.2000627	
b2_1	64	1.504087	0	1.504087	1.504087	
v2_1	64	.0108564	0	.0108564	.0108564	
se2_1	64	.104194	0	.104194	.104194	
b2_2	64	.6634507	0	.6634507	.6634507	
v2_2	64	.0097254	0	.0097254	.0097254	
se2_2	64	.0986175	0	.0986175	.0986175	
b2_3	64	.1326787	0	.1326787	.1326787	
v2_3	64	.0730245	0	.0730245	.0730245	
se2_3	64	.2702305	0	.2702305	.2702305	
b2_4	64	.0807587	0	.0807587	.0807587	
v2_4	64	.1509283	0	.1509283	.1509283	
se2_4	64	.3884949	0	.3884949	.3884949	
mj	64	7	0	7	7	

(63 observations deleted)

file ... \temp7.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
 (15070 observations deleted)

imputation is 8

tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00

Total | 1,507

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

Clg Grad or More	Clg Grad or More	0	1
0	0	.375	0
1	.375	0	0

program4--table 7.log

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	
	0	1
0	0	0
1	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899

program4--table 7.log

Prob:  
0.000

---

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.493**
0.085			
2	physatt_endog	1	0.536**
0.058			
3	exchange	1	0.096
0.175			
4	f3_ee_cgrdp	1	-0.806**
0.279			
5	m3_ee_cgrdp	1	-1.927**
0.358			
6	m3_physatt4	3	1.943**
0.123			
7		4	1.415**
0.128			
8		5	-0.034
0.162			
9	f3_physatt4	3	1.648**
0.132			
10		4	1.605**
0.131			
11		5	0.711**
0.146			
12	f3_ee_cgrdp.f3_physatt4	1.3	0.087
0.292			
13		1.4	0.576*
0.292			
14		1.5	0.988**
0.310			
15	m3_ee_cgrdp.m3_physatt4	1.3	0.635
0.366			
16		1.4	1.137**
0.368			
17		1.5	1.548**
0.403			
18	_cons		0.059
0.176			

---

\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

---

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
-------	-----	----------	-----------	----	-----	-----

---

program4--table 7.log

```
-----+-----
. |      64  -1650.119  -166.044  18  368.088  406.9479
-----+-----
```

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

-----  
 Poisson regression  
 -----

```
-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-1650.119
Log likelihood:
-166.006
LR chi square:
2968.226
Model degrees of freedom:
18
Pseudo R-squared:
0.899
Prob:
0.000
-----
```

nr Effect		Coeff
s.e.		
-----		
count		
1	edu_endog	1.497**
0.086	1	
2	physatt_endog	0.536**
0.058	1	
3	exchange	0.051
0.239	1	
4	exchange_trad	0.097
0.351	1	
5	f3_ee_cgrdp	-0.783**
0.291	1	
6	m3_ee_cgrdp	-1.946**
0.364	1	
7	m3_physatt4	1.943**
0.123	3	
8		1.417**
0.129	4	
9		-0.029
0.163	5	
10	f3_physatt4	1.649**
0.132	3	



```

11      4                                1.603**
0.131
12      5                                0.708**
0.147
      f3_ee_cgrdp.f3_physatt4
13      1.3                              0.077
0.295
14      1.4                              0.563
0.296
15      1.5                              0.975**
0.313
      m3_ee_cgrdp.m3_physatt4
16      1.3                              0.641
0.366
17      1.4                              1.146**
0.370
18      1.5                              1.556**
0.404
19      _cons                             0.055
0.177

```

-----  
\* p < .05  
\*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

-----  
Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.157
LR chi square:
186.714
Model degrees of freedom:
17
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

-----  
nr Effect Coeff  
s.e.

program4--table 7.log

```

-----
      count
      edu_endog
1      1      1.501**
0.103
      physatt_endog
2      1      0.664**
0.099
      exchange
3      1      0.170
0.200
      f3_ee_cgrdp
4      1      -0.832**
0.297
      m3_ee_cgrdp
5      1      -1.954**
0.370
      m3_physatt4
6      3      1.879**
0.154
7      4      1.384**
0.158
8      5      -0.087
0.189
      f3_physatt4
9      3      1.599**
0.168
10     4      1.527**
0.168
11     5      0.666**
0.182
      f3_ee_cgrdp.f3_physatt4
12     1.3    0.087
0.323
13     1.4    0.603
0.324
14     1.5    1.037**
0.342
      m3_ee_cgrdp.m3_physatt4
15     1.3    0.668
0.386
16     1.4    1.108**
0.391
17     1.5    1.585**
0.424
18     _cons  0.108
0.206
      lnalpha
19     _cons -3.937**
0.779
-----

```

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

```

-----
      Model |      Obs      ll(null)      ll(model)      df      AIC      BIC
-----+-----
      . |      64     -257.5145     -164.1574      19     366.3147     407.3335
-----

```

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,19]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5013445  .66424416  .17032559  -.83222023  -1.9542453  1.8789154
1.3837296

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.08737574  1.598827  1.5270383  .66597984  .08725489  .60257408
1.0371731

count:      count:      count:      count:      lnalpha:
_x_15      _x_16      _x_17      _cons      _cons
y1  .66801256  1.1075304  1.5846064  .10796512  -3.9373283
nbreg, with gender-stereotypical exchange term
    
```

-----  
 Negative binomial regression  
 -----

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000
    
```

-----

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	0.104	1.504**
2	physatt_endog	0.099	0.663**
3	exchange	0.270	0.133
	exchange_trad		

-----

program4--table 7.log

4	1		0.081
0.388		f3_ee_cgrdp	
5	1		-0.812**
0.312		m3_ee_cgrdp	
6	1		-1.970**
0.377		m3_physatt4	
7	3		1.879**
0.154			
8	4		1.387**
0.158			
9	5		-0.082
0.190		f3_physatt4	
10	3		1.600**
0.168			
11	4		1.525**
0.169			
12	5		0.662**
0.183		f3_ee_cgrdp.f3_physatt4	
13	1.3		0.078
0.325			
14	1.4		0.592
0.328			
15	1.5		1.027**
0.345		m3_ee_cgrdp.m3_physatt4	
16	1.3		0.673
0.387			
17	1.4		1.114**
0.392			
18	1.5		1.591**
0.425			
19	_cons		0.105
0.207		lnalpha	
20	_cons		-3.947**
0.782			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,20]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5040866	.66345064	.13267866	.0807587	-.81209141	-1.969907
	1.8792987					

```

count:          count:          count:          program4--table 7.log
count:          count:          count:          count:          count:          count:          count:
count:          _x_8            _x_9            _x_10           _x_11           _x_12           _x_13
_x_14
y1  1.3866105  -.08208339  1.5997374  1.5249044  .66171603  .07781888
.59160489

```

```

count:          count:          count:          count:          count:          lnalpha:
_x_15          _x_16          _x_17          _x_18          _cons          _cons
y1  1.026613   .67253003   1.1144388   1.590696   .10493228  -3.9466623

```

Contains data from ... \temp\_mim.dta

obs: 64  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 5,632

2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627

program4--table 7.log

Variable	Freq.	Percent	0	1	2
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	8	0	8	8

(63 observations deleted)

file ... \temp8.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(15070 observations deleted)

imputation is 9

tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

C1g Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog  
(32 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

C1g Grad or More	C1g Grad or More	0	1
0	0	.375	
1	.375		0

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25

5 | .25 .25 .25 0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

Clg Grad or More	Clg Grad or More	or 1
0	0	0
1	.375	0

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.25	.25	.25
3	0	0	.25	.25
4	0	0	0	.25
5	0	0	0	0

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
64  
Initial log likelihood:  
-1650.119  
Log likelihood:  
-166.044  
LR chi square:  
2968.150  
Model degrees of freedom:  
17  
Pseudo R-squared:  
0.899  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	edu_endog	0.085	1.493**



program4--table 7.log

2	physatt_endog				
0.058	1				0.536**
	exchange				
3	1				0.096
0.175					
	f3_ee_cgrdp				
4	1				-0.806**
0.279					
	m3_ee_cgrdp				
5	1				-1.927**
0.358					
	m3_physatt4				
6	3				1.943**
0.123					
7	4				1.415**
0.128					
8	5				-0.034
0.162					
	f3_physatt4				
9	3				1.648**
0.132					
10	4				1.605**
0.131					
11	5				0.711**
0.146					
	f3_ee_cgrdp.f3_physatt4				
12	1.3				0.087
0.292					
13	1.4				0.576*
0.292					
14	1.5				0.988**
0.310					
	m3_ee_cgrdp.m3_physatt4				
15	1.3				0.635
0.366					
16	1.4				1.137**
0.368					
17	1.5				1.548**
0.403					
18	_cons				0.059
0.176					

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

-----  
 Poisson regression

-----  
 Dependent variable  
 count

program4--table 7.log

Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18  
 Pseudo R-squared:  
 0.899  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	1	1.497**
0.086			
2	physatt_endog	1	0.536**
0.058			
3	exchange	1	0.051
0.239			
4	exchange_trad	1	0.097
0.351			
5	f3_ee_cgrdp	1	-0.783**
0.291			
6	m3_ee_cgrdp	1	-1.946**
0.364			
7	m3_physatt4	3	1.943**
0.123			
8		4	1.417**
0.129			
9		5	-0.029
0.163			
10	f3_physatt4	3	1.649**
0.132			
11		4	1.603**
0.131			
12		5	0.708**
0.147			
13	f3_ee_cgrdp.f3_physatt4	1.3	0.077
0.295			
14		1.4	0.563
0.296			
15		1.5	0.975**
0.313			
	m3_ee_cgrdp.m3_physatt4		

```

16      1.3      0.641
0.366
17      1.4      1.146**
0.370
18      1.5      1.556**
0.404
19      _cons    0.055
0.177

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

```

-----
Dependent variable:
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.157
LR chi square:
186.714
Model degrees of freedom:
17
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count edu_endog	1	1.501**
2	physatt_endog	1	0.664**
3	exchange	1	0.170

program4--table 7.log

4	f3_ee_cgrdp					
0.297	1					-0.832**
5	m3_ee_cgrdp					
0.370	1					-1.954**
6	m3_physatt4					
0.154	3					1.879**
7	4					1.384**
0.158	5					-0.087
0.189						
9	f3_physatt4					
0.168	3					1.599**
10	4					1.527**
0.168	5					0.666**
0.182						
12	f3_ee_cgrdp.f3_physatt4					
0.323	1.3					0.087
13	1.4					0.603
0.324	1.5					1.037**
0.342						
15	m3_ee_cgrdp.m3_physatt4					
0.386	1.3					0.668
16	1.4					1.108**
0.391	1.5					1.585**
0.424						
18	_cons					0.108
0.206						
19	lnalpha					
0.779	_cons					-3.937**

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

	Model	Obs	ll(null)	ll(model)	df	AIC	BIC
	.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,19]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5013445	.66424416	.17032559	-.83222023	-1.9542453	1.8789154
1.3837296						
count:	count:	count:	count:	count:	count:	count:

```

program4--table 7.log
_x_14      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
y1  -.08737574    1.598827    1.5270383    .66597984    .08725489    .60257408
1.0371731

```

```

count:      count:      count:      count:      lnalpha:
_x_15      _x_16      _x_17      _cons      _cons
y1  .66801256    1.1075304    1.5846064    .10796512    -3.9373283
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.104	1.504**
2	physatt_endog	0.099	0.663**
3	exchange	0.270	0.133
4	exchange_trad	0.388	0.081
5	f3_ee_cgrdp	0.312	-0.812**
6	m3_ee_cgrdp	0.377	-1.970**
7	m3_physatt4	0.154	1.879**
8		0.154	1.387**

program4--table 7.log

0.158			
9	5		-0.082
0.190			
	f3_physatt4		
10	3		1.600**
0.168			
11	4		1.525**
0.169			
12	5		0.662**
0.183			
	f3_ee_cgrdp.f3_physatt4		
13	1.3		0.078
0.325			
14	1.4		0.592
0.328			
15	1.5		1.027**
0.345			
	m3_ee_cgrdp.m3_physatt4		
16	1.3		0.673
0.387			
17	1.4		1.114**
0.392			
18	1.5		1.591**
0.425			
19	_cons		0.105
0.207			
	lnalpha		
20	_cons		-3.947**
0.782			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,20]						
count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5040866	.66345064	.13267866	.0807587	-.81209141	-1.969907
1.8792987						
count:	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	1.3866105	-.08208339	1.5997374	1.5249044	.66171603	.07781888
.59160489						
count:	count:	count:	count:	count:	count:	lnalpha:
	_x_15	_x_16	_x_17	_x_18	_cons	_cons
y1	1.026613	.67253003	1.1144388	1.590696	.10493228	-3.9466623

Contains data from ...\\temp\_mim.dta

obs: 64  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 5,632

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587

```

                                program4--table 7.log
v2_4 |          64      .1509283          0      .1509283      .1509283
-----+-----
se2_4 |          64      .3884949          0      .3884949      .3884949
mj    |          64          9          0          9          9

```

(63 observations deleted)

file ...\\temp9.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 10

tab before contract

-> tabulation of f3\_physatt4

RECODE of f3_physatt	Freq.	Percent	Cum.
2	87	5.77	5.77
3	596	39.55	45.32
4	586	38.89	84.21
5	238	15.79	100.00
Total	1,507	100.00	

-> tabulation of m3\_physatt4

RECODE of m3_physatt (w3 - Interviewer -rated physical attractiven ess)	Freq.	Percent	Cum.
2	85	5.64	5.64
3	777	51.56	57.20
4	521	34.57	91.77
5	124	8.23	100.00
Total	1,507	100.00	

-> tabulation of f3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,097	72.79	72.79
1	410	27.21	100.00
Total	1,507	100.00	

-> tabulation of m3\_ee\_cgrdp

Clg Grad or More	Freq.	Percent	Cum.
0	1,175	77.97	77.97
1	332	22.03	100.00
Total	1,507	100.00	

edu\_endog

(32 real changes made)



program4--table 7.log

C1g Grad or More	C1g 0	Grad More 0	or 1
0	1	0	0
1	0	0	1

physatt\_endog  
(16 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of 2	3	f3_physatt 4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

exchange  
(12 real changes made)

C1g Grad or More	C1g 0	Grad More 0	or 1
0	0	.375	0
1	.375	0	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of 2	3	f3_physatt 4	5
2	0	.25	.25	.25
3	.25	0	.25	.25
4	.25	.25	0	.25
5	.25	.25	.25	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(6 real changes made)

C1g Grad or More	C1g 0	Grad More 0	or 1
0	0	0	0
1	.375	0	0

```

-----
RECODE of |
m3_physat |
t (w3 -   |
Interview |
er-rated  |
physical  |
attractiv |
eness)    |
          |
          | RECODE of f3_physatt
          |      2      3      4      5
-----+-----
          |
          | 2 | 0 | .25 | .25 | .25
          | 3 | 0 | 0   | .25 | .25
          | 4 | 0 | 0   | 0   | .25
          | 5 | 0 | 0   | 0   | 0
-----

```

poisson, without gender-stereotypical exchange term (only gender-symmetric exchange)

Poisson regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-1650.119
Log likelihood:
-166.044
LR chi square:
2968.150
Model degrees of freedom:
17
Pseudo R-squared:
0.899
Prob:
0.000
-----

```

```

-----
nr Effect                      Coeff
s.e.
-----
count
 1 edu_endog                    1.493**
0.085
 2 physatt_endog                0.536**
0.058
 3 exchange                     0.096
0.175
 4 f3_ee_cgrdp                 -0.806**
0.279
 5 m3_ee_cgrdp                 -1.927**
0.358
-----

```

program4--table 7.log

6	m3_physatt4		
0.123	3		1.943**
7	4		1.415**
0.128			
8	5		-0.034
0.162			
9	f3_physatt4		
0.132	3		1.648**
10	4		1.605**
0.131			
11	5		0.711**
0.146			
12	f3_ee_cgrdp.f3_physatt4		
0.292	1.3		0.087
13	1.4		0.576*
0.292			
14	1.5		0.988**
0.310			
15	m3_ee_cgrdp.m3_physatt4		
0.366	1.3		0.635
16	1.4		1.137**
0.368			
17	1.5		1.548**
0.403			
18	_cons		0.059
0.176			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.044	18	368.088	406.9479

Note: N=Obs used in calculating BIC; see [R] BIC note  
 poisson, with gender-stereotypical exchange term

-----  
 Poisson regression

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -1650.119  
 Log likelihood:  
 -166.006  
 LR chi square:  
 2968.226  
 Model degrees of freedom:  
 18

program4--table 7.log

Pseudo R-squared:  
0.899  
Prob:  
0.000

---

nr	Effect	s.e.	Coeff
<hr/>			
	count		
1	edu_endog	1	1.497**
0.086			
2	physatt_endog	1	0.536**
0.058			
3	exchange	1	0.051
0.239			
4	exchange_trad	1	0.097
0.351			
5	f3_ee_cgrdp	1	-0.783**
0.291			
6	m3_ee_cgrdp	1	-1.946**
0.364			
7	m3_physatt4	3	1.943**
0.123			
8		4	1.417**
0.129			
9		5	-0.029
0.163			
10	f3_physatt4	3	1.649**
0.132			
11		4	1.603**
0.131			
12		5	0.708**
0.147			
13	f3_ee_cgrdp.f3_physatt4	1.3	0.077
0.295			
14		1.4	0.563
0.296			
15		1.5	0.975**
0.313			
16	m3_ee_cgrdp.m3_physatt4	1.3	0.641
0.366			
17		1.4	1.146**
0.370			
18		1.5	1.556**
0.404			
19	_cons		0.055
0.177			

---

\* p < .05  
\*\* p < .01

program4--table 7.log

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-1650.119	-166.0059	19	370.0117	411.0305

Note: N=Obs used in calculating BIC; see [R] BIC note  
 nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 64  
 Initial log likelihood:  
 -257.514  
 Log likelihood:  
 -164.157  
 LR chi square:  
 186.714  
 Model degrees of freedom:  
 17  
 Pseudo R-squared:  
 0.363  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.103	1.501**
2	physatt_endog	0.099	0.664**
3	exchange	0.200	0.170
4	f3_ee_cgrdp	0.297	-0.832**
5	m3_ee_cgrdp	0.370	-1.954**
6	m3_physatt4	0.154	1.879**
7		0.158	1.384**
8			-0.087

program4--table 7.log

0.189			
9	f3_physatt4		1.599**
0.168	3		
10	4		1.527**
0.168			
11	5		0.666**
0.182			
12	f3_ee_cgrdp.f3_physatt4		0.087
0.323	1.3		
13	1.4		0.603
0.324			
14	1.5		1.037**
0.342			
15	m3_ee_cgrdp.m3_physatt4		0.668
0.386	1.3		
16	1.4		1.108**
0.391			
17	1.5		1.585**
0.424			
18	_cons		0.108
0.206			
19	lnalpha		-3.937**
0.779	_cons		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

	Model	Obs	ll(null)	ll(model)	df	AIC	BIC
	.	64	-257.5145	-164.1574	19	366.3147	407.3335

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,19]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.5013445	.66424416	.17032559	-.83222023	-1.9542453	1.8789154
1.3837296						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.08737574	1.598827	1.5270383	.66597984	.08725489	.60257408
1.0371731						
count:	count:	count:	count:	lnalpha:		
count:	_x_15	_x_16	_x_17	_cons	_cons	
y1	.66801256	1.1075304	1.5846064	.10796512	-3.9373283	
nbreg, with gender-stereotypical exchange term						

-----  
 Negative binomial regression

program4--table 7.log

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
64
Initial log likelihood:
-257.514
Log likelihood:
-164.136
LR chi square:
186.757
Model degrees of freedom:
18
Pseudo R-squared:
0.363
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	0.104	1.504**
2	physatt_endog	0.099	0.663**
3	exchange	0.270	0.133
4	exchange_trad	0.388	0.081
5	f3_ee_cgrdp	0.312	-0.812**
6	m3_ee_cgrdp	0.377	-1.970**
7	m3_physatt4	0.154	1.879**
8		0.158	1.387**
9		0.190	-0.082
10	f3_physatt4	0.168	1.600**
11		0.169	1.525**
12		0.183	0.662**
13	f3_ee_cgrdp.f3_physatt4	1.3	0.078

program4--table 7.log

```

0.325
14      1.4                                0.592
0.328
15      1.5                                1.027**
0.345
      m3_ee_cgrdp.m3_physatt4
16      1.3                                0.673
0.387
17      1.4                                1.114**
0.392
18      1.5                                1.591**
0.425
19      _cons                                0.105
0.207
      lnalpha
20      _cons                                -3.947**
0.782

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	64	-257.5145	-164.1358	20	368.2716	411.4492

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,20]
count:      count:      count:      count:      count:      count:
      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.5040866  .66345064  .13267866  .0807587  -.81209141  -1.969907
1.8792987

count:      count:      count:      count:      count:      count:
      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  1.3866105  -.08208339  1.5997374  1.5249044  .66171603  .07781888
.59160489

count:      count:      count:      count:      count:      lnalpha:
      _x_15     _x_16     _x_17     _x_18     _cons     _cons
y1  1.026613   .67253003  1.1144388  1.590696  .10493228  -3.9466623

```

Contains data from ...\\temp\_mim.dta

obs: 64  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 5,632

2 Sep 2014 16:33

```

-----
variable name  storage  display  value  variable label
               type    format   label
-----

```



program4--table 7.log

```

b1_1      float    %9.0g
v1_1      float    %9.0g
se1_1     float    %9.0g
b1_2      float    %9.0g
v1_2      float    %9.0g
se1_2     float    %9.0g
b1_3      float    %9.0g
v1_3      float    %9.0g
se1_3     float    %9.0g
b2_1      float    %9.0g
v2_1      float    %9.0g
se2_1     float    %9.0g
b2_2      float    %9.0g
v2_2      float    %9.0g
se2_2     float    %9.0g
b2_3      float    %9.0g
v2_3      float    %9.0g
se2_3     float    %9.0g
b2_4      float    %9.0g
v2_4      float    %9.0g
se2_4     float    %9.0g
mj        float    %9.0g

```

Sorted by:

Note: dataset has changed since last saved

variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	64	1.501345	0	1.501345	1.501345
v1_1	64	.0106843	0	.0106843	.0106843
se1_1	64	.1033651	0	.1033651	.1033651
b1_2	64	.6642442	0	.6642442	.6642442
v1_2	64	.0097194	0	.0097194	.0097194
se1_2	64	.0985868	0	.0985868	.0985868
b1_3	64	.1703256	0	.1703256	.1703256
v1_3	64	.0400251	0	.0400251	.0400251
se1_3	64	.2000627	0	.2000627	.2000627
b2_1	64	1.504087	0	1.504087	1.504087
v2_1	64	.0108564	0	.0108564	.0108564
se2_1	64	.104194	0	.104194	.104194
b2_2	64	.6634507	0	.6634507	.6634507
v2_2	64	.0097254	0	.0097254	.0097254
se2_2	64	.0986175	0	.0986175	.0986175
b2_3	64	.1326787	0	.1326787	.1326787
v2_3	64	.0730245	0	.0730245	.0730245
se2_3	64	.2702305	0	.2702305	.2702305
b2_4	64	.0807587	0	.0807587	.0807587
v2_4	64	.1509283	0	.1509283	.1509283
se2_4	64	.3884949	0	.3884949	.3884949
mj	64	10	0	10	10

(63 observations deleted)  
file ...\temp10.dta saved

```

. *** see Rubin, D.B. (1987) Multiple Imputation for Nonresponse in Surveys. J Wiley
& Sons
> , NY ***;
. *** also see sites.stat.psu.edu/~jls/mifaq.html#howto ***;
. use "...\temp1", clear ;

```

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

```
. forvalues i=2/10 { ;
  2. append using "...\temp`i'" ;
  3. } ;

. ** p-values for model without gender-stereotypical term **;
. forvalues j=1/3 { ;
  2. * we need to average the coef estimates *;
. egen avg_b`j'=mean(b1_`j') ;
  3. * we need to average the within-imputation variance *;
. egen wi_v`j'=mean(v1_`j') ;
  4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b1_`j') ;
  5. gen bi_var`j' = (bi_sd`j')^2 ;
  6. * calculate total variance *;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance *;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
  7. sum b1_`j' avg_b`j' v1_`j' var_b`j' ;
  8. display "p-value for b1_`j'" ;
  9. gen abv_avg_b`j'=abs(avg_b`j') ;
  10. display (1-normal(abv_avg_b`j'/sqrt(var_b`j')))*2 ;
  11. } ;
```

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	10	1.502104	.0024	1.501345	1.508934
avg_b1	10	1.502104	0	1.502104	1.502104
v1_1	10	.0106886	.0000136	.0106843	.0107273
var_b1	10	.010695	0	.010695	.010695

p-value for b1\_1  
0

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_2	10	.6643782	.0004238	.6642442	.6655842
avg_b2	10	.6643782	0	.6643782	.6643782
v1_2	10	.0097275	.0000257	.0097194	.0098005
var_b2	10	.0097277	0	.0097277	.0097277

p-value for b1\_2  
1.627e-11

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_3	10	.1704294	.0003283	.1703256	.1713636
avg_b3	10	.1704294	0	.1704294	.1704294
v1_3	10	.0400332	.0000255	.0400251	.0401057
var_b3	10	.0400333	0	.0400333	.0400333

p-value for b1\_3  
.39432919

```
. drop avg_* wi_* bi_* var_* abv_* ;

. ** p-values for model with gender-stereotypical term **;
. forvalues j=1/4 { ;
  2. * we need to average the coef estimates *;
. egen avg_b`j'=mean(b2_`j') ;
  3. * we need to average the within-imputation variance *;
. egen wi_v`j'=mean(v2_`j') ;
  4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b2_`j') ;
```

program4--table 7.log

```

5. gen bi_var`j' = (bi_sd`j')^2 ;
6. * calculate total variance * ;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance * ;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
7. sum b2_`j' avg_b`j' v2_`j' var_b`j' ;
8. display "p-value for b2_`j'" ;
9. gen abv_avg_b`j'=abs(avg_b`j') ;
10. display (1-normal(abv_avg_b`j'/sqrt(var_b`j')))*2 ;
11. } ;

```

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_1	10	1.504765	.0021459	1.504087	1.510872
avg_b1	10	1.504765	0	1.504765	1.504765
v2_1	10	.0108603	.0000124	.0108564	.0108957
var_b1	10	.0108654	0	.0108654	.0108654

p-value for b2\_1  
0

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_2	10	.663604	.000485	.6634507	.6649842
avg_b2	10	.663604	0	.663604	.663604
v2_2	10	.0097339	.0000268	.0097254	.0098101
var_b2	10	.0097341	0	.0097341	.0097341

p-value for b2\_2  
1.743e-11

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_3	10	.133851	.0037073	.1326787	.1444021
avg_b3	10	.133851	0	.133851	.133851
v2_3	10	.0730559	.0000993	.0730245	.0733384
var_b3	10	.073071	0	.073071	.073071

p-value for b2\_3  
.62048438

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_4	10	.0784442	.0073192	.0576133	.0807587
avg_b4	10	.0784442	0	.0784442	.0784442
v2_4	10	.1509476	.0000612	.1509283	.1511219
var_b4	10	.1510066	0	.1510066	.1510066

p-value for b2\_4  
.84002166

```

. * Average BIC for model w/o gender-trad (gender-stereotypical exchange) term ;
. display (407.3335 + 407.3335 + 407.3335 + 408.0613 + 407.3335 + 407.3335 +
407.3335 + 407
> .3335 + 407.3335 + 407.3335)/10 ;
407.40628

```

```

. * Average BIC for model w/ gender-trad term ;
. display (411.4492 + 411.4492 + 411.4492 + 412.1982 + 411.4492 + 411.4492 +
411.4492 + 411
> .4492 + 411.4492 + 411.4492)/10 ;
411.5241

```

. \* Note--lower BIC indicates better fit so this suggests that the model without the gender  
> -trad (gender-stereotypical exchange) term fits the data better ;

```

                                program4--table 7.log
. ***** Use an alternate level of education *****;
. * based off yrsedu -- current edu, nothing forecast *;
. *** not MIM ***;
. use "...\temp.dta", clear ;
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

```

```

. display "tab before contract" ;
tab before contract

```

```

. * commented out due to small N in extreme values of yrsedu ;
. *tab1 f3_physatt4 m3_physatt4 m3_yrsedu m3_yrsedu ;
. display "make categorical edu" ;
make categorical edu

```

```

. recode m3_yrsedu 0/11=1 12=2 13/15=3 16/25=4, gen(m3_edu4) ;
(1506 differences between m3_yrsedu and m3_edu4)

```

```

. recode f3_yrsedu 0/11=1 12=2 13/15=3 16/25=4, gen(f3_edu4) ;
(1507 differences between f3_yrsedu and f3_edu4)

```

```

. tab1 f3_edu4 m3_edu4 ;

```

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.06	19.06
2	586	38.91	57.97
3	466	30.94	88.91
4	167	11.09	100.00
Total	1,506	100.00	

```

. * commented out due to small N ;
. *tab f3_edu4 m3_edu4 ;
. contract m3_physatt4 f3_physatt4 f3_edu4 m3_edu4, freq(count) zero ;

```

```

. * commented out due to small N ;
. *bysort f3_edu4 m3_edu4: table f3_physatt4 m3_physatt4 , contents(sum count) ;
. display "edu_endog" ;
edu_endog

```

```

. gen edu_endog = 0 ;

```

```

. replace edu_endog = 1 if m3_edu4 == f3_edu4 ;
(64 real changes made)

```

program4--table 7.log

```
. table m3_edu4 f3_edu4, contents(mean edu_endog) ;
```

RECODE of m3_yrse (W3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

```
. display "physatt_endog" ;  
physatt_endog
```

```
. gen physatt_endog = 0 ;
```

```
. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;  
(80 real changes made)
```

```
. table m3_physatt4 f3_physatt4 , contents(mean physatt_endog) ;
```

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

```
. table m3_edu4 f3_edu4, contents(mean edu_endog mean physatt_endog) ;
```

RECODE of m3_yrse (W3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

program4--table 7.1log

```
. table m3_physatt4 f3_physatt4 , contents(mean edu_endog mean physatt_endog) ;
```

```
-----
```

RECODE of m3_physatt t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.2 1	.2 0	.2 0	.2 0
3	.2 0	.2 1	.2 0	.2 0
4	.2 0	.2 0	.2 1	.2 0
5	.2 0	.2 0	.2 0	.2 1

```
-----
```

```
. display "exchange" ;  
exchange
```

```
. gen exchange = 0 ;
```

```
. replace exchange = 1 if ((f3_edu4 > m3_edu4) & (f3_physatt4 < m3_physatt4 ))  
> | ((f3_edu4 < m3_edu4) & (f3_physatt4 > m3_physatt4 )) ;  
(96 real changes made)
```

```
. table m3_edu4 f3_edu4, contents(mean exchange) ;
```

```
-----
```

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

```
-----
```

```
. table m3_physatt4 f3_physatt4 , contents(mean exchange) ;
```

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.5	.5	.5

```
-----
```

program4--table 7.log

3		.3	0	.5	.5
4		.3	.3	0	.5
5		.3	.3	.3	0

```

. display "exchange_trad--that is, gender-stereotypical exchange (trad=traditional)"
;
exchange_trad--that is, gender-stereotypical exchange (trad=traditional)
. gen exchange_trad = 0 ;
. replace exchange_trad = 1 if ((f3_edu4 < m3_edu4) & (f3_physatt4 > m3_physatt4 ))
;
(60 real changes made)
. table m3_edu4 f3_edu4, contents(mean exchange_trad) ;

```

RECODE of m3_yrse (W3 - Years of Edu)		RECODE of f3_yrse - Years of Edu)			
		1	2	3	4
1		0	0	0	0
2		.375	0	0	0
3		.375	.375	0	0
4		.375	.375	.375	0

```

. table m3_physatt4 f3_physatt4 , contents(mean exchange_trad) ;

```

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)		RECODE of f3_physatt			
		2	3	4	5
2		0	.5	.5	.5
3		0	0	.5	.5
4		0	0	0	.5
5		0	0	0	0

```

. * model with gender-symmetric exchange term but without gender-stereotypical
exchange ter
> m ;
. desmat: nbreg count edu_endog physatt_endog exchange f3_edu4 m3_edu4 m3_physatt4
f3_physa
> tt4 f3_edu4*f3_physatt4 m3_edu4*m3_physatt4 ;

```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml

```

program4--table 7.log

Number of observations:  
 256  
 Initial log likelihood:  
 -685.484  
 Log likelihood:  
 -512.106  
 LR chi square:  
 346.755  
 Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.253  
 Dispersion:  
 mean  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
<hr/>			
	count		
	edu_endog		
1	1		1.283**
0.111			
	physatt_endog		
2	1		0.831**
0.113			
	exchange		
3	1		0.524**
0.152			
	f3_edu4		
4	2		0.345
0.344			
5	3		-0.403
0.380			
6	4		-0.830
0.438			
	m3_edu4		
7	2		-0.483
0.320			
8	3		-1.080**
0.357			
9	4		-2.063**
0.484			
	m3_physatt4		
10	3		1.036**
0.257			
11	4		0.475
0.272			
12	5		-1.168**
0.358			
	f3_physatt4		
13	3		1.077**
0.311			
14	4		0.905**
0.316			
15	5		0.151
0.350			
	f3_edu4.f3_physatt4		
16	2.3		0.498
0.413			



program4--table 7.log

17	2.4		0.628
0.417			
18	2.5		0.350
0.453			
19	3.3		1.182**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.380*
0.551			
m3_edu4.m3_physatt4			
25	2.3		1.262**
0.377			
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			
28	3.3		1.396**
0.408			
29	3.4		1.612**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.840**
0.543			
33	4.5		2.708**
0.622			
34	__cons		-0.797*
0.317			
lnalpha			
35	__cons		-1.676**
0.260			

-----  
 \* p < .05  
 \*\* p < .01

. estat ic ;

Akaike's information criterion and Bayesian information criterion

-----							
Model		Obs	ll(null)	ll(model)	df	AIC	BIC
-----							
.		256	-685.4839	-512.1063	35	1094.213	1218.294
-----							

Note: N=Obs used in calculating BIC; see [R] BIC note

```
. * model with gender-symmetric exchange term and gender-stereotypical exchange term
;
. desmat: nbreg count edu_endog physatt_endog exchange exchange_trad f3_edu4 m3_edu4
m3_phy
> satt4 f3_physatt4 f3_edu4*f3_physatt4 m3_edu4*m3_physatt4 ;
```

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.484
Log likelihood:
-511.435
LR chi square:
348.097
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

nr	Effect	Coeff
s.e.		
	count	
1	edu_endog	1.288**
0.111	1	
2	physatt_endog	0.826**
0.113	1	
3	exchange	0.342
0.219	1	
4	exchange_trad	0.347
0.300	1	
5	f3_edu4	0.384
0.345	2	
6	3	-0.317
0.387	3	
7	4	-0.700
0.450	4	
8	m3_edu4	-0.512
0.320	2	
9	3	-1.152**
0.362	3	
10	4	-2.182**
0.495	4	
11	m3_physatt4	1.060**
0.257	3	
12	4	0.539
0.277	4	
13	5	-1.057**
0.369	5	

program4--table 7.log

14	f3_physatt4	3	1.067**
0.311			
15		4	0.853**
0.319			
16		5	0.051
0.360			
17	f3_edu4.f3_physatt4	2.3	0.484
0.412			
18		2.4	0.614
0.417			
19		2.5	0.356
0.453			
20		3.3	1.155**
0.444			
21		3.4	1.358**
0.448			
22		3.5	1.651**
0.481			
23		4.3	0.449
0.504			
24		4.4	1.156*
0.506			
25		4.5	1.368*
0.549			
26	m3_edu4.m3_physatt4	2.3	1.260**
0.376			
27		2.4	1.186**
0.389			
28		2.5	1.173*
0.477			
29		3.3	1.399**
0.407			
30		3.4	1.610**
0.423			
31		3.5	1.989**
0.505			
32		4.3	1.124*
0.532			
33		4.4	1.858**
0.543			
34		4.5	2.707**
0.621			
35	_cons		-0.801*
0.317			
36	lnalpha		-1.691**
0.261	_cons		

-----  
 \* p < .05  
 \*\* p < .01

. estat ic ;

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.4839	-511.4355	36	1094.871	1222.497

Note: N=Obs used in calculating BIC; see [R] BIC note

```
. *** MIM ***;
. forvalues i = 1/10 { ;
2. use "... \temp_mim.dta", clear ;
3. keep if _mj == `i' ;
4. display "imputation is `i'" ;
5. display "tab before contract" ;
6. * commented out due to small N in extreme values of edu ;
. *tab1 f3_physatt4 m3_physatt4 m3_yrsedu m3_yrsedu ;
. display "make categorical edu" ;
7. recode m3_yrsedu 0/11=1 12=2 13/15=3 16/25=4, gen(m3_edu4) ;
8. recode f3_yrsedu 0/11=1 12=2 13/15=3 16/25=4, gen(f3_edu4) ;
9. tab1 f3_edu4 m3_edu4 ;
10. contract m3_physatt4 f3_physatt4 f3_edu4 m3_edu4, freq(count) zero ;
11. display "edu_endog" ;
12. gen edu_endog = 0 ;
13. replace edu_endog = 1 if m3_edu4 == f3_edu4 ;
14. table m3_edu4 f3_edu4, contents(mean edu_endog) ;
15. display "physatt_endog" ;
16. gen physatt_endog = 0 ;
17. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;
18. table m3_physatt4 f3_physatt4, contents(mean physatt_endog) ;
19. table m3_edu4 f3_edu4, contents(mean edu_endog mean physatt_endog) ;
20. table m3_physatt4 f3_physatt4, contents(mean edu_endog mean physatt_endog) ;
21. display "exchange" ;
22. gen exchange = 0 ;
23. replace exchange = 1 if ((f3_edu4 > m3_edu4) & (f3_physatt4 < m3_physatt4 ))
> | ((f3_edu4 < m3_edu4) & (f3_physatt4 > m3_physatt4 )) ;
24. table m3_edu4 f3_edu4, contents(mean exchange) ;
25. table m3_physatt4 f3_physatt4, contents(mean exchange) ;
26. display "exchange_trad--that is, gender-stereotypical exchange
(trad=traditional)" ;
27. gen exchange_trad = 0 ;
28. replace exchange_trad = 1 if ((f3_edu4 < m3_edu4) & (f3_physatt4 > m3_physatt4
)) ;
29. table m3_edu4 f3_edu4, contents(mean exchange_trad) ;
30. table m3_physatt4 f3_physatt4, contents(mean exchange_trad) ;
31. display "nbreg, without gender-stereotypical exchange term (only
gender-symmetric exch
> ange)" ;
32. desmat: nbreg count edu_endog physatt_endog exchange f3_edu4 m3_edu4
m3_physatt4 f3_ph
> ysatt4 f3_edu4*f3_physatt4 m3_edu4*m3_physatt4 ;
33. estat ic ;
34. * this is the coef matrix *;
. matrix b1=e(b) ;
35. matrix list b1 ;
36. matrix v1=e(V) ;
37. forvalues j=1/3 { ;
38. gen b1_`j'=b1[1,`j'] ;
39. gen v1_`j'=v1[`j',`j'] ;
40. gen se1_`j'=sqrt(v1_`j') ;
41. } ;
42. display "nbreg, with gender-stereotypical exchange term" ;
43. desmat: nbreg count edu_endog physatt_endog exchange exchange_trad f3_edu4
m3_edu4 m3_
> physatt4 f3_physatt4 f3_edu4*f3_physatt4 m3_edu4*m3_physatt4 ;
44. estat ic ;
45. * this is the coef matrix *;
. matrix b2=e(b) ;
46. matrix list b2 ;
```

program4--table 7.log

```

47. matrix v2=e(v) ;
48. forvalues j=1/4 { ;
49. gen b2_`j'=b2[1,`j'] ;
50. gen v2_`j'=v2[`j',`j'] ;
51. gen se2_`j'=sqrt(v2_`j') ;
52. } ;
53. drop _* ;
54. gen mj=`i' ;
55. keep mj b* v* se* ;
56. des ;
57. sum ;
58. sample 1, count ;
59. save "...temp`i'", replace ;
60. } ;

```

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(1507 observations deleted)

imputation is 1  
tab before contract  
make categorical edu  
(1507 differences between m3\_yrsedu and m3\_edu4)  
(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	288	19.11	19.11
2	586	38.89	58.00
3	466	30.92	88.92
4	167	11.08	100.00
Total	1,507	100.00	

edu\_endog  
(64 real changes made)

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange

(72 real changes made)

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt 5			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt 5			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

program4--table 7.log

-----  
 Negative binomial regression  
 -----

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -685.569  
 Log likelihood:  
 -512.216  
 LR chi square:  
 346.707  
 Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.253  
 Dispersion:  
 mean  
 Prob:  
 0.000

-----

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.111	1.283**
2	physatt_endog	0.113	0.833**
3	exchange	0.152	0.524**
4	f3_edu4	0.344	0.345
5		0.381	-0.403
6		0.438	-0.829
7	m3_edu4	0.320	-0.482
8		0.358	-1.080**
9		0.484	-2.063**
10	m3_physatt4	0.257	1.040**
11		0.272	0.475
12		0.358	-1.168**
13	f3_physatt4		1.076**



program4--table 7.log

0.312		
14	4	0.905**
0.316		
15	5	0.151
0.350		
	f3_edu4.f3_physatt4	
16	2.3	0.503
0.413		
17	2.4	0.628
0.418		
18	2.5	0.350
0.454		
19	3.3	1.183**
0.445		
20	3.4	1.387**
0.449		
21	3.5	1.655**
0.483		
22	4.3	0.498
0.505		
23	4.4	1.194*
0.507		
24	4.5	1.379*
0.551		
	m3_edu4.m3_physatt4	
25	2.3	1.258**
0.378		
26	2.4	1.196**
0.391		
27	2.5	1.197*
0.479		
28	3.3	1.392**
0.409		
29	3.4	1.611**
0.425		
30	3.5	2.007**
0.507		
31	4.3	1.093*
0.532		
32	4.4	1.840**
0.543		
33	4.5	2.709**
0.622		
34	_cons	-0.798*
0.318		
	lnalpha	
35	_cons	-1.672**
0.259		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5694	-512.2159	35	1094.432	1218.513

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

program4--table 7.log

	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.2829572	.83290123	.52424857	.34519725	-.40286344	-.82925756
	-.48247281					
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-1.07963	-2.0627806	1.040155	.47477722	-1.1681575	1.0762137
	.90472578					
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.15106378	.50317863	.62805925	.34960612	1.1832173	1.3868825
	1.6548281					
count:	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.49842157	1.194158	1.3793146	1.2576792	1.1961677	1.1966964
	1.3915325					
lnalpha:	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons						
y1	1.6114099	2.0073525	1.0930667	1.8397262	2.7087357	-.79799094
	-1.6716091					

nbreg, with gender-stereotypical exchange term

-----  
 Negative binomial regression  
 -----

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -685.569  
 Log likelihood:  
 -511.540  
 LR chi square:  
 348.059  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:  
 0.254  
 Dispersion:  
 mean  
 Prob:  
 0.000  
 -----

nr Effect

Coeff

program4--table 7.log

s.e.		
-----		
	count	
	edu_endog	
1	1	1.288**
0.111		
	physatt_endog	
2	1	0.827**
0.113		
	exchange	
3	1	0.341
0.219		
	exchange_trad	
4	1	0.349
0.300		
	f3_edu4	
5	2	0.384
0.346		
6	3	-0.316
0.387		
7	4	-0.699
0.450		
	m3_edu4	
8	2	-0.512
0.320		
9	3	-1.152**
0.362		
10	4	-2.182**
0.496		
	m3_physatt4	
11	3	1.064**
0.257		
12	4	0.539
0.277		
13	5	-1.057**
0.369		
	f3_physatt4	
14	3	1.066**
0.311		
15	4	0.852**
0.319		
16	5	0.050
0.361		
	f3_edu4.f3_physatt4	
17	2.3	0.489
0.412		
18	2.4	0.614
0.417		
19	2.5	0.356
0.453		
20	3.3	1.155**
0.445		
21	3.4	1.358**
0.448		
22	3.5	1.651**
0.482		
23	4.3	0.449
0.504		
24	4.4	1.156*
0.506		
25	4.5	1.367*
0.549		

program4--table 7.log

m3_edu4.m3_physatt4		
26	2.3	1.256**
0.376		
27	2.4	1.186**
0.390		
28	2.5	1.173*
0.478		
29	3.3	1.394**
0.407		
30	3.4	1.609**
0.423		
31	3.5	1.989**
0.506		
32	4.3	1.119*
0.532		
33	4.4	1.858**
0.544		
34	4.5	2.707**
0.621		
35	_cons	-0.802*
0.317		
	lnalpha	
36	_cons	-1.687**
0.261		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----	-----	-----	-----	-----	-----	-----
Model	Obs	ll(null)	ll(model)	df	AIC	BIC
-----	-----	-----	-----	-----	-----	-----
.	256	-685.5694	-511.5399	36	1095.08	1222.706
-----	-----	-----	-----	-----	-----	-----

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7	1.2875974	.82739929	.34092984	.34911278	.38407511	-.31640246
-1.69943947						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14	-.51227609	-1.1521845	-2.1823243	1.0637149	.53895537	-1.0567643
1.0661988						
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21	.85232507	.05034964	.4891276	.61437552	.35583207	1.1552494
1.3580364						
count:	count:	count:	count:	count:	count:	count:
count:	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27

program4--table 7.log

\_x\_28  
y1 1.6511032 .44893449 1.1555967 1.3674395 1.2564821 1.1864184  
1.1728341

count: count: count: count: count: count: count:  
count: \_x\_29 \_x\_30 \_x\_31 \_x\_32 \_x\_33 \_x\_34  
\_cons  
y1 1.3940917 1.6094716 1.9888399 1.119352 1.8578118 2.7072763  
-.80168812

lnalpha:  
\_cons  
y1 -1.686703

Contains data from ...\\temp\_mim.dta  
obs: 256

National Longitudinal Study of  
Adolescent Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 22,528  
2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.282957	0	1.282957	1.282957
v1_1	256	.012336	0	.012336	.012336
se1_1	256	.1110675	0	.1110675	.1110675
b1_2	256	.8329012	0	.8329012	.8329012
v1_2	256	.0128223	0	.0128223	.0128223

---

program4--table 7.log

se1_2	256	.1132356	0	.1132356	.1132356
b1_3	256	.5242485	0	.5242485	.5242485
v1_3	256	.0232329	0	.0232329	.0232329
se1_3	256	.1524233	0	.1524233	.1524233
b2_1	256	1.287597	0	1.287597	1.287597
-----					
v2_1	256	.0122443	0	.0122443	.0122443
se2_1	256	.110654	0	.110654	.110654
b2_2	256	.8273993	0	.8273993	.8273993
v2_2	256	.0127372	0	.0127372	.0127372
se2_2	256	.112859	0	.112859	.112859
-----					
b2_3	256	.3409298	0	.3409298	.3409298
v2_3	256	.0479982	0	.0479982	.0479982
se2_3	256	.2190848	0	.2190848	.2190848
b2_4	256	.3491128	0	.3491128	.3491128
v2_4	256	.0900746	0	.0900746	.0900746
-----					
se2_4	256	.3001244	0	.3001244	.3001244
mj	256	1	0	1	1

(255 observations deleted)

file ... \temp1.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 2

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00
-----			
Total	1,507	100.00	

edu\_endog

(64 real changes made)

-----  
RECODE of  
m3\_yrsedu

(w3 - Years of Edu)	RECODE of f3_yrse <u>du</u> (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse <u>du</u> (w3 - Years of Edu)	RECODE of f3_yrse <u>du</u> (w3 - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0

program4--table 7.log

4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0



program4--table 7.log

2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	0.111	1.284**
2	physatt_endog	0.113	0.831**
3	exchange	0.152	0.524**
4	f3_edu4	0.343	0.345
5		0.380	-0.403
6		0.438	-0.830
7	m3_edu4	0.320	-0.483
8		0.357	-1.080**
9	m3_physatt4	0.484	-2.063**

program4--table 7.log

10	3	1.036**
0.257		
11	4	0.475
0.272		
12	5	-1.168**
0.358		
	f3_physatt4	
13	3	1.077**
0.311		
14	4	0.905**
0.316		
15	5	0.151
0.350		
	f3_edu4.f3_physatt4	
16	2.3	0.499
0.413		
17	2.4	0.628
0.417		
18	2.5	0.350
0.453		
19	3.3	1.182**
0.445		
20	3.4	1.387**
0.448		
21	3.5	1.655**
0.482		
22	4.3	0.498
0.504		
23	4.4	1.194*
0.506		
24	4.5	1.380*
0.551		
	m3_edu4.m3_physatt4	
25	2.3	1.262**
0.377		
26	2.4	1.196**
0.391		
27	2.5	1.197*
0.478		
28	3.3	1.396**
0.408		
29	3.4	1.612**
0.424		
30	3.5	2.007**
0.506		
31	4.3	1.097*
0.531		
32	4.4	1.840**
0.543		
33	4.5	2.708**
0.622		
34	_cons	-0.797*
0.317		
	lnalpha	
35	_cons	-1.678**
0.260		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

program4--table 7.log

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	1.2835669	.83142716	.52424082	.34483508	-.40320309	-.8298485
	-.48280998					

count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	-1.0801127	-2.0628677	1.0361378	.47505766	-1.1676275	1.077102
	.90527653					

count:	count:	count:	count:	count:	count:	count:
_x_15	_x_16	_x_17	_x_18	_x_19	_x_20	
_x_21						
y1	.15078811	.49870722	.6277218	.3499908	1.1822664	1.3869264
	1.6551708					

count:	count:	count:	count:	count:	count:	count:
_x_22	_x_23	_x_24	_x_25	_x_26	_x_27	
_x_28						
y1	.49790584	1.1942859	1.3800248	1.2624619	1.1962677	1.196762
	1.3960933					

lnalpha:	count:	count:	count:	count:	count:	count:
_cons	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
y1	1.6118752	2.0074987	1.0974187	1.8398698	2.7084597	-.79747141
	-1.6775966					

nbreg, with gender-stereotypical exchange term

Negative binomial regression

Dependent variable

count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -685.558  
 Log likelihood:  
 -511.416  
 LR chi square:  
 348.284  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:

program4--table 7.log

0.254  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
	count		
	edu_endog		
1	1		1.288**
0.110			
	physatt_endog		
2	1		0.826**
0.113			
	exchange		
3	1		0.342
0.219			
	exchange_trad		
4	1		0.347
0.300			
	f3_edu4		
5	2		0.383
0.345			
6	3		-0.317
0.386			
7	4		-0.701
0.450			
	m3_edu4		
8	2		-0.512
0.319			
9	3		-1.152**
0.361			
10	4		-2.182**
0.495			
	m3_physatt4		
11	3		1.060**
0.257			
12	4		0.539
0.276			
13	5		-1.057**
0.369			
	f3_physatt4		
14	3		1.067**
0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
	f3_edu4.f3_physatt4		
17	2.3		0.485
0.412			
18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.154**
0.444			
21	3.4		1.358**
0.448			

program4--table 7.log

22	3.5		1.651**
0.481			
23	4.3		0.449
0.504			
24	4.4		1.156*
0.505			
25	4.5		1.368*
0.549			
	m3_edu4.m3_physatt4		
26	2.3		1.261**
0.376			
27	2.4		1.187**
0.389			
28	2.5		1.173*
0.477			
29	3.3		1.399**
0.407			
30	3.4		1.610**
0.423			
31	3.5		1.989**
0.505			
32	4.3		1.124*
0.532			
33	4.4		1.858**
0.543			
34	4.5		2.707**
0.621			
35	_cons		-0.801*
0.317			
	lnalpha		
36	_cons		-1.693**
0.262			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-511.4162	36	1094.832	1222.459

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
-.70057628						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.51246176	-1.1522909	-2.1818285	1.0595526	.53887233	-1.0568527
1.0671873						
count:	count:	count:	count:	count:	count:	count:

program4--table 7.log

```

_x_21      _x_15      _x_16      _x_17      _x_18      _x_19      _x_20
y1      .85316161      .05059706      .48482057      .61413636      .35622712      1.1543595
1.3581879

count:      count:      count:      count:      count:      count:      count:
_x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1      1.6514516      .44854081      1.1557711      1.3681039      1.2612439      1.1865654
1.1730328

count:      count:      count:      count:      count:      count:      count:
_x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1      1.3986278      1.6099619      1.9890668      1.1235832      1.857929      2.7070567
-.80114569

lnalpha:
_cons
y1      -1.692648

```

Contains data from ...\\temp\_mim.dta  
 obs: 256  
 Adolescent  
 I  
 vars: 22  
 size: 22,528

National Longitudinal study of  
 Health (Add Health), 1994-2008: wave  
 2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
 Note: dataset has changed since last saved

program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	2	0	2	2

(255 observations deleted)

file ... \temp2.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 3

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00

```
-----+-----
      Total |      1,507      100.00
edu_endog
(64 real changes made)
```

```
-----+-----
RECODE of |
m3_yrsedu |
(W3 - | RECODE of f3_yrsedu (W3
Years of | - Years of Edu)
Edu) |      1      2      3      4
-----+-----
      1 |      1      0      0      0
      2 |      0      1      0      0
      3 |      0      0      1      0
      4 |      0      0      0      1
-----+-----
```

```
physatt_endog
(64 real changes made)
```

```
-----+-----
RECODE of |
m3_physat |
t (W3 - | RECODE of f3_physatt
Interview | 2      3      4      5
er-rated |
physical |
attractiv |
eness) |
-----+-----
      2 |      1      0      0      0
      3 |      0      1      0      0
      4 |      0      0      1      0
      5 |      0      0      0      1
-----+-----
```

```
-----+-----
RECODE of |
m3_yrsedu |
(W3 - | RECODE of f3_yrsedu (W3
Years of | - Years of Edu)
Edu) |      1      2      3      4
-----+-----
      1 |      1      0      0      0
      |      .25   .25   .25   .25
      2 |      0      1      0      0
      |      .25   .25   .25   .25
      3 |      0      0      1      0
      |      .25   .25   .25   .25
      4 |      0      0      0      1
      |      .25   .25   .25   .25
-----+-----
```

```
-----+-----
RECODE of |
m3_physat |
t (W3 - |
Interview |
er-rated |
physical |
-----+-----
```



program4--table 7.log

attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

program4--table 7.log

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.111	1.284**
2	physatt_endog	0.113	0.831**
3	exchange	0.152	0.524**
4	f3_edu4	0.343	0.345
5		0.380	-0.403
6		0.438	-0.830

program4--table 7.log

7	m3_edu4		
0.320	2		-0.483
8	3		-1.080**
0.357			
9	4		-2.063**
0.484			
10	m3_physatt4		
0.257	3		1.036**
11	4		0.475
0.272			
12	5		-1.168**
0.358			
13	f3_physatt4		
0.311	3		1.077**
14	4		0.905**
0.316			
15	5		0.151
0.350			
16	f3_edu4.f3_physatt4		
0.413	2.3		0.499
17	2.4		0.628
0.417			
18	2.5		0.350
0.453			
19	3.3		1.182**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.380*
0.551			
25	m3_edu4.m3_physatt4		
0.377	2.3		1.262**
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			
28	3.3		1.396**
0.408			
29	3.4		1.612**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.840**
0.543			
33	4.5		2.708**
0.622			
34	_cons		-0.797*
0.317			
35	lnalpha		
	_cons		-1.678**

0.260

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.2835669  .83142716  .52424082  .34483508  -.40320309  -.8298485
-.48280998

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1 -1.0801127 -2.0628677  1.0361378  .47505766 -1.1676275  1.077102
.90527653

count:      count:      count:      count:      count:      count:
count:      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  .15078811  .49870722  .6277218  .3499908  1.1822664  1.3869264
1.6551708

count:      count:      count:      count:      count:      count:
count:      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  .49790584  1.1942859  1.3800248  1.2624619  1.1962677  1.196762
1.3960933

lnalpha:    count:      count:      count:      count:      count:      count:
count:      _x_29     _x_30     _x_31     _x_32     _x_33     _cons
_cons
y1  1.6118752  2.0074987  1.0974187  1.8398698  2.7084597  -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term
  
```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
  
```

program4--table 7.log

-685.558  
 Log likelihood:  
 -511.416  
 LR chi square:  
 348.284  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:  
 0.254  
 Dispersion:  
 mean  
 Prob:  
 0.000

-----			
nr	Effect		Coeff
-----			
	s.e.		
-----			
	count		
	edu_endog		
1	1		1.288**
0.110			
	physatt_endog		
2	1		0.826**
0.113			
	exchange		
3	1		0.342
0.219			
	exchange_trad		
4	1		0.347
0.300			
	f3_edu4		
5	2		0.383
0.345			
6	3		-0.317
0.386			
7	4		-0.701
0.450			
	m3_edu4		
8	2		-0.512
0.319			
9	3		-1.152**
0.361			
10	4		-2.182**
0.495			
	m3_physatt4		
11	3		1.060**
0.257			
12	4		0.539
0.276			
13	5		-1.057**
0.369			
	f3_physatt4		
14	3		1.067**
0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
	f3_edu4.f3_physatt4		
17	2.3		0.485
0.412			

program4--table 7.log

18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.154**
0.444			
21	3.4		1.358**
0.448			
22	3.5		1.651**
0.481			
23	4.3		0.449
0.504			
24	4.4		1.156*
0.505			
25	4.5		1.368*
0.549			
m3_edu4.m3_physatt4			
26	2.3		1.261**
0.376			
27	2.4		1.187**
0.389			
28	2.5		1.173*
0.477			
29	3.3		1.399**
0.407			
30	3.4		1.610**
0.423			
31	3.5		1.989**
0.505			
32	4.3		1.124*
0.532			
33	4.4		1.858**
0.543			
34	4.5		2.707**
0.621			
35	__cons		-0.801*
0.317			
lnalpha			
36	__cons		-1.693**
0.262			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----							
Model		Obs	ll(null)	ll(model)	df	AIC	BIC
-----							
.		256	-685.5581	-511.4162	36	1094.832	1222.459
-----							

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]						
count:	count:	count:	count:	count:	count:	count:
__x_1	__x_2	__x_3	__x_4	__x_5	__x_6	
__x_7						
y1	1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
-.70057628						
count:	count:	count:	count:	count:	count:	count:

program4--table 7.log

```

count:
_x_14  _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
y1  -.51246176 -1.1522909 -2.1818285  1.0595526  .53887233 -1.0568527
1.0671873

count:      count:      count:      count:      count:      count:      count:
_x_21  _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
y1  .85316161  .05059706  .48482057  .61413636  .35622712  1.1543595
1.3581879

count:      count:      count:      count:      count:      count:      count:
_x_28  _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
y1  1.6514516  .44854081  1.1557711  1.3681039  1.2612439  1.1865654
1.1730328

count:      count:      count:      count:      count:      count:      count:
_cons  _x_29     _x_30     _x_31     _x_32     _x_33     _x_34
y1  1.3986278  1.6099619  1.9890668  1.1235832  1.857929  2.7070567
-.80114569

lnalpha:
_cons
y1  -1.692648

```

Contains data from ...\\temp\_mim.dta  
obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 22,528  
2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		

v2\_4 float %9.0g  
 se2\_4 float %9.0g  
 mj float %9.0g

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	3	0	3	3

(255 observations deleted)

file ... \temp3.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 4

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of |



program4--table 7.log

m3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00
Total	1,507	100.00	

edu\_endog  
(64 real changes made)

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

program4--table 7.log

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

```
-----
```

exchange  
(72 real changes made)

```
-----
```

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

```
-----
```

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

```
-----
```

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

```
-----
```

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

```
-----
```

1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.111	1.284**
2	physatt_endog	0.113	0.831**
3	exchange		0.524**

program4--table 7.log

0.152		
4	f3_educ	0.345
0.343	2	
5	3	-0.403
0.380		
6	4	-0.830
0.438		
7	m3_educ	-0.483
0.320	2	
8	3	-1.080**
0.357		
9	4	-2.063**
0.484		
10	m3_physatt4	1.036**
0.257	3	
11	4	0.475
0.272		
12	5	-1.168**
0.358		
13	f3_physatt4	1.077**
0.311	3	
14	4	0.905**
0.316		
15	5	0.151
0.350		
16	f3_educ.f3_physatt4	0.499
0.413	2.3	
17	2.4	0.628
0.417		
18	2.5	0.350
0.453		
19	3.3	1.182**
0.445		
20	3.4	1.387**
0.448		
21	3.5	1.655**
0.482		
22	4.3	0.498
0.504		
23	4.4	1.194*
0.506		
24	4.5	1.380*
0.551		
25	m3_educ.m3_physatt4	1.262**
0.377	2.3	
26	2.4	1.196**
0.391		
27	2.5	1.197*
0.478		
28	3.3	1.396**
0.408		
29	3.4	1.612**
0.424		
30	3.5	2.007**
0.506		
31	4.3	1.097*
0.531		

program4--table 7.log

```

32      4.4                                1.840**
0.543
33      4.5                                2.708**
0.622
34      _cons                               -0.797*
0.317
      lnalpha
35      _cons                               -1.678**
0.260

```

```

* p < .05
** p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:
      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.2835669  .83142716  .52424082  .34483508  -.40320309  -.8298485
-.48280998

count:      count:      count:      count:      count:      count:
      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1 -1.0801127 -2.0628677  1.0361378  .47505766 -1.1676275  1.077102
.90527653

count:      count:      count:      count:      count:      count:
      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  .15078811  .49870722  .6277218  .3499908  1.1822664  1.3869264
1.6551708

count:      count:      count:      count:      count:      count:
      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  .49790584  1.1942859  1.3800248  1.2624619  1.1962677  1.196762
1.3960933

lnalpha:      count:      count:      count:      count:      count:      count:
      _x_29     _x_30     _x_31     _x_32     _x_33     _cons
_cons
y1  1.6118752  2.0074987  1.0974187  1.8398698  2.7084597  -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term

```

Negative binomial regression

program4--table 7.log

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-511.416
LR chi square:
348.284
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

-----			
nr	Effect		Coeff
-----		s.e.	
-----			
	count		
1	edu_endog		1.288**
0.110	1		
2	physatt_endog		0.826**
0.113	1		
3	exchange		0.342
0.219	1		
4	exchange_trad		0.347
0.300	1		
5	f3_edu4		0.383
0.345	2		
6	3		-0.317
0.386	4		
7	4		-0.701
0.450	4		
8	m3_edu4		-0.512
0.319	2		
9	3		-1.152**
0.361	3		
10	4		-2.182**
0.495	4		
11	m3_physatt4		1.060**
0.257	3		
12	4		0.539
0.276	4		
13	5		-1.057**
0.369	5		
14	f3_physatt4		1.067**
	3		

program4--table 7.log

0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
		f3_edu4.f3_physatt4	
17	2.3		0.485
0.412			
18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.154**
0.444			
21	3.4		1.358**
0.448			
22	3.5		1.651**
0.481			
23	4.3		0.449
0.504			
24	4.4		1.156*
0.505			
25	4.5		1.368*
0.549			
		m3_edu4.m3_physatt4	
26	2.3		1.261**
0.376			
27	2.4		1.187**
0.389			
28	2.5		1.173*
0.477			
29	3.3		1.399**
0.407			
30	3.4		1.610**
0.423			
31	3.5		1.989**
0.505			
32	4.3		1.124*
0.532			
33	4.4		1.858**
0.543			
34	4.5		2.707**
0.621			
35	_cons		-0.801*
0.317			
		lnalpha	
36	_cons		-1.693**
0.262			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-511.4162	36	1094.832	1222.459

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]

program4--table 7.log

count:	count:	count:	count:	count:	count:	count:
_x_7	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
y1	1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
	-.70057628					
_x_14	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
y1	-.51246176	-1.1522909	-2.1818285	1.0595526	.53887233	-1.0568527
	1.0671873					
_x_21	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
y1	.85316161	.05059706	.48482057	.61413636	.35622712	1.1543595
	1.3581879					
_x_28	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
y1	1.6514516	.44854081	1.1557711	1.3681039	1.2612439	1.1865654
	1.1730328					
_cons	_x_29	_x_30	_x_31	_x_32	_x_33	_x_34
y1	1.3986278	1.6099619	1.9890668	1.1235832	1.857929	2.7070567
	-.80114569					

lnalpha:

\_cons  
y1 -1.692648

Contains data from ... \temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: Wave

I  
vars: 22  
size: 22,528

2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		



program4--table 7.log

```

se2_1      float    %9.0g
b2_2      float    %9.0g
v2_2      float    %9.0g
se2_2      float    %9.0g
b2_3      float    %9.0g
v2_3      float    %9.0g
se2_3      float    %9.0g
b2_4      float    %9.0g
v2_4      float    %9.0g
se2_4      float    %9.0g
mj         float    %9.0g
    
```

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	4	0	4	4

(255 observations deleted)

file ... \temp4.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 5

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69

3	531	35.24	86.93
4	197	13.07	100.00
Total		1,507	100.00

-> tabulation of m3\_edu4

RECODE of m3_yrse (w3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	586	38.89	57.93
3	467	30.99	88.92
4	167	11.08	100.00
Total		1,507	100.00

edu\_endog  
(64 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
	.25	.25	.25	.25
2	0	1	0	0

	.25	.25	.25	.25
3	0	0	1	0
	.25	.25	.25	.25
4	0	0	0	1
	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)

(36 real changes made)

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.574  
Log likelihood:  
-512.130  
LR chi square:  
346.887  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	Coeff
s.e.		

count

program4--table 7.log

1	edu_endog		
0.111	1		1.283**
	physatt_endog		
2	1		0.832**
0.113			
	exchange		
3	1		0.524**
0.152			
	f3_edu4		
4	2		0.345
0.344			
5	3		-0.403
0.380			
6	4		-0.830
0.438			
	m3_edu4		
7	2		-0.483
0.320			
8	3		-1.080**
0.357			
9	4		-2.062**
0.484			
	m3_physatt4		
10	3		1.036**
0.257			
11	4		0.475
0.272			
12	5		-1.167**
0.358			
	f3_physatt4		
13	3		1.077**
0.311			
14	4		0.905**
0.316			
15	5		0.151
0.350			
	f3_edu4.f3_physatt4		
16	2.3		0.502
0.413			
17	2.4		0.627
0.417			
18	2.5		0.350
0.453			
19	3.3		1.183**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.379*
0.551			
	m3_edu4.m3_physatt4		
25	2.3		1.262**
0.377			
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			

program4--table 7.log

28	3.3		1.399**
0.408			
29	3.4		1.611**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.839**
0.543			
33	4.5		2.708**
0.622			
34	_cons		-0.798*
0.317			
	lnalpha		
35	_cons		-1.676**
0.260			

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5738	-512.1301	35	1094.26	1218.341

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.2827412	.83218187	.52350522	.34505288	-.40337586	-.82967449
-.48263618						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-1.0795032	-2.0622459	1.0359754	.47516535	-1.1674934	1.0767838
.90514451						
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.1511046	.50161402	.62749077	.34950081	1.1827391	1.3868294
1.6549395						
count:	count:	count:	count:	count:	count:	count:
count:	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.49754627	1.1938216	1.3792879	1.2620773	1.1960904	1.1965955
1.3992489						
lnalpha:	count:	count:	count:	count:	count:	count:
count:	_x_29	_x_30	_x_31	_x_32	_x_33	_cons

program4--table 7.log

\_cons  
y1 1.611281 2.0070025 1.0973969 1.8394576 2.7078713 -.79756439  
-1.6760896  
nbreg, with gender-stereotypical exchange term

-----  
Negative binomial regression  
-----

-----  
Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.574  
Log likelihood:  
-511.466  
LR chi square:  
348.216  
Model degrees of freedom:  
34  
Pseudo R-squared:  
0.254  
Dispersion:  
mean  
Prob:  
0.000  
-----

nr	Effect	s.e.	Coeff
	count		
1	edu_endog	0.111	1.287**
2	physatt_endog	0.113	0.827**
3	exchange	0.219	0.342
4	exchange_trad	0.300	0.346
5	f3_edu4	0.345	0.384
6		0.387	-0.318
7		0.450	-0.701
8	m3_edu4	0.320	-0.512
9		0.362	-1.151**
10		0.495	-2.181**
	m3_physatt4		

program4--table 7.log

11	3		1.059**
0.257			
12	4		0.539
0.277			
13	5		-1.057**
0.369			
		f3_physatt4	
14	3		1.067**
0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
		f3_edu4.f3_physatt4	
17	2.3		0.488
0.412			
18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.155**
0.444			
21	3.4		1.358**
0.448			
22	3.5		1.651**
0.481			
23	4.3		0.448
0.504			
24	4.4		1.155*
0.506			
25	4.5		1.367*
0.549			
		m3_edu4.m3_physatt4	
26	2.3		1.261**
0.376			
27	2.4		1.186**
0.389			
28	2.5		1.173*
0.477			
29	3.3		1.402**
0.407			
30	3.4		1.609**
0.423			
31	3.5		1.989**
0.505			
32	4.3		1.123*
0.532			
33	4.4		1.857**
0.543			
34	4.5		2.706**
0.621			
35	_cons		-0.801*
0.317			
		lnalpha	
36	_cons		-1.691**
0.261			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion



program4--table 7.log

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5738	-511.4658	36	1094.932	1222.558

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	1.2873107	.8268032	.34193972	.3457199	.38352815	-.31777085
	-.70102654					

count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	-.51211458	-1.1512984	-2.1805974	1.0592802	.53867312	-1.0572414
	1.0668479					

count:	count:	count:	count:	count:	count:	count:
_x_15	_x_16	_x_17	_x_18	_x_19	_x_20	
_x_21						
y1	.85324962	.05140803	.48795798	.61399992	.35567482	1.1550744
	1.3582492					

count:	count:	count:	count:	count:	count:	count:
_x_22	_x_23	_x_24	_x_25	_x_26	_x_27	
_x_28						
y1	1.6512397	.44845604	1.155493	1.3673841	1.2608592	1.1864256
	1.1729465					

count:	count:	count:	count:	count:	count:	count:
_x_29	_x_30	_x_31	_x_32	_x_33	_x_34	
_cons						
y1	1.4018606	1.609341	1.9886284	1.123409	1.8573869	2.7064469
	-.80122762					

lalpha:

_cons	
y1	-1.6907414

Contains data from ...\\temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 22,528

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		

program4--table 7.log

```

b1_2      float    %9.0g
v1_2      float    %9.0g
se1_2     float    %9.0g
b1_3      float    %9.0g
v1_3      float    %9.0g
se1_3     float    %9.0g
b2_1      float    %9.0g
v2_1      float    %9.0g
se2_1     float    %9.0g
b2_2      float    %9.0g
v2_2      float    %9.0g
se2_2     float    %9.0g
b2_3      float    %9.0g
v2_3      float    %9.0g
se2_3     float    %9.0g
b2_4      float    %9.0g
v2_4      float    %9.0g
se2_4     float    %9.0g
mj        float    %9.0g

```

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.282741	0	1.282741	1.282741
v1_1	256	.0123045	0	.0123045	.0123045
se1_1	256	.1109257	0	.1109257	.1109257
b1_2	256	.8321819	0	.8321819	.8321819
v1_2	256	.0127933	0	.0127933	.0127933
se1_2	256	.1131075	0	.1131075	.1131075
b1_3	256	.5235052	0	.5235052	.5235052
v1_3	256	.0231876	0	.0231876	.0231876
se1_3	256	.1522747	0	.1522747	.1522747
b2_1	256	1.287311	0	1.287311	1.287311
v2_1	256	.0122162	0	.0122162	.0122162
se2_1	256	.1105269	0	.1105269	.1105269
b2_2	256	.8268032	0	.8268032	.8268032
v2_2	256	.012711	0	.012711	.012711
se2_2	256	.1127428	0	.1127428	.1127428
b2_3	256	.3419397	0	.3419397	.3419397
v2_3	256	.0479179	0	.0479179	.0479179
se2_3	256	.2189016	0	.2189016	.2189016
b2_4	256	.3457199	0	.3457199	.3457199
v2_4	256	.0899082	0	.0899082	.0899082
se2_4	256	.2998469	0	.2998469	.2998469
mj	256	5	0	5	5

(255 observations deleted)  
 file ... \temp5.dta saved  
 (National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)  
 (15070 observations deleted)  
 imputation is 6  
 tab before contract  
 make categorical edu  
 (1507 differences between m3\_yrsedu and m3\_edu4)  
 (1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

program4--table 7.log

RECODE of f3_yrse (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrse (w3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00
Total	1,507	100.00	

edu\_endog  
(64 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of  
m3\_yrse

(w3 - Years of Edu)	RECODE of f3_yrse <u>du</u> (w3 - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physat <u>t</u> 2 3 4 5			
	2	.25 1	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse <u>du</u> (w3 - Years of Edu)	RECODE of f3_yrse <u>du</u> (w3 - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv	RECODE of f3_physat <u>t</u>
---	------------------------------

eness)	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_ysedu (w3 - Years of Edu)	RECODE of f3_ysedu (w3 - Years of Edu)	1	2	3	4
1	0	0	0	0	0
2	.375	0	0	0	0
3	.375	.375	0	0	0
4	.375	.375	.375	0	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.375	.375	.375	
3	0	0	.375	.375	
4	0	0	0	.375	
5	0	0	0	0	

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:

program4--table 7.log

0.000

nr	Effect	Coeff
s.e.		
1	count edu_endog	1.284**
0.111		
2	physatt_endog	0.831**
0.113		
3	exchange	0.524**
0.152		
4	f3_edu4	0.345
0.343		
5		-0.403
0.380		
6		-0.830
0.438		
7	m3_edu4	-0.483
0.320		
8		-1.080**
0.357		
9		-2.063**
0.484		
10	m3_physatt4	1.036**
0.257		
11		0.475
0.272		
12		-1.168**
0.358		
13	f3_physatt4	1.077**
0.311		
14		0.905**
0.316		
15		0.151
0.350		
16	f3_edu4.f3_physatt4	0.499
0.413		
17		0.628
0.417		
18		0.350
0.453		
19		1.182**
0.445		
20		1.387**
0.448		
21		1.655**
0.482		
22		0.498
0.504		
23		1.194*
0.506		
24		1.380*

program4--table 7.log

0.551		
	m3_edu4.m3_physatt4	
25	2.3	1.262**
0.377		
26	2.4	1.196**
0.391		
27	2.5	1.197*
0.478		
28	3.3	1.396**
0.408		
29	3.4	1.612**
0.424		
30	3.5	2.007**
0.506		
31	4.3	1.097*
0.531		
32	4.4	1.840**
0.543		
33	4.5	2.708**
0.622		
34	__cons	-0.797*
0.317		
	lnalpha	
35	__cons	-1.678**
0.260		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----
Model   Obs ll(null) ll(model) df AIC BIC
-----+-----
.   256 -685.5581 -512.0876 35 1094.175 1218.256
-----

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]						
count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.2835669	.83142716	.52424082	.34483508	-.40320309	-.8298485
	-.48280998					
count:	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-1.0801127	-2.0628677	1.0361378	.47505766	-1.1676275	1.077102
	.90527653					
count:	count:	count:	count:	count:	count:	count:
	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.15078811	.49870722	.6277218	.3499908	1.1822664	1.3869264
	1.6551708					
count:	count:	count:	count:	count:	count:	count:

```

program4--table 7.log
_x_28      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
y1      .49790584    1.1942859    1.3800248    1.2624619    1.1962677    1.196762
1.3960933

lnalpha:      count:      count:      count:      count:      count:      count:
_x_29      _x_30      _x_31      _x_32      _x_33      _cons
_cons      y1      1.6118752    2.0074987    1.0974187    1.8398698    2.7084597    -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-511.416
LR chi square:
348.284
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

```

-----
nr Effect      Coeff
s.e.
-----
count
edu_endog
1      1      1.288**
0.110
physatt_endog
2      1      0.826**
0.113
exchange
3      1      0.342
0.219
exchange_trad
4      1      0.347
0.300
f3_edu4
5      2      0.383
0.345
6      3      -0.317
0.386
7      4      -0.701
0.450

```



program4--table 7.log

8	m3_edu4	2	-0.512
0.319			
9		3	-1.152**
0.361			
10		4	-2.182**
0.495			
11	m3_physatt4	3	1.060**
0.257			
12		4	0.539
0.276			
13		5	-1.057**
0.369			
14	f3_physatt4	3	1.067**
0.311			
15		4	0.853**
0.319			
16		5	0.051
0.360			
17	f3_edu4.f3_physatt4	2.3	0.485
0.412			
18		2.4	0.614
0.417			
19		2.5	0.356
0.453			
20		3.3	1.154**
0.444			
21		3.4	1.358**
0.448			
22		3.5	1.651**
0.481			
23		4.3	0.449
0.504			
24		4.4	1.156*
0.505			
25		4.5	1.368*
0.549			
26	m3_edu4.m3_physatt4	2.3	1.261**
0.376			
27		2.4	1.187**
0.389			
28		2.5	1.173*
0.477			
29		3.3	1.399**
0.407			
30		3.4	1.610**
0.423			
31		3.5	1.989**
0.505			
32		4.3	1.124*
0.532			
33		4.4	1.858**
0.543			
34		4.5	2.707**
0.621			
35	_cons		-0.801*
0.317			
36	lnalpha		-1.693**
	_cons		

0.262

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-511.4162	36	1094.832	1222.459

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7	y1 1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
	-.70057628					
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14	y1 -.51246176	-1.1522909	-2.1818285	1.0595526	.53887233	-1.0568527
	1.0671873					
	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21	y1 .85316161	.05059706	.48482057	.61413636	.35622712	1.1543595
	1.3581879					
	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28	y1 1.6514516	.44854081	1.1557711	1.3681039	1.2612439	1.1865654
	1.1730328					
	_x_29	_x_30	_x_31	_x_32	_x_33	_x_34
_cons	y1 1.3986278	1.6099619	1.9890668	1.1235832	1.857929	2.7070567
	-.80114569					

lnalpha:  
 \_cons  
 y1 -1.692648

Contains data from ...\\temp\_mim.dta  
 obs: 256  
 Adolescent

National Longitudinal Study of  
 Health (Add Health), 1994-2008: wave

I  
 vars: 22  
 size: 22,528  
 2 Sep 2014 16:33

program4--table 7.log

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	6	0	6	6

(255 observations deleted)

file ... \temp6.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)  
 imputation is 7  
 tab before contract  
 make categorical edu  
 (1507 differences between m3\_yrsedu and m3\_edu4)  
 (1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	288	19.11	19.11
2	586	38.89	58.00
3	466	30.92	88.92
4	167	11.08	100.00
Total	1,507	100.00	

edu\_endog  
 (64 real changes made)

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
 (64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0

3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	.25	.25	.25	.25
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25

RECODE of m3_physat (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25
5	.25	.25	.25	.25

exchange  
(72 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse (w3 - Years of Edu)			
	1	2	3	4
1	.375	.375	.375	.375
2	.375	.375	.375	.375
3	.375	.375	.375	.375
4	.375	.375	.375	.375

program4--table 7.log

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

```
-----
```

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

```
-----
```

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

```
-----
```

```
-----
```

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

```
-----
```

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

```
-----
```

Negative binomial regression

```
-----
```

```
-----
```

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.569  
Log likelihood:  
-512.216  
LR chi square:

program4--table 7.log

346.707  
 Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.253  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count edu_endog	0.111	1.283**
2	physatt_endog	0.113	0.833**
3	exchange	0.152	0.524**
4	f3_edu4	0.344	0.345
5	3	0.381	-0.403
6	4	0.438	-0.829
7	m3_edu4	0.320	-0.482
8	3	0.358	-1.080**
9	4	0.484	-2.063**
10	m3_physatt4	0.257	1.040**
11	4	0.272	0.475
12	5	0.358	-1.168**
13	f3_physatt4	0.312	1.076**
14	4	0.316	0.905**
15	5	0.350	0.151
16	f3_edu4.f3_physatt4	0.413	0.503
17	2.3	0.418	0.628
18	2.4	0.454	0.350
19	2.5	0.445	1.183**
20	3.3		1.387**
	3.4		

program4--table 7.log

0.449		
21	3.5	1.655**
0.483		
22	4.3	0.498
0.505		
23	4.4	1.194*
0.507		
24	4.5	1.379*
0.551		
	m3_edu4.m3_physatt4	
25	2.3	1.258**
0.378		
26	2.4	1.196**
0.391		
27	2.5	1.197*
0.479		
28	3.3	1.392**
0.409		
29	3.4	1.611**
0.425		
30	3.5	2.007**
0.507		
31	4.3	1.093*
0.532		
32	4.4	1.840**
0.543		
33	4.5	2.709**
0.622		
34	_cons	-0.798*
0.318		
	lnalpha	
35	_cons	-1.672**
0.259		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

	Model	Obs	ll(null)	ll(model)	df	AIC	BIC
	.	256	-685.5694	-512.2159	35	1094.432	1218.513

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.2829572	.83290123	.52424857	.34519725	-.40286344	-.82925756
-.48247281						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-1.07963	-2.0627806	1.040155	.47477722	-1.1681575	1.0762137
.90472578						
count:	count:	count:	count:	count:	count:	count:



program4--table 7.log

count:                    \_x\_15            \_x\_16            \_x\_17            \_x\_18            \_x\_19            \_x\_20  
 \_x\_21  
 y1    .15106378    .50317863    .62805925    .34960612    1.1832173    1.3868825  
 1.6548281

count:                    count:            count:            count:            count:            count:            count:  
           \_x\_22            \_x\_23            \_x\_24            \_x\_25            \_x\_26            \_x\_27  
 \_x\_28  
 y1    .49842157    1.194158    1.3793146    1.2576792    1.1961677    1.1966964  
 1.3915325

lnalpha:                  count:            count:            count:            count:            count:            count:  
           \_x\_29            \_x\_30            \_x\_31            \_x\_32            \_x\_33            \_cons  
 \_cons  
 y1    1.6114099    2.0073525    1.0930667    1.8397262    2.7087357    -.79799094  
 -1.6716091  
 nbreg, with gender-stereotypical exchange term

-----  
 Negative binomial regression  
 -----

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -685.569  
 Log likelihood:  
 -511.540  
 LR chi square:  
 348.059  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:  
 0.254  
 Dispersion:  
 mean  
 Prob:  
 0.000  
 -----

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog		1.288**
2	physatt_endog		0.827**
3	exchange		0.341
4	exchange_trad		0.349

program4--table 7.log

0.300		
5	f3_educ	0.384
0.346	2	
6	3	-0.316
0.387		
7	4	-0.699
0.450		
8	m3_educ	-0.512
0.320	2	
9	3	-1.152**
0.362		
10	4	-2.182**
0.496		
11	m3_physatt4	1.064**
0.257	3	
12	4	0.539
0.277		
13	5	-1.057**
0.369		
14	f3_physatt4	1.066**
0.311	3	
15	4	0.852**
0.319		
16	5	0.050
0.361		
17	f3_educ.f3_physatt4	0.489
0.412	2.3	
18	2.4	0.614
0.417		
19	2.5	0.356
0.453		
20	3.3	1.155**
0.445		
21	3.4	1.358**
0.448		
22	3.5	1.651**
0.482		
23	4.3	0.449
0.504		
24	4.4	1.156*
0.506		
25	4.5	1.367*
0.549		
26	m3_educ.m3_physatt4	1.256**
0.376	2.3	
27	2.4	1.186**
0.390		
28	2.5	1.173*
0.478		
29	3.3	1.394**
0.407		
30	3.4	1.609**
0.423		
31	3.5	1.989**
0.506		
32	4.3	1.119*
0.532		

program4--table 7.log

```

33      4.4                                1.858**
0.544
34      4.5                                2.707**
0.621
35      _cons                              -0.802*
0.317
      lnalpha
36      _cons                              -1.687**
0.261

```

```

* p < .05
** p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5694	-511.5399	36	1095.08	1222.706

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,36]
count:      count:      count:      count:      count:      count:
      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.2875974  .82739929  .34092984  .34911278  .38407511  -.31640246
-.69943947

count:      count:      count:      count:      count:      count:
      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.51227609 -1.1521845 -2.1823243  1.0637149  .53895537 -1.0567643
1.0661988

count:      count:      count:      count:      count:      count:
      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  .85232507  .05034964  .4891276  .61437552  .35583207  1.1552494
1.3580364

count:      count:      count:      count:      count:      count:
      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  1.6511032  .44893449  1.1555967  1.3674395  1.2564821  1.1864184
1.1728341

count:      count:      count:      count:      count:      count:
      _x_29     _x_30     _x_31     _x_32     _x_33     _x_34
_cons
y1  1.3940917  1.6094716  1.9888399  1.119352  1.8578118  2.7072763
-.80168812

      lnalpha:
      _cons
y1  -1.686703

```

program4--table 7.log

Contains data from ...\\temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 22  
size: 22,528

2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.282957	0	1.282957	1.282957
v1_1	256	.012336	0	.012336	.012336
se1_1	256	.1110675	0	.1110675	.1110675
b1_2	256	.8329012	0	.8329012	.8329012
v1_2	256	.0128223	0	.0128223	.0128223
se1_2	256	.1132356	0	.1132356	.1132356
b1_3	256	.5242485	0	.5242485	.5242485
v1_3	256	.0232329	0	.0232329	.0232329
se1_3	256	.1524233	0	.1524233	.1524233
b2_1	256	1.287597	0	1.287597	1.287597
v2_1	256	.0122443	0	.0122443	.0122443
se2_1	256	.110654	0	.110654	.110654
b2_2	256	.8273993	0	.8273993	.8273993
v2_2	256	.0127372	0	.0127372	.0127372
se2_2	256	.112859	0	.112859	.112859
b2_3	256	.3409298	0	.3409298	.3409298
v2_3	256	.0479982	0	.0479982	.0479982
se2_3	256	.2190848	0	.2190848	.2190848

```

                                program4--table 7.log
    b2_4 |      256      .3491128      0      .3491128      .3491128
    v2_4 |      256      .0900746      0      .0900746      .0900746
-----+-----
    se2_4 |      256      .3001244      0      .3001244      .3001244
    mj    |      256              7      0              7              7

```

(255 observations deleted)

file ...\\temp7.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

(15070 observations deleted)

imputation is 8

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

```

    RECODE of |
    f3_yrsedu |
    (w3 - Years |
    of Edu) |
            Freq.      Percent      Cum.
-----+-----
    1 |      242      16.06      16.06
    2 |      537      35.63      51.69
    3 |      531      35.24      86.93
    4 |      197      13.07      100.00
-----+-----
    Total |      1,507      100.00

```

-> tabulation of m3\_edu4

```

    RECODE of |
    m3_yrsedu |
    (w3 - Years |
    of Edu) |
            Freq.      Percent      Cum.
-----+-----
    1 |      287      19.04      19.04
    2 |      587      38.95      58.00
    3 |      466      30.92      88.92
    4 |      167      11.08      100.00
-----+-----
    Total |      1,507      100.00

```

edu\_endog

(64 real changes made)

```

-----+-----
    RECODE of |
    m3_yrsedu |
    (w3 - Years |
    of Edu) |
    RECODE of f3_yrsedu (w3
    - Years of Edu) |
            1      2      3      4
-----+-----
    1 |      1      0      0      0
    2 |      0      1      0      0
    3 |      0      0      1      0
    4 |      0      0      0      1
-----+-----

```

physatt\_endog

(64 real changes made)

```

-----+-----
    RECODE of |
    m3_physat |

```

program4--table 7.log

t (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	.25	.25	.25	.25
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25

RECODE of m3_physatt (w3 - Interviewer-rated physical attractiveness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25
5	.25	.25	.25	.25

exchange  
(72 real changes made)

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
---	---	--	--	--

Edu)	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:

program4--table 7.log

```

m1
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-512.088
LR chi square:
346.941
Model degrees of freedom:
33
Pseudo R-squared:
0.253
Dispersion:
mean
Prob:
0.000

```

---

nr	Effect	Coeff
s.e.		
<hr/>		
	count	
	edu_endog	
1	1	1.284**
0.111		
	physatt_endog	
2	1	0.831**
0.113		
	exchange	
3	1	0.524**
0.152		
	f3_edu4	
4	2	0.345
0.343		
5	3	-0.403
0.380		
6	4	-0.830
0.438		
	m3_edu4	
7	2	-0.483
0.320		
8	3	-1.080**
0.357		
9	4	-2.063**
0.484		
	m3_physatt4	
10	3	1.036**
0.257		
11	4	0.475
0.272		
12	5	-1.168**
0.358		
	f3_physatt4	
13	3	1.077**
0.311		
14	4	0.905**
0.316		
15	5	0.151
0.350		
	f3_edu4.f3_physatt4	
16	2.3	0.499



program4--table 7.log

0.413			
17	2.4		0.628
0.417			
18	2.5		0.350
0.453			
19	3.3		1.182**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.380*
0.551			
	m3_edu4.m3_physatt4		
25	2.3		1.262**
0.377			
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			
28	3.3		1.396**
0.408			
29	3.4		1.612**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.840**
0.543			
33	4.5		2.708**
0.622			
34	_cons		-0.797*
0.317			
	lnalpha		
35	_cons		-1.678**
0.260			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]						
count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.2835669	.83142716	.52424082	.34483508	-.40320309	-.8298485
	-.48280998					

```

program4--table 7.log
count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
_x_14
y1 -1.0801127 -2.0628677 1.0361378 .47505766 -1.1676275 1.077102
.90527653

count:      count:      count:      count:      count:      count:      count:
count:      _x_15      _x_16      _x_17      _x_18      _x_19      _x_20
_x_21
y1 .15078811 .49870722 .6277218 .3499908 1.1822664 1.3869264
1.6551708

count:      count:      count:      count:      count:      count:      count:
count:      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1 .49790584 1.1942859 1.3800248 1.2624619 1.1962677 1.196762
1.3960933

lnalpha:    count:      count:      count:      count:      count:      count:
count:      _x_29      _x_30      _x_31      _x_32      _x_33      _cons
_cons
y1 1.6118752 2.0074987 1.0974187 1.8398698 2.7084597 -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-511.416
LR chi square:
348.284
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

```

-----
nr Effect      Coeff
s.e.
-----
count
edu_endog
1 1 1.288**
0.110

```

program4--table 7.log

2	physatt_endog		
0.113	1		0.826**
	exchange		
3	1		0.342
0.219			
	exchange_trad		
4	1		0.347
0.300			
	f3_edu4		
5	2		0.383
0.345			
6	3		-0.317
0.386			
7	4		-0.701
0.450			
	m3_edu4		
8	2		-0.512
0.319			
9	3		-1.152**
0.361			
10	4		-2.182**
0.495			
	m3_physatt4		
11	3		1.060**
0.257			
12	4		0.539
0.276			
13	5		-1.057**
0.369			
	f3_physatt4		
14	3		1.067**
0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
	f3_edu4.f3_physatt4		
17	2.3		0.485
0.412			
18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.154**
0.444			
21	3.4		1.358**
0.448			
22	3.5		1.651**
0.481			
23	4.3		0.449
0.504			
24	4.4		1.156*
0.505			
25	4.5		1.368*
0.549			
	m3_edu4.m3_physatt4		
26	2.3		1.261**
0.376			
27	2.4		1.187**
0.389			
28	2.5		1.173*
0.477			

program4--table 7.log

29	3.3		1.399**
0.407			
30	3.4		1.610**
0.423			
31	3.5		1.989**
0.505			
32	4.3		1.124*
0.532			
33	4.4		1.858**
0.543			
34	4.5		2.707**
0.621			
35	_cons		-0.801*
0.317			
	lnalpha		
36	_cons		-1.693**
0.262			

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-511.4162	36	1094.832	1222.459

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]

count:	count:	count:	count:	count:	count:
count:	count:	count:	count:	count:	count:
_x_7	_x_1	_x_2	_x_3	_x_4	_x_5
y1	1.288172	.82597143	.34178865	.34743398	.38348809
	-.70057628				-.3171341

count:	count:	count:	count:	count:	count:
count:	count:	count:	count:	count:	count:
_x_14	_x_8	_x_9	_x_10	_x_11	_x_12
y1	-.51246176	-1.1522909	-2.1818285	1.0595526	.53887233
	1.0671873				-1.0568527

count:	count:	count:	count:	count:	count:
count:	count:	count:	count:	count:	count:
_x_21	_x_15	_x_16	_x_17	_x_18	_x_19
y1	.85316161	.05059706	.48482057	.61413636	.35622712
	1.3581879				1.1543595

count:	count:	count:	count:	count:	count:
count:	count:	count:	count:	count:	count:
_x_28	_x_22	_x_23	_x_24	_x_25	_x_26
y1	1.6514516	.44854081	1.1557711	1.3681039	1.2612439
	1.1730328				1.1865654

count:	count:	count:	count:	count:	count:
count:	count:	count:	count:	count:	count:
	_x_29	_x_30	_x_31	_x_32	_x_33
					_x_34

program4--table 7.log

\_cons  
y1 1.3986278 1.6099619 1.9890668 1.1235832 1.857929 2.7070567  
-.80114569

lnalpha:  
\_cons  
y1 -1.692648

Contains data from ...\\temp\_mim.dta  
obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave  
2 Sep 2014 16:33

I  
vars: 22  
size: 22,528

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988

```

program4--table 7.log

```

se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
-----					
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
-----					
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	8	0	8	8

(255 observations deleted)

file ...\\temp8.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 9

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
-----			
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (w3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00
-----			
Total	1,507	100.00	

edu\_endog

(64 real changes made)

RECODE of m3_yrsedu (w3 - Years of Edu)	RECODE of f3_yrsedu (w3 - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0

4 | 0 0 0 1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse du (w3 - Years of Edu)	RECODE of f3_yrse du (w3 - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)  
Page 200



program4--table 7.log

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
	count		
	edu_endog		
1	1		1.284**
0.111			
	physatt_endog		
2	1		0.831**
0.113			
	exchange		
3	1		0.524**
0.152			
	f3_edu4		
4	2		0.345
0.343			
5	3		-0.403
0.380			
6	4		-0.830
0.438			
	m3_edu4		
7	2		-0.483
0.320			
8	3		-1.080**
0.357			
9	4		-2.063**
0.484			
	m3_physatt4		
10	3		1.036**
0.257			
11	4		0.475
0.272			
12	5		-1.168**
0.358			
	f3_physatt4		

program4--table 7.log

13	3		1.077**
0.311			
14	4		0.905**
0.316			
15	5		0.151
0.350			
		f3_edu4.f3_physatt4	
16	2.3		0.499
0.413			
17	2.4		0.628
0.417			
18	2.5		0.350
0.453			
19	3.3		1.182**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.380*
0.551			
		m3_edu4.m3_physatt4	
25	2.3		1.262**
0.377			
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			
28	3.3		1.396**
0.408			
29	3.4		1.612**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.840**
0.543			
33	4.5		2.708**
0.622			
34	__cons		-0.797*
0.317			
		lnalpha	
35	__cons		-1.678**
0.260			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

program4--table 7.log

```

b1[1,35]
count:      count:      count:      count:      count:      count:
      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.2835669  .83142716  .52424082  .34483508  -.40320309  -.8298485
-.48280998

count:      count:      count:      count:      count:      count:
      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1 -1.0801127 -2.0628677  1.0361378  .47505766 -1.1676275  1.077102
.90527653

count:      count:      count:      count:      count:      count:
      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  .15078811  .49870722  .6277218  .3499908  1.1822664  1.3869264
1.6551708

count:      count:      count:      count:      count:      count:
      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  .49790584  1.1942859  1.3800248  1.2624619  1.1962677  1.196762
1.3960933

lnalpha:    count:      count:      count:      count:      count:      count:
      _x_29     _x_30     _x_31     _x_32     _x_33     _cons
_cons
y1  1.6118752  2.0074987  1.0974187  1.8398698  2.7084597  -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-511.416
LR chi square:
348.284
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

program4--table 7.log

nr	Effect	s.e.	Coeff
-----			
	count		
1	edu_endog	1	1.288**
0.110			
2	physatt_endog	1	0.826**
0.113			
3	exchange	1	0.342
0.219			
4	exchange_trad	1	0.347
0.300			
5	f3_edu4	2	0.383
0.345			
6		3	-0.317
0.386			
7		4	-0.701
0.450			
8	m3_edu4	2	-0.512
0.319			
9		3	-1.152**
0.361			
10		4	-2.182**
0.495			
11	m3_physatt4	3	1.060**
0.257			
12		4	0.539
0.276			
13		5	-1.057**
0.369			
14	f3_physatt4	3	1.067**
0.311			
15		4	0.853**
0.319			
16		5	0.051
0.360			
17	f3_edu4.f3_physatt4	2.3	0.485
0.412			
18		2.4	0.614
0.417			
19		2.5	0.356
0.453			
20		3.3	1.154**
0.444			
21		3.4	1.358**
0.448			
22		3.5	1.651**
0.481			
23		4.3	0.449
0.504			
24		4.4	1.156*
0.505			
25		4.5	1.368*

program4--table 7.log

0.549		
	m3_edu4.m3_physatt4	
26	2.3	1.261**
0.376		
27	2.4	1.187**
0.389		
28	2.5	1.173*
0.477		
29	3.3	1.399**
0.407		
30	3.4	1.610**
0.423		
31	3.5	1.989**
0.505		
32	4.3	1.124*
0.532		
33	4.4	1.858**
0.543		
34	4.5	2.707**
0.621		
35	_cons	-0.801*
0.317		
	lnalpha	
36	_cons	-1.693**
0.262		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----
Model   Obs ll(null) ll(model) df AIC BIC
-----+-----
.   256 -685.5581 -511.4162 36 1094.832 1222.459
-----

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]						
count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
	-.70057628					
count:	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.51246176	-1.1522909	-2.1818285	1.0595526	.53887233	-1.0568527
	1.0671873					
count:	count:	count:	count:	count:	count:	count:
	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.85316161	.05059706	.48482057	.61413636	.35622712	1.1543595
	1.3581879					
count:	count:	count:	count:	count:	count:	count:

program4--table 7.log

```

_x_28      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
y1  1.6514516  .44854081  1.1557711  1.3681039  1.2612439  1.1865654
1.1730328

count:      count:      count:      count:      count:      count:      count:
_x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  1.3986278  1.6099619  1.9890668  1.1235832  1.857929  2.7070567
-.80114569

lnalpha:
_cons
y1  -1.692648

```

Contains data from ... \temp\_mim.dta  
 obs: 256  
 Adolescent

National Longitudinal Study of  
 Health (Add Health), 1994-2008: wave  
 2 Sep 2014 16:33

I  
 vars: 22  
 size: 22,528

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844

program4--table 7.log

se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	9	0	9	9

(255 observations deleted)

file ... \temp9.dta saved

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 10

tab before contract

make categorical edu

(1507 differences between m3\_yrsedu and m3\_edu4)

(1507 differences between f3\_yrsedu and f3\_edu4)

-> tabulation of f3\_edu4

RECODE of f3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	242	16.06	16.06
2	537	35.63	51.69
3	531	35.24	86.93
4	197	13.07	100.00
Total	1,507	100.00	

-> tabulation of m3\_edu4

RECODE of m3_yrsedu (W3 - Years of Edu)	Freq.	Percent	Cum.
1	287	19.04	19.04
2	587	38.95	58.00
3	466	30.92	88.92
4	167	11.08	100.00
Total	1,507	100.00	

edu\_endog

(64 real changes made)

-----  
RECODE of |

program4--table 7.log

m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

physatt\_endog  
(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25	.25	.25	.25



	0	1	0	0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

exchange  
(72 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

exchange\_trad--that is, gender-stereotypical exchange (trad=traditional)  
(36 real changes made)

RECODE of m3_yrse (w3 - Years of Edu)	RECODE of f3_yrse - Years of Edu)			
	1	2	3	4
1	0	0	0	0
2	.375	0	0	0
3	.375	.375	0	0
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

eness)	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-685.558  
Log likelihood:  
-512.088  
LR chi square:  
346.941  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.253  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count		
1	edu_endog	0.111	1.284**
2	physatt_endog	0.113	0.831**
3	exchange	0.152	0.524**
4	f3_edu4	0.343	0.345
5		0.380	-0.403
6		0.438	-0.830
7	m3_edu4	0.320	-0.483
8		0.357	-1.080**
9		0.484	-2.063**

program4--table 7.log

10	m3_physatt4		
0.257	3		1.036**
11	4		0.475
0.272			
12	5		-1.168**
0.358			
13	f3_physatt4		
0.311	3		1.077**
14	4		0.905**
0.316			
15	5		0.151
0.350			
16	f3_edu4.f3_physatt4		
0.413	2.3		0.499
17	2.4		0.628
0.417			
18	2.5		0.350
0.453			
19	3.3		1.182**
0.445			
20	3.4		1.387**
0.448			
21	3.5		1.655**
0.482			
22	4.3		0.498
0.504			
23	4.4		1.194*
0.506			
24	4.5		1.380*
0.551			
25	m3_edu4.m3_physatt4		
0.377	2.3		1.262**
26	2.4		1.196**
0.391			
27	2.5		1.197*
0.478			
28	3.3		1.396**
0.408			
29	3.4		1.612**
0.424			
30	3.5		2.007**
0.506			
31	4.3		1.097*
0.531			
32	4.4		1.840**
0.543			
33	4.5		2.708**
0.622			
34	_cons		-0.797*
0.317			
35	lnalpha		
0.260	_cons		-1.678**

-----  
 \* p < .05  
 \*\* p < .01

program4--table 7.log

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-685.5581	-512.0876	35	1094.175	1218.256

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  1.2835669  .83142716  .52424082  .34483508  -.40320309  -.8298485
-.48280998

count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -1.0801127 -2.0628677  1.0361378  .47505766 -1.1676275  1.077102
.90527653

count:      count:      count:      count:      count:      count:
count:      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  .15078811  .49870722  .6277218  .3499908  1.1822664  1.3869264
1.6551708

count:      count:      count:      count:      count:      count:
count:      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  .49790584  1.1942859  1.3800248  1.2624619  1.1962677  1.196762
1.3960933

count:      count:      count:      count:      count:      count:
count:      _x_29     _x_30     _x_31     _x_32     _x_33     _cons
_cons
y1  1.6118752  2.0074987  1.0974187  1.8398698  2.7084597  -.79747141
-1.6775966
nbreg, with gender-stereotypical exchange term

```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-685.558
Log likelihood:
-511.416
LR chi square:
348.284
Model degrees of freedom:
34

```

program4--table 7.log

Pseudo R-squared:

0.254

Dispersion:

mean

Prob:

0.000

-----			
nr	Effect		Coeff
s.e.			
-----			
	count		
	edu_endog		
1	1		1.288**
0.110			
	physatt_endog		
2	1		0.826**
0.113			
	exchange		
3	1		0.342
0.219			
	exchange_trad		
4	1		0.347
0.300			
	f3_edu4		
5	2		0.383
0.345			
6	3		-0.317
0.386			
7	4		-0.701
0.450			
	m3_edu4		
8	2		-0.512
0.319			
9	3		-1.152**
0.361			
10	4		-2.182**
0.495			
	m3_physatt4		
11	3		1.060**
0.257			
12	4		0.539
0.276			
13	5		-1.057**
0.369			
	f3_physatt4		
14	3		1.067**
0.311			
15	4		0.853**
0.319			
16	5		0.051
0.360			
	f3_edu4.f3_physatt4		
17	2.3		0.485
0.412			
18	2.4		0.614
0.417			
19	2.5		0.356
0.453			
20	3.3		1.154**
0.444			
21	3.4		1.358**

program4--table 7.log

0.448		
22	3.5	1.651**
0.481		
23	4.3	0.449
0.504		
24	4.4	1.156*
0.505		
25	4.5	1.368*
0.549		
	m3_edu4.m3_physatt4	
26	2.3	1.261**
0.376		
27	2.4	1.187**
0.389		
28	2.5	1.173*
0.477		
29	3.3	1.399**
0.407		
30	3.4	1.610**
0.423		
31	3.5	1.989**
0.505		
32	4.3	1.124*
0.532		
33	4.4	1.858**
0.543		
34	4.5	2.707**
0.621		
35	_cons	-0.801*
0.317		
	lnalpha	
36	_cons	-1.693**
0.262		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

	Model	Obs	ll(null)	ll(model)	df	AIC	BIC
	.	256	-685.5581	-511.4162	36	1094.832	1222.459

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	1.288172	.82597143	.34178865	.34743398	.38348809	-.3171341
-.70057628						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.51246176	-1.1522909	-2.1818285	1.0595526	.53887233	-1.0568527
1.0671873						
count:	count:	count:	count:	count:	count:	count:

program4--table 7.log

count:                   \_x\_15           \_x\_16           \_x\_17           \_x\_18           \_x\_19           \_x\_20  
\_x\_21  
y1     .85316161     .05059706     .48482057     .61413636     .35622712     1.1543595  
1.3581879

count:                   count:           count:           count:           count:           count:           count:  
\_x\_22           \_x\_23           \_x\_24           \_x\_25           \_x\_26           \_x\_27  
\_x\_28  
y1     1.6514516     .44854081     1.1557711     1.3681039     1.2612439     1.1865654  
1.1730328

count:                   count:           count:           count:           count:           count:           count:  
\_x\_29           \_x\_30           \_x\_31           \_x\_32           \_x\_33           \_x\_34  
\_cons  
y1     1.3986278     1.6099619     1.9890668     1.1235832     1.857929     2.7070567  
-.80114569

lnalpha:  
\_cons  
y1     -1.692648

Contains data from ...\\temp\_mim.dta  
obs:                   256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars:                   22  
size:                   22,528  
2 Sep 2014 16:33

---

variable name	storage type	display format	value label	variable label
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved  
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program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	256	1.283567	0	1.283567	1.283567
v1_1	256	.0122896	0	.0122896	.0122896
se1_1	256	.1108587	0	.1108587	.1108587
b1_2	256	.8314272	0	.8314272	.8314272
v1_2	256	.0127844	0	.0127844	.0127844
se1_2	256	.1130681	0	.1130681	.1130681
b1_3	256	.5242408	0	.5242408	.5242408
v1_3	256	.0231702	0	.0231702	.0231702
se1_3	256	.1522176	0	.1522176	.1522176
b2_1	256	1.288172	0	1.288172	1.288172
v2_1	256	.0121988	0	.0121988	.0121988
se2_1	256	.1104482	0	.1104482	.1104482
b2_2	256	.8259714	0	.8259714	.8259714
v2_2	256	.0126999	0	.0126999	.0126999
se2_2	256	.1126937	0	.1126937	.1126937
b2_3	256	.3417886	0	.3417886	.3417886
v2_3	256	.0478741	0	.0478741	.0478741
se2_3	256	.2188015	0	.2188015	.2188015
b2_4	256	.347434	0	.347434	.347434
v2_4	256	.0898283	0	.0898283	.0898283
se2_4	256	.2997137	0	.2997137	.2997137
mj	256	10	0	10	10

(255 observations deleted)  
file ...\temp10.dta saved

```
. *** see Rubin, D.B. (1987) Multiple Imputation for Nonresponse in Surveys. J Wiley
& Sons
> , NY ***;
. *** also see sites.stat.psu.edu/~jls/mifaq.html#howto ***;
. use "...\temp1", clear ;
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

. forvalues i=2/10 { ;
2. append using "...\temp`i'" ;
3. } ;

. ** p-values for model without gender-stereotypical term **;
. forvalues j=1/3 { ;
2. * we need to average the coef estimates *;
. egen avg_b`j'=mean(b1_`j') ;
3. * we need to average the within-imputation variance *;
. egen wi_v`j'=mean(v1_`j') ;
4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b1_`j') ;
5. gen bi_var`j' = (bi_sd`j')^2 ;
6. * calculate total variance *;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance *;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
7. sum b1_`j' avg_b`j' v1_`j' var_b`j' ;
8. display "p-value for b1_`j'" ;
9. gen abv_avg_b`j'=abs(avg_b`j') ;
10. display (1-normal(abv_avg_b`j'/sqrt(var_b`j')))*2 ;
11. } ;
```



program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	10	1.283362	.0003345	1.282741	1.283567
avg_b1	10	1.283362	0	1.283362	1.283362
v1_1	10	.0123004	.0000193	.0122896	.012336
var_b1	10	.0123005	0	.0123005	.0123005

p-value for b1\_1  
0

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_2	10	.8317974	.0006275	.8314272	.8329012
avg_b2	10	.8317974	0	.8317974	.8317974
v1_2	10	.0127929	.0000158	.0127844	.0128223
var_b2	10	.0127933	0	.0127933	.0127933

p-value for b1\_2  
1.923e-13

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_3	10	.5241688	.0002332	.5235052	.5242485
avg_b3	10	.5241688	0	.5241688	.5241688
v1_3	10	.0231845	.0000261	.0231702	.0232329
var_b3	10	.0231845	0	.0231845	.0231845

p-value for b1\_3  
.0005764

```
. drop avg_* wi_* bi_* var_* abv_* ;

. ** p-values for model with gender-stereotypical term **;
. forvalues j=1/4 { ;
2. * we need to average the coef estimates *;
. egen avg_b`j' = mean(b2_`j') ;
3. * we need to average the within-imputation variance *;
. egen wi_v`j' = mean(v2_`j') ;
4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b2_`j') ;
5. gen bi_var`j' = (bi_sd`j')^2 ;
6. * calculate total variance *;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance *;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
7. sum b2_`j' avg_b`j' v2_`j' var_b`j' ;
8. display "p-value for b2_`j'" ;
9. gen abv_avg_b`j' = abs(avg_b`j') ;
10. display (1-normal(abv_avg_b`j'/sqrt(var_b`j')))*2 ;
11. } ;
```

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_1	10	1.287971	.000333	1.287311	1.288172
avg_b1	10	1.287971	0	1.287971	1.287971
v2_1	10	.0122096	.0000191	.0121988	.0122443
var_b1	10	.0122098	0	.0122098	.0122098

p-value for b2\_1  
0

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_2	10	.8263402	.0006155	.8259714	.8273993
avg_b2	10	.8263402	0	.8263402	.8263402
v2_2	10	.0127084	.0000155	.0126999	.0127372

```

                program4--table 7.log
var_b2 |          10      .0127088      0      .0127088      .0127088
p-value for b2_2
2.300e-13

```

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_3	10	.341632	.0003731	.3409298	.3419397
avg_b3	10	.341632	0	.341632	.341632
v2_3	10	.0479033	.0000518	.0478741	.0479982
var_b3	10	.0479035	0	.0479035	.0479035

p-value for b2\_3  
.1185473

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_4	10	.3475983	.0009606	.3457199	.3491128
avg_b4	10	.3475983	0	.3475983	.3475983
v2_4	10	.0898856	.0001027	.0898283	.0900746
var_b4	10	.0898866	0	.0898866	.0898866

p-value for b2\_4  
.24629646

```

. * Average BIC for model w/o gender-trad (gender-stereotypical exchange) term ;
. display (1218.513 + 1218.256 + 1218.256 + 1218.256 + 1218.341 + 1218.256 +
1218.513 + 121
> 8.256 + 1218.256 + 1218.256)/10 ;
1218.3159

```

```

. * Average BIC for model w/ gender-trad term ;
. display (1222.706 + 1222.459 + 1222.459 + 1222.459 + 1222.558 + 1222.459 +
1222.706 + 122
> 2.459 + 1222.459 + 1222.459)/10 ;
1222.5183

```

```

. * Note--lower BIC indicates better fit so this suggests that the model without the
gender

```

```

> -trad (gender-stereotypical exchange) term fits the data better ;

```

```

. ***** Duncan SEI *****;

```

```

. *** not MIM ***;

```

```

. use "...\temp.dta", clear ;

```

```

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

```

```

. egen temp1 = pctlc(f4_seip), p(25) ;

```

```

. egen temp2 = pctlc(f4_seip), p(50) ;

```

```

. egen temp3 = pctlc(f4_seip), p(75) ;

```

```

. gen f4_seipc = 1 if f4_seip < temp1 ;
(1131 missing values generated)

```

```

. replace f4_seipc = 2 if f4_seip >=temp1 & f4_seip <= temp2 ;
(377 real changes made)

```

```

. replace f4_seipc = 3 if f4_seip >=temp2 & f4_seip <= temp3 ;
(377 real changes made)

```

```

. replace f4_seipc = 4 if f4_seip > temp3 & f4_seip ~. ;
(376 real changes made)

```

```

. drop temp* ;

```

```

. sum f4_seipc f4_seip ;

```

program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1505	2.500332	1.118108	1	4
f4_seip	1505	48.6907	8.658614	29.50434	76.53989

. table f4\_seipc, contents(min f4\_seip max f4\_seip) ;

f4_seipc	min(f4_seip)	max(f4_seip)
1	29.50434	42.2455
2	42.26461	46.1426
3	46.15088	55.90139
4	55.9077	76.53989

. egen temp1 = pctl(m4\_seip), p(25) ;

. egen temp2 = pctl(m4\_seip), p(50) ;

. egen temp3 = pctl(m4\_seip), p(75) ;

. gen m4\_seipc = 1 if m4\_seip < temp1 ;  
(1133 missing values generated)

. replace m4\_seipc = 2 if m4\_seip >=temp1 & m4\_seip <= temp2 ;  
(374 real changes made)

. replace m4\_seipc = 3 if m4\_seip >=temp2 & m4\_seip <= temp3 ;  
(374 real changes made)

. replace m4\_seipc = 4 if m4\_seip > temp3 & m4\_seip ~. ;  
(374 real changes made)

. drop temp\* ;

. sum m4\_seipc m4\_seip ;

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1496	2.5	1.118408	1	4
m4_seip	1496	33.94443	13.01603	7.269211	75.52292

. table m4\_seipc, contents(min m4\_seip max m4\_seip) ;

m4_seipc	min(m4_seip)	max(m4_seip)
1	7.269211	22.96732
2	23.02007	32.38139
3	32.3849	41.27992
4	41.3065	75.52292

. tab1 f4\_seipc m4\_seipc ;

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.98	24.98
2	376	24.98	49.97

```

                                program4--table 7.log
      3 |          377          25.05          75.02
      4 |          376          24.98          100.00
-----+-----
    Total |          1,505          100.00

```

-> tabulation of m4\_seipc

```

    m4_seipc |          Freq.          Percent          Cum.
-----+-----
          1 |          374          25.00          25.00
          2 |          374          25.00          50.00
          3 |          374          25.00          75.00
          4 |          374          25.00          100.00
-----+-----
    Total |          1,496          100.00

```

```

. * N okay here.
> tab f4_seipc m4_seipc ;
. contract m3_physatt4 f3_physatt4 f4_seipc m4_seipc, freq(count) zero ;

. gen sei_endog = 0 ;

. replace sei_endog = 1 if f4_seipc == m4_seipc ;
(80 real changes made)

. table f4_seipc m4_seipc, contents(mean sei_endog) ;

```

```

-----+-----
f4_seipc |          1          2          3          4
-----+-----
          1 |          1          0          0          0
          2 |          0          1          0          0
          3 |          0          0          1          0
          4 |          0          0          0          1
-----+-----

```

```

. gen physatt_endog = 0 ;

. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;
(100 real changes made)

. table m3_physatt4 f3_physatt4 , contents(mean physatt_endog) ;

```

```

-----+-----
RECODE of |
m3_physat |
t (w3 -   |
Interview |
er-rated  |
physical  |
attractiv |
eness)    |          RECODE of f3_physatt
          |          2          3          4          5
-----+-----
          2 |          1          0          0          0
          3 |          0          1          0          0
          4 |          0          0          1          0
          5 |          0          0          0          1
-----+-----

```

```

. table f4_seipc m4_seipc, contents(mean sei_endog mean physatt_endog) ;

```

program4--table 7.log

f4_seipc	1	m4_seipc		
		2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

```
. table m3_physatt4 f3_physatt4 , contents(mean sei_endog mean physatt_endog) ;
```

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of 2	3	f3_physatt	
			4	5
2	.2 1	.2 0	.2 0	.2 0
3	.2 0	.2 1	.2 0	.2 0
4	.2 0	.2 0	.2 1	.2 0
5	.2 0	.2 0	.2 0	.2 1

```
. gen exchange = 0 ;
```

```
. replace exchange = 1 if ((f4_seipc > m4_seipc) & (f3_physatt4 < m3_physatt4 ))  
> | ((f4_seipc < m4_seipc) & (f3_physatt4 > m3_physatt4 )) ;  
(120 real changes made)
```

```
. table f4_seipc m4_seipc, contents(mean exchange) ;
```

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

```
. table m3_physatt4 f3_physatt4 , contents(mean exchange) ;
```

```
RECODE of |
```

program4--table 7.log

m3_physatt t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.4	.4	.4
3	.4	0	.4	.4
4	.4	.4	0	.4
5	.4	.4	.4	0

. gen exchange\_trad = 0 ;

. replace exchange\_trad = 1 if ((f4\_seipc < m4\_seipc) & (f3\_physatt4 > m3\_physatt4)) ;  
(60 real changes made)

. table f4\_seipc m4\_seipc, contents(mean exchange\_trad) ;

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

. table m3\_physatt4 f3\_physatt4 , contents(mean exchange\_trad) ;

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.4	.4	.4
3	0	0	.4	.4
4	0	0	0	.4
5	0	0	0	0

. display "nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange  
> e)" ;

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

. desmat: nbreg count sei\_endog physatt\_endog exchange f4\_seipc m4\_seipc m3\_physatt4  
f3\_phy  
> satt4 f4\_seipc\*f3\_physatt4 m4\_seipc\*m3\_physatt4 ;

Negative binomial regression

program4--table 7.log

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -711.723  
 Log likelihood:  
 -526.172  
 LR chi square:  
 371.101  
 Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.261  
 Dispersion:  
 mean  
 Prob:  
 0.000

---

nr	Effect	s.e.	Coeff
1	count sei_endog	0.104	1.021**
2	physatt_endog	0.105	0.755**
3	exchange	0.139	0.276*
4	f4_seipc	0.360	-0.863*
5		0.336	-0.617
6		0.351	-0.761*
7	m4_seipc	0.330	-0.262
8		0.351	-0.541
9		0.378	-0.870*
10	m3_physatt4	0.257	1.607**
11		0.265	1.277**
12		0.332	-0.399
13	f3_physatt4	0.258	1.231**
14		0.266	0.884**
15			0.166

program4--table 7.log

0.289		
	f4_seipc.f3_physatt4	
16	2.3	1.000*
0.415		
17	2.4	1.265**
0.419		
18	2.5	0.769
0.453		
19	3.3	0.491
0.395		
20	3.4	1.067**
0.401		
21	3.5	0.876*
0.431		
22	4.3	0.313
0.409		
23	4.4	1.097**
0.417		
24	4.5	1.468**
0.442		
	m4_seipc.m3_physatt4	
25	2.3	0.603
0.379		
26	2.4	0.112
0.393		
27	2.5	0.387
0.471		
28	3.3	0.672
0.397		
29	3.4	0.583
0.408		
30	3.5	0.934
0.482		
31	4.3	0.664
0.420		
32	4.4	0.944*
0.431		
33	4.5	1.549**
0.499		
34	_cons	-0.661*
0.292		
	lnalpha	
35	_cons	-1.832**
0.208		

-----  
 \* p < .05  
 \*\* p < .01

. estat ic ;

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-711.7228	-526.1724	35	1122.345	1246.426

Note: N=Obs used in calculating BIC; see [R] BIC note

. display "nbreg, with gender-stereotypical exchange term" ;  
 nbreg, with gender-stereotypical exchange term



program4--table 7.log

```
. desmat: nbreg count sei_endog physatt_endog exchange exchange_trad f4_seipc  
m4_seipc m3_p  
> hysatt4 f3_physatt4 f4_seipc*f3_physatt4 m4_seipc*m3_physatt4 ;
```

-----  
Negative binomial regression  
-----

-----  
Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-711.723  
Log likelihood:  
-526.166  
LR chi square:  
371.113  
Model degrees of freedom:  
34  
Pseudo R-squared:  
0.261  
Dispersion:  
mean  
Prob:  
0.000  
-----

nr	Effect	s.e.	Coeff
1	count		
1	sei_endog	0.104	1.021**
2	physatt_endog	0.105	0.754**
3	exchange	0.205	0.259
4	exchange_trad	0.276	0.031
5	f4_seipc	0.361	-0.860*
6		0.343	-0.610
7		0.364	-0.750*
8	m4_seipc	0.331	-0.266
9		0.356	-0.547
10		0.388	-0.880*
11	m3_physatt4		1.608**

program4--table 7.log

0.257		
12	4	1.281**
0.268		
13	5	-0.391
0.339		
	f3_physatt4	
14	3	1.230**
0.258		
15	4	0.879**
0.270		
16	5	0.159
0.296		
	f4_seipc.f3_physatt4	
17	2.3	1.000*
0.415		
18	2.4	1.264**
0.419		
19	2.5	0.768
0.453		
20	3.3	0.489
0.396		
21	3.4	1.064**
0.402		
22	3.5	0.874*
0.431		
23	4.3	0.309
0.410		
24	4.4	1.094**
0.418		
25	4.5	1.466**
0.442		
	m4_seipc.m3_physatt4	
26	2.3	0.604
0.379		
27	2.4	0.113
0.393		
28	2.5	0.387
0.471		
29	3.3	0.673
0.397		
30	3.4	0.585
0.408		
31	3.5	0.934
0.482		
32	4.3	0.666
0.420		
33	4.4	0.946*
0.431		
34	4.5	1.549**
0.499		
35	_cons	-0.660*
0.291		
	lnalpha	
36	_cons	-1.833**
0.209		

-----  
 \* p < .05  
 \*\* p < .01

. estat ic ;

program4--table 7.log

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-711.7228	-526.1662	36	1124.332	1251.959

Note: N=Obs used in calculating BIC; see [R] BIC note

```
. *** MIM ***;
. forvalues i = 1/10 { ;
. 2. display "basic model - combines relp duration & union status groups" ;
. 3. use "... \temp_mim.dta", clear ;
. 4. keep if _mj == `i' ;
. 5. display "imputation is `i'" ;
. 6. egen temp1 = pctlile(f4_seip), p(25) ;
. 7. egen temp2 = pctlile(f4_seip), p(50) ;
. 8. egen temp3 = pctlile(f4_seip), p(75) ;
. 9. gen f4_seipc = 1 if f4_seip < temp1 ;
. 10. replace f4_seipc = 2 if f4_seip >=temp1 & f4_seip <= temp2 ;
. 11. replace f4_seipc = 3 if f4_seip >=temp2 & f4_seip <= temp3 ;
. 12. replace f4_seipc = 4 if f4_seip > temp3 & f4_seip ~. ;
. 13. drop temp* ;
. 14. sum f4_seipc f4_seip ;
. 15. table f4_seipc, contents(min f4_seip max f4_seip) ;
. 16. egen temp1 = pctlile(m4_seip), p(25) ;
. 17. egen temp2 = pctlile(m4_seip), p(50) ;
. 18. egen temp3 = pctlile(m4_seip), p(75) ;
. 19. gen m4_seipc = 1 if m4_seip < temp1 ;
. 20. replace m4_seipc = 2 if m4_seip >=temp1 & m4_seip <= temp2 ;
. 21. replace m4_seipc = 3 if m4_seip >=temp2 & m4_seip <= temp3 ;
. 22. replace m4_seipc = 4 if m4_seip > temp3 & m4_seip ~. ;
. 23. drop temp* ;
. 24. sum m4_seipc m4_seip ;
. 25. table m4_seipc, contents(min m4_seip max m4_seip) ;
. 26. tab1 f4_seipc m4_seipc ;
. 27. contract m3_physatt4 f3_physatt4 f4_seipc m4_seipc, freq(count) zero ;
. 28. gen sei_endog = 0 ;
. 29. replace sei_endog = 1 if f4_seipc == m4_seipc ;
. 30. table f4_seipc m4_seipc, contents(mean sei_endog) ;
. 31. gen physatt_endog = 0 ;
. 32. replace physatt_endog = 1 if m3_physatt4 == f3_physatt4 ;
. 33. table m3_physatt4 f3_physatt4 , contents(mean physatt_endog) ;
. 34. table f4_seipc m4_seipc, contents(mean sei_endog mean physatt_endog) ;
. 35. table m3_physatt4 f3_physatt4 , contents(mean sei_endog mean physatt_endog) ;
. 36. gen exchange = 0 ;
. 37. replace exchange = 1 if ((f4_seipc > m4_seipc) & (f3_physatt4 < m3_physatt4 ))
> | ((f4_seipc < m4_seipc) & (f3_physatt4 > m3_physatt4 )) ;
. 38. table f4_seipc m4_seipc, contents(mean exchange) ;
. 39. table m3_physatt4 f3_physatt4 , contents(mean exchange) ;
. 40. gen exchange_trad = 0 ;
. 41. replace exchange_trad = 1 if ((f4_seipc < m4_seipc) & (f3_physatt4 >
m3_physatt4 )) ;
. 42. table f4_seipc m4_seipc, contents(mean exchange_trad) ;
. 43. table m3_physatt4 f3_physatt4 , contents(mean exchange_trad) ;
. 44. display "nbreg, without gender-stereotypical exchange term (only
gender-symmetric exch
> ange)" ;
. 45. desmat: nbreg count sei_endog physatt_endog exchange f4_seipc m4_seipc
m3_physatt4 f3_
> physatt4 f4_seipc*f3_physatt4 m4_seipc*m3_physatt4 ;
. 46. estat ic ;
. 47. * this is the coef matrix *;
. matrix b1=e(b) ;
```

program4--table 7.log

```

48. matrix list b1 ;
49. matrix v1=e(v) ;
50. forvalues j=1/3 { ;
51. gen b1_`j'=b1[1,`j'] ;
52. gen v1_`j'=v1[`j',`j'] ;
53. gen se1_`j'=sqrt(v1_`j') ;
54. } ;
55. display "nbreg, with gender-stereotypical exchange term" ;
56. desmat: nbreg count sei_endog physatt_endog exchange exchange_trad f4_seipc
m4_seipc m
> 3_physatt4 f3_physatt4 f4_seipc*f3_physatt4 m4_seipc*m3_physatt4 ;
57. estat ic ;
58. * this is the coef matrix * ;
. matrix b2=e(b) ;
59. matrix list b2 ;
60. matrix v2=e(v) ;
61. forvalues j=1/4 { ;
62. gen b2_`j'=b2[1,`j'] ;
63. gen v2_`j'=v2[`j',`j'] ;
64. gen se2_`j'=sqrt(v2_`j') ;
65. } ;
66. drop _* ;
67. gen mj=`i' ;
68. keep mj b* v* se* ;
69. des ;
70. sum ;
71. sample 1, count ;
72. save "...temp`i'", replace ;
73. };

```

basic model - combines relp duration & union status groups  
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)  
(15070 observations deleted)

imputation is 1  
(1131 missing values generated)  
(378 real changes made)  
(378 real changes made)  
(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	41.63899	22.27766	-216.4035	76.53989

f4_seipc	min(f4_seip)	max(f4_seip)
1	-216.4035	38.0248
2	38.02883	42.31789
3	42.35524	52.29266
4	52.30354	76.53989

(1131 missing values generated)  
(378 real changes made)  
(378 real changes made)  
(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.00581	16.12554	-72.99061	131.8965

m4_seipc	min(m4_seip)	max(m4_seip)
----------	--------------	--------------

program4--table 7.log

1	-72.99061	32.14566
2	32.17754	40.10349
3	40.11647	51.33149
4	51.3731	131.8965

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physatt (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
	.25	.25	.25	.25

program4--table 7.log

2	0	1	0	0
	.25	.25	.25	.25
3	0	0	1	0
	.25	.25	.25	.25
4	0	0	0	1
	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
	1	0	0	0
3	.25	.25	.25	.25
	0	1	0	0
4	.25	.25	.25	.25
	0	0	1	0
5	.25	.25	.25	.25
	0	0	0	1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

program4--table 7.log

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.375	.375	.375	
3	0	0	.375	.375	
4	0	0	0	.375	
5	0	0	0	0	

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.914  
Log likelihood:  
-522.404  
LR chi square:  
399.020  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.276  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	0.090	0.774**
2	physatt_endog	0.092	0.692**

program4--table 7.log

3	exchange		
0.123	1		0.263*
	f4_seipc		
4	2		0.055
0.310			
5	3		-0.410
0.337			
6	4		-0.613
0.354			
	m4_seipc		
7	2		0.039
0.329			
8	3		0.034
0.328			
9	4		-0.346
0.357			
	m3_physatt4		
10	3		2.009**
0.263			
11	4		1.504**
0.273			
12	5		0.076
0.321			
	f3_physatt4		
13	3		1.564**
0.257			
14	4		1.397**
0.262			
15	5		0.267
0.296			
	f4_seipc.f3_physatt4		
16	2.3		-0.014
0.357			
17	2.4		-0.093
0.361			
18	2.5		0.289
0.400			
19	3.3		0.228
0.381			
20	3.4		0.595
0.385			
21	3.5		0.883*
0.424			
22	4.3		0.103
0.397			
23	4.4		0.728
0.403			
24	4.5		1.534**
0.436			
	m4_seipc.m3_physatt4		
25	2.3		0.005
0.366			
26	2.4		-0.059
0.377			
27	2.5		-0.265
0.454			
28	3.3		-0.089
0.364			
29	3.4		0.084
0.377			
30	3.5		0.096
0.444			



31	4.3	0.109
0.388		
32	4.4	0.404
0.402		
33	4.5	0.852
0.460		
34	_cons	-1.094**
0.315		
	lnalpha	
35	_cons	-2.325**
0.265		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.9139	-522.4041	35	1114.808	1238.889

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	.77409261	.69189143	.2632095	.05472533	-.41028171	-.6125154
.03884533						
count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	.03438909	-.34580423	2.0086692	1.5043699	.07563777	1.564366
1.3966301						
count:	count:	count:	count:	count:	count:	count:
_x_15	_x_16	_x_17	_x_18	_x_19	_x_20	
_x_21						
y1	.26708366	-.01447871	-.09250492	.28898487	.22780923	.59549285
.88261146						
count:	count:	count:	count:	count:	count:	count:
_x_22	_x_23	_x_24	_x_25	_x_26	_x_27	
_x_28						
y1	.10301654	.72809993	1.5344083	.00528393	-.05902983	-.26501285
-.08891027						
lnalpha:	count:	count:	count:	count:	count:	count:
_cons	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
y1	.08381703	.09615986	.1089941	.40439237	.8519855	-1.0936702
-2.3246186						

nbreg, with gender-stereotypical exchange term

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-721.914
Log likelihood:
-522.192
LR chi square:
399.444
Model degrees of freedom:
34
Pseudo R-squared:
0.277
Dispersion:
mean
Prob:
0.000
-----

```

nr	Effect	Coeff
s.e.		
1	count sei_endog	0.775**
0.090	1	
2	physatt_endog	0.690**
0.092	1	
3	exchange	0.176
0.183	1	
4	exchange_trad	0.159
0.244	1	
5	f4_seipc	0.075
0.312	2	
6		-0.373
0.342	3	
7		-0.558
0.363	4	
8	m4_seipc	0.022
0.330	2	
9		0.001
0.332	3	
10		-0.392
0.363	4	
11	m3_physatt4	2.016**
0.263	3	
12		1.532**
0.276	4	
13		0.121
0.328	5	

program4--table 7.log

14	f3_physatt4	3	1.559**
0.257			
15		4	1.369**
0.265			
16		5	0.225
0.303			
17	f4_seipc.f3_physatt4	2.3	-0.022
0.357			
18		2.4	-0.099
0.361			
19		2.5	0.283
0.400			
20		3.3	0.214
0.381			
21		3.4	0.583
0.385			
22		3.5	0.875*
0.424			
23		4.3	0.083
0.398			
24		4.4	0.713
0.403			
25		4.5	1.525**
0.435			
26	m4_seipc.m3_physatt4	2.3	0.008
0.365			
27		2.4	-0.058
0.377			
28		2.5	-0.266
0.454			
29		3.3	-0.082
0.364			
30		3.4	0.091
0.377			
31		3.5	0.097
0.444			
32		4.3	0.120
0.388			
33		4.4	0.412
0.402			
34		4.5	0.851
0.459			
35	_cons		-1.092**
0.315			
36	lnalpha		-2.331**
0.266	_cons		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.9139	-522.1917	36	1116.383	1244.01

Note: N=Obs used in calculating BIC; see [R] BIC note  
 Page 235

program4--table 7.log

```

b2[1,36]
count:      count:      count:      count:      count:      count:
_x_1       _x_2       _x_3       _x_4       _x_5       _x_6
_x_7
y1  .77542669  .68963542  .17557638  .15888292  .07533603  -.3725399
-.55845047

```

```

count:      count:      count:      count:      count:      count:
_x_8       _x_9       _x_10      _x_11      _x_12      _x_13
_x_14
y1  .02231579  .00099386  -.39223908  2.015896   1.5317894  .12080861
1.5589897

```

```

count:      count:      count:      count:      count:      count:
_x_15      _x_16      _x_17      _x_18      _x_19      _x_20
_x_21
y1  1.3687571  .22485263  -.02168844  -.09946686  .28320174  .2139167
.58337438

```

```

count:      count:      count:      count:      count:      count:
_x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1  .87451878  .08260056  .71325429  1.5254322  .00804002  -.05793142
-.26597816

```

```

count:      count:      count:      count:      count:      count:
_x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  -.08172481  .09056506  .09676978  .11992233  .4119646   .85097831
-1.0924608

```

```

lalpha:
_cons
y1  -2.3306467

```

```

Contains data from ...\\temp_mim.dta
obs:      256
Adolescent

```

```

National Longitudinal Study of
Health (Add Health), 1994-2008: wave
2 Sep 2014 16:33

```

```

I
vars:      23
size:      22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		

---

program4--table 7.log

```

se1_3      float    %9.0g
b2_1       float    %9.0g
v2_1       float    %9.0g
se2_1      float    %9.0g
b2_2       float    %9.0g
v2_2       float    %9.0g
se2_2      float    %9.0g
b2_3       float    %9.0g
v2_3       float    %9.0g
se2_3      float    %9.0g
b2_4       float    %9.0g
v2_4       float    %9.0g
se2_4      float    %9.0g
mj         float    %9.0g
    
```

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.7740926	0	.7740926	.7740926
v1_1	256	.0081552	0	.0081552	.0081552
se1_1	256	.0903062	0	.0903062	.0903062
b1_2	256	.6918914	0	.6918914	.6918914
v1_2	256	.0084313	0	.0084313	.0084313
se1_2	256	.0918223	0	.0918223	.0918223
b1_3	256	.2632095	0	.2632095	.2632095
v1_3	256	.0151683	0	.0151683	.0151683
se1_3	256	.1231597	0	.1231597	.1231597
b2_1	256	.7754267	0	.7754267	.7754267
v2_1	256	.0081292	0	.0081292	.0081292
se2_1	256	.0901619	0	.0901619	.0901619
b2_2	256	.6896354	0	.6896354	.6896354
v2_2	256	.0084157	0	.0084157	.0084157
se2_2	256	.091737	0	.091737	.091737
b2_3	256	.1755764	0	.1755764	.1755764
v2_3	256	.0333619	0	.0333619	.0333619
se2_3	256	.1826523	0	.1826523	.1826523
b2_4	256	.1588829	0	.1588829	.1588829
v2_4	256	.0594186	0	.0594186	.0594186
se2_4	256	.2437593	0	.2437593	.2437593
mj	256	1	0	1	1

(255 observations deleted)

file ...\temp1.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

(15070 observations deleted)

imputation is 2

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	42.21076	20.58038	-149.9512	76.53989

program4--table 7.log

f4_seipc	min(f4_seip)	max(f4_seip)
1	-149.9512	38.24659
2	38.25305	42.54265
3	42.54378	52.83458
4	52.83464	76.53989

(1131 missing values generated)  
(378 real changes made)  
(378 real changes made)  
(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.97493	19.05309	-153.3403	147.971

m4_seipc	min(m4_seip)	max(m4_seip)
1	-153.3403	32.3372
2	32.36999	40.89529
3	40.9752	53.45792
4	53.47832	147.971

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

program4--table 7.log

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	.25	.25	.25	.25
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375

4 | .375 .375 .375 0

---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

---

(36 real changes made)

---

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

---



---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

---

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

---

Negative binomial regression

---

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.502  
Log likelihood:  
-532.544  
LR chi square:  
377.917



program4--table 7.log

Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.262  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	1	0.622**
2	physatt_endog	1	0.698**
3	exchange	1	0.286*
4	f4_seipc	2	-0.403
5		3	-0.601
6		4	-0.825*
7	m4_seipc	2	0.107
8		3	-0.096
9		4	-0.239
10	m3_physatt4	3	1.996**
11		4	1.517**
12		5	-0.254
13	f3_physatt4	3	1.412**
14		4	1.140**
15		5	-0.076
16	f4_seipc.f3_physatt4	2.3	0.355
17		2.4	0.420
18		2.5	0.935*
19		3.3	0.304
20		3.4	0.820*

program4--table 7.log

21	3.5		1.302**
0.426			
22	4.3		0.304
0.395			
23	4.4		1.013*
0.404			
24	4.5		1.825**
0.443			
	m4_seipc.m3_physatt4		
25	2.3		-0.056
0.368			
26	2.4		-0.121
0.380			
27	2.5		0.174
0.464			
28	3.3		0.108
0.377			
29	3.4		0.112
0.390			
30	3.5		0.410
0.477			
31	4.3		-0.044
0.386			
32	4.4		0.308
0.399			
33	4.5		1.241**
0.471			
34	_cons		-0.832**
0.310			
	lnalpha		
35	_cons		-2.178**
0.250			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.5025	-532.544	35	1135.088	1259.169

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .622155      .69842441      .28626317      -.40341821      -.60105328      -.82532851
.10662516

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
_x_14
y1      -.09561993      -.23942954      1.9959074      1.5165676      -.25385      1.4118066
1.1398124

count:      count:      count:      count:      count:      count:      count:
count:
  
```

program4--table 7.log

	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	-.07647548	.35497935	.42023051	.93511962	.30369049	.81957984
	1.3021189					
count:	count:	count:	count:	count:	count:	count:
	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.30423358	1.0130143	1.8250181	-.05557167	-.12069998	.17363946
	.10786868					
lnalpha:	count:	count:	count:	count:	count:	count:
	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons						
y1	.11179789	.40969978	-.04440792	.30780668	1.2411218	-.83172251
	-2.1776469					

nbreg, with gender-stereotypical exchange term

-----  
 Negative binomial regression  
 -----

Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -721.502  
 Log likelihood:  
 -531.626  
 LR chi square:  
 379.753  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:  
 0.263  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	1	0.625**
2	physatt_endog	1	0.693**
3	exchange	1	0.097
4	exchange_trad	1	0.340

program4--table 7.log

5	f4_seipc	2	-0.361
0.317			
6		3	-0.516
0.335			
7		4	-0.706*
0.358			
8	m4_seipc	2	0.070
0.329			
9		3	-0.166
0.344			
10		4	-0.339
0.358			
11	m3_physatt4	3	2.012**
0.267			
12		4	1.575**
0.278			
13		5	-0.157
0.352			
14	f3_physatt4	3	1.396**
0.246			
15		4	1.078**
0.258			
16		5	-0.172
0.305			
17	f4_seipc.f3_physatt4	2.3	0.344
0.364			
18		2.4	0.406
0.370			
19		2.5	0.928*
0.410			
20		3.3	0.272
0.378			
21		3.4	0.792*
0.383			
22		3.5	1.282**
0.425			
23		4.3	0.261
0.394			
24		4.4	0.979*
0.402			
25		4.5	1.806**
0.441			
26	m4_seipc.m3_physatt4	2.3	-0.049
0.367			
27		2.4	-0.117
0.379			
28		2.5	0.179
0.463			
29		3.3	0.123
0.376			
30		3.4	0.130
0.389			
31		3.5	0.410
0.476			
32		4.3	-0.017
0.386			
33		4.4	0.322

program4--table 7.log

```

0.399
34      4.5                                1.243**
0.470
35      _cons                               -0.829**
0.309
      lnalpha
36      _cons                               -2.204**
0.253

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.5025	-531.6261	36	1135.252	1262.879

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,36]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .6246017      .69287186      .09675821      .33957072      -.36143715      -.51637099
-.70565193

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
_x_14
y1      .07033491      -.16594717      -.33893379      2.0121553      1.5754771      -.15733821
1.3962143

count:      count:      count:      count:      count:      count:      count:
count:      _x_15      _x_16      _x_17      _x_18      _x_19      _x_20
_x_21
y1      1.0778038      -.17186831      .34408019      .40559074      .92807402      .27157927
.79236844

count:      count:      count:      count:      count:      count:      count:
count:      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1      1.281747      .26096257      .97887639      1.8063735      -.04854091      -.11727059
.17914784

count:      count:      count:      count:      count:      count:      count:
count:      _x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1      .12329476      .12975263      .41044629      -.01710746      .32241561      1.2430907
-.82874194

      lnalpha:
      _cons
y1      -2.2040822

```

Contains data from ... \temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 23  
size: 22,784

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.622155	0	.622155	.622155
v1_1	256	.0086437	0	.0086437	.0086437
se1_1	256	.0929716	0	.0929716	.0929716
b1_2	256	.6984244	0	.6984244	.6984244
v1_2	256	.0089391	0	.0089391	.0089391
se1_2	256	.0945467	0	.0945467	.0945467
b1_3	256	.2862632	0	.2862632	.2862632
v1_3	256	.0158038	0	.0158038	.0158038
se1_3	256	.1257131	0	.1257131	.1257131
b2_1	256	.6246017	0	.6246017	.6246017
v2_1	256	.0085143	0	.0085143	.0085143
se2_1	256	.0922732	0	.0922732	.0922732
b2_2	256	.6928719	0	.6928719	.6928719
v2_2	256	.0088353	0	.0088353	.0088353
se2_2	256	.0939963	0	.0939963	.0939963
b2_3	256	.0967582	0	.0967582	.0967582
v2_3	256	.0354777	0	.0354777	.0354777

program4--table 7.log

se2_3	256	.1883554	0	.1883554	.1883554
b2_4	256	.3395707	0	.3395707	.3395707
v2_4	256	.0625795	0	.0625795	.0625795
se2_4	256	.2501589	0	.2501589	.2501589
mj	256	2	0	2	2

(255 observations deleted)

file ... \temp2.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 3

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	40.8544	23.41529	-167.1138	76.53989

f4_seipc	min(f4_seip)	max(f4_seip)
1	-167.1138	37.97325
2	37.97466	42.35333
3	42.35931	51.9738
4	52.01014	76.53989

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	42.99466	16.36799	-56.44919	142.7685

m4_seipc	min(m4_seip)	max(m4_seip)
1	-56.44919	32.53939
2	32.55094	40.62966
3	40.6415	51.33149
4	51.3739	142.7685

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
----------	-------	---------	------

program4--table 7.1og

1	376	24.95	24.95	
2	377	25.02	49.97	
3	378	25.08	75.05	
4	376	24.95	100.00	

Total | 1,507 100.00  
(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1



2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375

```

4 | 0 0 0 .375
5 | 0 0 0 0

```

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-719.710
Log likelihood:
-537.259
LR chi square:
364.901
Model degrees of freedom:
33
Pseudo R-squared:
0.254
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count sei_endog	0.094	0.589**
2	physatt_endog	0.095	0.628**
3	exchange	0.129	0.030
4	f4_seipc	0.311	-0.327
5		0.343	-0.727*
6		0.347	-0.739*
7	m4_seipc	0.323	0.415
8		0.345	0.071
9		0.375	-0.278
10	m3_physatt4	0.273	2.117**
11			1.574**

program4--table 7.log

0.283			
12	5		0.199
0.332			
	f3_physatt4		
13	3		1.404**
0.244			
14	4		1.098**
0.254			
15	5		0.214
0.284			
	f4_seipc.f3_physatt4		
16	2.3		0.354
0.362			
17	2.4		0.482
0.368			
18	2.5		0.452
0.405			
19	3.3		0.429
0.391			
20	3.4		1.017*
0.397			
21	3.5		1.058*
0.431			
22	4.3		0.217
0.395			
23	4.4		0.932*
0.404			
24	4.5		1.456**
0.433			
	m4_seipc.m3_physatt4		
25	2.3		-0.395
0.365			
26	2.4		-0.397
0.377			
27	2.5		-0.391
0.446			
28	3.3		-0.077
0.382			
29	3.4		0.038
0.396			
30	3.5		0.047
0.462			
31	4.3		0.098
0.408			
32	4.4		0.463
0.422			
33	4.5		0.613
0.482			
34	_cons		-0.878**
0.312			
	lnalpha		
35	_cons		-2.118**
0.257			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----	-----	-----	-----	-----	-----	-----
Model		Obs	ll(null)	ll(model)	df	AIC
-----	+	-----	-----	-----	-----	-----

. | 256 -719.7098 -537.2593 35 1144.519 1268.6

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .58885276  .62776674  .030016  -.32748917  -.72736041  -.73894489
.414786

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1      .07105535  -.27828624  2.1168878  1.5735549  .19932629  1.404309
1.0977699

count:      count:      count:      count:      count:      count:      count:
count:      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1      .21378047  .3538829  .48157054  .45223432  .42874842  1.0170476
1.0583797

count:      count:      count:      count:      count:      count:      count:
count:      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1      .21692441  .93199029  1.4563693  -.39535692  -.39709398  -.39094879
-.07678459

lnalpha:   count:      count:      count:      count:      count:      count:
count:      _x_29     _x_30     _x_31     _x_32     _x_33     _cons
_cons
y1      .03842638  .04711703  .09772138  .46279244  .61303591  -.87838126
-2.1181866
nbreg, with gender-stereotypical exchange term
    
```

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-719.710
Log likelihood:
-537.024
LR chi square:
365.372
Model degrees of freedom:
34
Pseudo R-squared:
0.254
Dispersion:
mean
    
```

program4--table 7.log

Prob:  
0.000

-----			
nr	Effect		Coeff
s.e.			
-----			
	count		
	sei_endog		
1	1		0.590**
0.094			
	physatt_endog		
2	1		0.625**
0.095			
	exchange		
3	1		-0.068
0.192			
	exchange_trad		
4	1		0.177
0.257			
	f4_seipc		
5	2		-0.309
0.312			
6	3		-0.688*
0.347			
7	4		-0.681
0.356			
	m4_seipc		
8	2		0.398
0.324			
9	3		0.037
0.348			
10	4		-0.328
0.382			
	m3_physatt4		
11	3		2.125**
0.273			
12	4		1.603**
0.285			
13	5		0.249
0.339			
	f3_physatt4		
14	3		1.396**
0.244			
15	4		1.064**
0.258			
16	5		0.164
0.292			
	f4_seipc.f3_physatt4		
17	2.3		0.351
0.361			
18	2.4		0.479
0.367			
19	2.5		0.452
0.404			
20	3.3		0.415
0.390			
21	3.4		1.007*
0.396			
22	3.5		1.051*
0.430			
23	4.3		0.198

program4--table 7.log

0.396		
24	4.4	0.919*
0.403		
25	4.5	1.449**
0.433		
	m4_seipc.m3_physatt4	
26	2.3	-0.393
0.364		
27	2.4	-0.395
0.376		
28	2.5	-0.393
0.446		
29	3.3	-0.071
0.382		
30	3.4	0.045
0.395		
31	3.5	0.045
0.462		
32	4.3	0.109
0.408		
33	4.4	0.470
0.421		
34	4.5	0.612
0.481		
35	_cons	-0.876**
0.311		
	lnalpha	
36	_cons	-2.131**
0.259		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-719.7098	-537.0238	36	1146.048	1273.674

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7	.59022637	.62475328	-.06763083	.1766594	-.30936154	-.68785908
y1	-.68122567					
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14	.39760082	.0369179	-.32815287	2.1254887	1.6032815	.24939527
y1	1.3956974					
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21	1.0640574	.16448717	.35089049	.4788709	.4520314	.41495888
y1						

program4--table 7.log

1.0070338

```

count:      count:      count:      count:      count:      count:
count:      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1  1.0511017  .19756263  .91874205  1.4487689  -.39309438  -.39514508
-.39266745

```

```

count:      count:      count:      count:      count:      count:
count:      _x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  -.07094885  .0452308  .04543638  .10929747  .47013793  .61249626
-.87562061

```

```

lnalpha:
_cons
y1  -2.1306156

```

Contains data from ...\\temp\_mim.dta  
obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave  
2 Sep 2014 16:33

```

I
vars: 23
size: 22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

---

program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.5888528	0	.5888528	.5888528
v1_1	256	.0088706	0	.0088706	.0088706
se1_1	256	.0941841	0	.0941841	.0941841
b1_2	256	.6277667	0	.6277667	.6277667
-----					
v1_2	256	.0090542	0	.0090542	.0090542
se1_2	256	.0951536	0	.0951536	.0951536
b1_3	256	.030016	0	.030016	.030016
v1_3	256	.0166146	0	.0166146	.0166146
se1_3	256	.1288977	0	.1288977	.1288977
-----					
b2_1	256	.5902264	0	.5902264	.5902264
v2_1	256	.0088083	0	.0088083	.0088083
se2_1	256	.0938524	0	.0938524	.0938524
b2_2	256	.6247533	0	.6247533	.6247533
v2_2	256	.0090114	0	.0090114	.0090114
-----					
se2_2	256	.0949285	0	.0949285	.0949285
b2_3	256	-.0676308	0	-.0676308	-.0676308
v2_3	256	.0369732	0	.0369732	.0369732
se2_3	256	.1922841	0	.1922841	.1922841
b2_4	256	.1766594	0	.1766594	.1766594
-----					
v2_4	256	.0661064	0	.0661064	.0661064
se2_4	256	.2571116	0	.2571116	.2571116
mj	256	3	0	3	3

(255 observations deleted)

file ... \temp3.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 4

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	39.68626	27.83758	-285.4236	76.53989

f4_seipc	min(f4_seip)	max(f4_seip)
1	-285.4236	37.78191
2	37.79156	42.20265
3	42.21246	51.31308
4	51.32186	76.53989

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.14899	17.37417	-217.8024	119.5143

m4_seipc	min(m4_seip)	max(m4_seip)
----------	--------------	--------------



program4--table 7.log

1	-217.8024	32.2179
2	32.23738	40.31795
3	40.32491	51.4994
4	51.52754	119.5143

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
	.25	.25	.25	.25

program4--table 7.log

2	0	1	0	0
	.25	.25	.25	.25
3	0	0	1	0
	.25	.25	.25	.25
4	0	0	0	1
	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
	1	0	0	0
3	.25	.25	.25	.25
	0	1	0	0
4	.25	.25	.25	.25
	0	0	1	0
5	.25	.25	.25	.25
	0	0	0	1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.375	.375	.375	
3	0	0	.375	.375	
4	0	0	0	.375	
5	0	0	0	0	

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-722.044  
Log likelihood:  
-529.807  
LR chi square:  
384.474  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.266  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	0.092	0.603**
2	physatt_endog	0.093	0.668**

program4--table 7.log

3	exchange	1	0.208
0.126			
4	f4_seipc	2	-0.480
0.320			
5		3	-0.479
0.316			
6		4	-0.940**
0.358			
7	m4_seipc	2	-0.456
0.324			
8		3	-0.523
0.326			
9		4	-0.588
0.335			
10	m3_physatt4	3	1.670**
0.239			
11		4	1.154**
0.249			
12		5	-0.497
0.318			
13	f3_physatt4	3	1.374**
0.243			
14		4	1.083**
0.251			
15		5	0.183
0.281			
16	f4_seipc.f3_physatt4	2.3	0.547
0.367			
17		2.4	0.576
0.372			
18		2.5	0.551
0.409			
19		3.3	0.174
0.365			
20		3.4	0.774*
0.370			
21		3.5	0.885*
0.406			
22		4.3	0.435
0.402			
23		4.4	1.179**
0.410			
24		4.5	1.670**
0.440			
25	m4_seipc.m3_physatt4	2.3	0.546
0.362			
26		2.4	0.449
0.375			
27		2.5	0.686
0.455			
28		3.3	0.521
0.363			
29		3.4	0.643
0.377			
30		3.5	0.845
0.459			

31	4.3	0.312
0.370		
32	4.4	0.719
0.384		
33	4.5	1.421**
0.454		
34	_cons	-0.473
0.283		
	lnalpha	
35	_cons	-2.233**
0.253		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-722.0438	-529.8068	35	1129.614	1253.695

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	.60271857	.66813309	.20797811	-.47999124	-.4793657	-.9400587
	-.45639296					
count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	-.52335074	-.58799119	1.670185	1.1540213	-.49695657	1.3742994
	1.0827277					
count:	count:	count:	count:	count:	count:	count:
_x_15	_x_16	_x_17	_x_18	_x_19	_x_20	
_x_21						
y1	.18296826	.54713625	.57579391	.55079137	.17446974	.77416447
	.88516259					
count:	count:	count:	count:	count:	count:	count:
_x_22	_x_23	_x_24	_x_25	_x_26	_x_27	
_x_28						
y1	.43507025	1.1786774	1.6702784	.54642075	.44930504	.68591549
	.52137543					
lnalpha:	count:	count:	count:	count:	count:	count:
_cons	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
y1	.64329352	.84458387	.31175673	.71870849	1.4207561	-.47331926
	-2.2327743					

nbreg, with gender-stereotypical exchange term

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-722.044
Log likelihood:
-529.496
LR chi square:
385.096
Model degrees of freedom:
34
Pseudo R-squared:
0.267
Dispersion:
mean
Prob:
0.000
-----

```

nr	Effect	Coeff
s.e.		
1	count sei_endog	0.605**
0.092	1	
2	physatt_endog	0.665**
0.093	1	
3	exchange	0.099
0.187	1	
4	exchange_trad	0.197
0.249	1	
5	f4_seipc	-0.457
0.321	2	
6		-0.433
0.320	3	
7		-0.871*
0.368	4	
8	m4_seipc	-0.476
0.324	2	
9		-0.562
0.330	3	
10		-0.644
0.342	4	
11	m3_physatt4	1.679**
0.239	3	
12		1.189**
0.253	4	
13		-0.440
0.325	5	

program4--table 7.log

14	f3_physatt4	3	1.366**
0.243			
15		4	1.047**
0.254			
16		5	0.128
0.289			
17	f4_seipc.f3_physatt4	2.3	0.540
0.366			
18		2.4	0.567
0.372			
19		2.5	0.549
0.408			
20		3.3	0.156
0.364			
21		3.4	0.760*
0.370			
22		3.5	0.877*
0.405			
23		4.3	0.409
0.403			
24		4.4	1.158**
0.410			
25		4.5	1.659**
0.440			
26	m4_seipc.m3_physatt4	2.3	0.552
0.362			
27		2.4	0.450
0.375			
28		2.5	0.687
0.455			
29		3.3	0.528
0.363			
30		3.4	0.649
0.376			
31		3.5	0.843
0.458			
32		4.3	0.327
0.370			
33		4.4	0.726
0.383			
34		4.5	1.419**
0.453			
35	_cons		-0.472
0.282			
36	lnalpha		-2.250**
0.256	_cons		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-722.0438	-529.4957	36	1130.991	1258.618

Note: N=Obs used in calculating BIC; see [R] BIC note  
 Page 263

program4--table 7.log

```

b2[1,36]
count:      count:      count:      count:      count:      count:
_x_1       _x_2       _x_3       _x_4       _x_5       _x_6
_x_7
y1   .60482852   .6653031   .09884673   .19718255  -.45708768  -.43329635
-.87111606

```

```

count:      count:      count:      count:      count:      count:
_x_8       _x_9       _x_10      _x_11      _x_12      _x_13
_x_14
y1  -.47630784  -.56244069  -.64403616  1.6793078  1.188983  -.43950769
1.366118

```

```

count:      count:      count:      count:      count:      count:
_x_15      _x_16      _x_17      _x_18      _x_19      _x_20
_x_21
y1  1.0471895   .12769595   .53981175   .56726628   .54898523   .15554975
.75969769

```

```

count:      count:      count:      count:      count:      count:
_x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1  .87677061   .40876111   1.1579196   1.6591173   .5516218   .44951909
.68680193

```

```

count:      count:      count:      count:      count:      count:
_x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  .5282675   .64903347   .84301668   .32692667   .7261533   1.4193511
-.47175333

```

```

lalpha:
_cons
y1  -2.2503601

```

```

Contains data from ...\\temp_mim.dta
obs:      256
Adolescent

```

```

National Longitudinal Study of
Health (Add Health), 1994-2008: wave
2 Sep 2014 16:33

```

```

I
vars:      23
size:     22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		

---



program4--table 7.log

```

se1_3      float    %9.0g
b2_1       float    %9.0g
v2_1       float    %9.0g
se2_1      float    %9.0g
b2_2       float    %9.0g
v2_2       float    %9.0g
se2_2      float    %9.0g
b2_3       float    %9.0g
v2_3       float    %9.0g
se2_3      float    %9.0g
b2_4       float    %9.0g
v2_4       float    %9.0g
se2_4      float    %9.0g
mj         float    %9.0g

```

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.6027186	0	.6027186	.6027186
v1_1	256	.008481	0	.008481	.008481
se1_1	256	.0920922	0	.0920922	.0920922
b1_2	256	.6681331	0	.6681331	.6681331
v1_2	256	.0086266	0	.0086266	.0086266
se1_2	256	.0928794	0	.0928794	.0928794
b1_3	256	.2079781	0	.2079781	.2079781
v1_3	256	.0158801	0	.0158801	.0158801
se1_3	256	.1260164	0	.1260164	.1260164
b2_1	256	.6048285	0	.6048285	.6048285
v2_1	256	.0084033	0	.0084033	.0084033
se2_1	256	.0916696	0	.0916696	.0916696
b2_2	256	.6653031	0	.6653031	.6653031
v2_2	256	.0085623	0	.0085623	.0085623
se2_2	256	.0925328	0	.0925328	.0925328
b2_3	256	.0988467	0	.0988467	.0988467
v2_3	256	.0350893	0	.0350893	.0350893
se2_3	256	.1873214	0	.1873214	.1873214
b2_4	256	.1971826	0	.1971826	.1971826
v2_4	256	.0622377	0	.0622377	.0622377
se2_4	256	.2494747	0	.2494747	.2494747
mj	256	4	0	4	4

(255 observations deleted)

file ... \temp4.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

(15070 observations deleted)

imputation is 5

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	41.24496	23.50524	-289.2956	76.53989

program4--table 7.log

f4_seipc	min(f4_seip)	max(f4_seip)
1	-289.2956	38.01155
2	38.0726	42.36746
3	42.37565	52.04576
4	52.09969	76.53989

(1131 missing values generated)  
 (378 real changes made)  
 (378 real changes made)  
 (376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.23034	17.84284	-153.1075	132.4945

m4_seipc	min(m4_seip)	max(m4_seip)
1	-153.1075	32.42604
2	32.47172	40.13015
3	40.132	52.11226
4	52.17506	132.4945

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

program4--table 7.log

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	.25	.25	.25	.25
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375

4 | .375 .375 .375 0

---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

---

(36 real changes made)

---

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

---



---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

---

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

---

Negative binomial regression

---

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.464  
Log likelihood:  
-518.426  
LR chi square:  
406.075

Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.281  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	1	0.700**
2	physatt_endog	1	0.654**
3	exchange	1	0.230
4	f4_seipc	2	-0.310
5		3	-0.827*
6		4	-0.732*
7	m4_seipc	2	-0.120
8		3	-0.416
9		4	-0.610
10	m3_physatt4	3	1.851**
11		4	1.228**
12		5	-0.400
13	f3_physatt4	3	1.386**
14		4	1.183**
15		5	0.109
16	f4_seipc.f3_physatt4	2.3	0.355
17		2.4	0.241
18		2.5	0.675
19		3.3	0.616
20		3.4	1.093**

program4--table 7.log

21	3.5		1.223**
0.424			
22	4.3		0.203
0.373			
23	4.4		0.909*
0.380			
24	4.5		1.587**
0.415			
	m4_seipc.m3_physatt4		
25	2.3		0.141
0.341			
26	2.4		0.139
0.354			
27	2.5		0.328
0.441			
28	3.3		0.340
0.358			
29	3.4		0.586
0.371			
30	3.5		0.921*
0.449			
31	4.3		0.266
0.373			
32	4.4		0.852*
0.386			
33	4.5		1.392**
0.458			
34	_cons		-0.657*
0.282			
	lnalpha		
35	_cons		-2.550**
0.293			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.464	-518.4264	35	1106.853	1230.934

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .7001098      .653607      .22979719      -.30961472      -.82742678      -.73216975
-.11995493

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
_x_14
y1      -.41608286      -.60986601      1.8511174      1.2280187      -.4004905      1.3858381
1.1825721

count:      count:      count:      count:      count:      count:      count:
count:
  
```

```

program4--table 7.log
_x_21  _x_15  _x_16  _x_17  _x_18  _x_19  _x_20
y1     .10864015  .35527668  .24061987  .67539405  .61633208  1.0926288
1.2228383

count:  count:  count:  count:  count:  count:  count:
_x_22  _x_23  _x_24  _x_25  _x_26  _x_27
_x_28
y1     .20316568  .90862948  1.5868971  .14067149  .13942451  .32784213
.34006822

lnalpha: count:  count:  count:  count:  count:  count:
_x_29  _x_30  _x_31  _x_32  _x_33  _cons
_cons
y1     .58554849  .92097457  .26607683  .8521103  1.391834  -.65727372
-2.5495281
nbreg, with gender-stereotypical exchange term

```

-----  
Negative binomial regression  
-----

```

Dependent variable:
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-721.464
Log likelihood:
-517.978
LR chi square:
406.972
Model degrees of freedom:
34
Pseudo R-squared:
0.282
Dispersion:
mean
Prob:
0.000

```

```

-----
nr Effect                                Coeff
s.e.
-----
count
sei_endog
1      1                                0.702**
0.084
physatt_endog
2      1                                0.650**
0.086
exchange
3      1                                0.104
0.179
exchange_trad
4      1                                0.225
0.237

```

program4--table 7.log

5	f4_seipc		
0.301	2		-0.280
6	3		-0.774*
0.345			
7	4		-0.652
0.342			
8	m4_seipc		
0.307	2		-0.143
9	3		-0.460
0.329			
10	4		-0.674
0.350			
11	m3_physatt4		
0.238	3		1.860**
12	4		1.265**
0.252			
13	5		-0.336
0.326			
14	f3_physatt4		
0.233	3		1.380**
15	4		1.144**
0.243			
16	5		0.048
0.283			
17	f4_seipc.f3_physatt4		
0.342	2.3		0.343
18	2.4		0.231
0.347			
19	2.5		0.669
0.385			
20	3.3		0.594
0.379			
21	3.4		1.074**
0.384			
22	3.5		1.214**
0.423			
23	4.3		0.169
0.374			
24	4.4		0.883*
0.380			
25	4.5		1.572**
0.414			
26	m4_seipc.m3_physatt4		
0.340	2.3		0.145
27	2.4		0.142
0.353			
28	2.5		0.327
0.441			
29	3.3		0.350
0.357			
30	3.4		0.595
0.371			
31	3.5		0.918*
0.448			
32	4.3		0.282
0.372			
33	4.4		0.865*



program4--table 7.log

```

0.386
34      4.5                                1.389**
0.457
35      _cons                              -0.656*
0.281
      lnalpha
36      _cons                              -2.570**
0.297

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.464	-517.9778	36	1107.956	1235.582

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,36]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  .70173395  .65010374  .10376678  .22516385  -.28006993  -.7737323
-.65234361

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.14260112 -.46000345 -.67397584  1.8603708  1.2646147  -.33556855
1.3799245

count:      count:      count:      count:      count:      count:      count:
count:      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  1.1443174  .04843164  .34301175  .23125625  .66924335  .59396961
1.0737504

count:      count:      count:      count:      count:      count:      count:
count:      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  1.2135834  .16929339  .88266954  1.5717899  .14483604  .14245751
.32653476

count:      count:      count:      count:      count:      count:      count:
count:      _x_29     _x_30     _x_31     _x_32     _x_33     _x_34
_cons
y1  .34964853  .5945492  .91785171  .28236046  .86518012  1.3894661
-.65638393

      lnalpha:
      _cons
y1  -2.5703546

```

Contains data from ...\\temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 23  
size: 22,784

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.7001098	0	.7001098	.7001098
v1_1	256	.0072061	0	.0072061	.0072061
se1_1	256	.0848887	0	.0848887	.0848887
b1_2	256	.653607	0	.653607	.653607
v1_2	256	.0075065	0	.0075065	.0075065
se1_2	256	.0866401	0	.0866401	.0866401
b1_3	256	.2297972	0	.2297972	.2297972
v1_3	256	.0142982	0	.0142982	.0142982
se1_3	256	.1195753	0	.1195753	.1195753
b2_1	256	.7017339	0	.7017339	.7017339
v2_1	256	.0071354	0	.0071354	.0071354
se2_1	256	.0844713	0	.0844713	.0844713
b2_2	256	.6501037	0	.6501037	.6501037
v2_2	256	.0074479	0	.0074479	.0074479
se2_2	256	.086301	0	.086301	.086301
b2_3	256	.1037668	0	.1037668	.1037668
v2_3	256	.0321589	0	.0321589	.0321589

```

                                program4--table 7.log
se2_3 |          256      .1793291      0      .1793291      .1793291
b2_4  |          256      .2251638      0      .2251638      .2251638
-----+-----
v2_4  |          256      .0563628      0      .0563628      .0563628
se2_4 |          256      .2374086      0      .2374086      .2374086
mj    |          256           5      0           5           5

```

(255 observations deleted)

file ... \temp5.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 6

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

```

Variable |          Obs          Mean      Std. Dev.          Min          Max
-----+-----
f4_seipc |         1507      2.500332      1.117514           1           4
f4_seip  |         1507      39.14788      29.17406     -351.3786      76.53989

```

```

f4_seipc | min(f4_seip)  max(f4_seip)
-----+-----
1 |         -351.3786      37.69094
2 |           37.6948      42.18916
3 |          42.19354      51.39832
4 |          51.53181      76.53989

```

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

```

Variable |          Obs          Mean      Std. Dev.          Min          Max
-----+-----
m4_seipc |         1507      2.500332      1.117514           1           4
m4_seip  |         1507      43.07011      16.95159     -131.8388      130.1948

```

```

m4_seipc | min(m4_seip)  max(m4_seip)
-----+-----
1 |        -131.8388      32.153
2 |          32.15638      40.14925
3 |          40.1568      51.38998
4 |          51.39384      130.1948

```

-> tabulation of f4\_seipc

```

f4_seipc |          Freq.          Percent          Cum.
-----+-----
1 |           376           24.95           24.95
2 |           377           25.02           49.97
3 |           378           25.08           75.05
4 |           376           24.95           100.00
-----+-----
Total |         1,507           100.00

```

-> tabulation of m4\_seipc

```

m4_seipc |          Freq.          Percent          Cum.
-----+-----

```

program4--table 7.1og

1	376	24.95	24.95	
2	377	25.02	49.97	
3	378	25.08	75.05	
4	376	24.95	100.00	

Total | 1,507 100.00  
(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375

```

4 | 0 0 0 .375
5 | 0 0 0 0

```

-----  
nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)  
-----

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-720.173
Log likelihood:
-529.980
LR chi square:
380.386
Model degrees of freedom:
33
Pseudo R-squared:
0.264
Dispersion:
mean
Prob:
0.000

```

```

-----
nr Effect                                Coeff
s.e.
-----
count
1 sei_endog                               0.734**
0.094 1
2 physatt_endog                           0.676**
0.095 1
3 exchange                                0.210
0.129 1
4 f4_seipc                                 -0.098
0.312 2
5 3                                         -0.653
0.351 3
6 4                                         -0.594
0.348 4
7 m4_seipc                                 -0.451
0.317 2
8 3                                         -0.561
0.327 3
9 4                                         -0.916*
0.357 4
10 m3_physatt4                             1.624**
0.238 3
11 4                                         1.036**

```

program4--table 7.log

0.250			
12	5		-0.446
0.311			
	f3_physatt4		
13	3		1.530**
0.254			
14	4		1.232**
0.262			
15	5		0.304
0.291			
	f4_seipc.f3_physatt4		
16	2.3		0.149
0.363			
17	2.4		0.187
0.368			
18	2.5		0.264
0.404			
19	3.3		0.340
0.398			
20	3.4		0.928*
0.403			
21	3.5		1.048*
0.436			
22	4.3		0.076
0.396			
23	4.4		0.773
0.404			
24	4.5		1.339**
0.434			
	m4_seipc.m3_physatt4		
25	2.3		0.513
0.359			
26	2.4		0.523
0.372			
27	2.5		0.564
0.448			
28	3.3		0.563
0.365			
29	3.4		0.681
0.381			
30	3.5		0.808
0.456			
31	4.3		0.612
0.393			
32	4.4		1.158**
0.406			
33	4.5		1.548**
0.471			
34	_cons		-0.597*
0.286			
	lnalpha		
35	_cons		-2.128**
0.247			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

-----	-----	-----	-----	-----	-----	-----
Model		Obs	ll(null)	ll(model)	df	AIC BIC
-----	+	-----	-----	-----	-----	-----

. | 256 -720.1731 -529.9802 35 1129.96 1254.042

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	.73362244	.67582283	.20955876	-.0975731	-.6534459	-.59430689
-.45122235						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.56083086	-.91639023	1.6236607	1.0358015	-.4459216	1.5304347
1.2320756						
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.30445509	.14932543	.1868608	.26393535	.33971442	.92808676
1.0480524						
count:	count:	count:	count:	count:	count:	count:
count:	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.07609225	.77290189	1.3388074	.51270273	.52312329	.56397462
.56324243						
lnalpha:	count:	count:	count:	count:	count:	count:
count:	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons						
y1	.6807779	.80849079	.61217042	1.157678	1.548243	-.59680159
-2.1277932						

nbreg, with gender-stereotypical exchange term

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-720.173  
Log likelihood:  
-529.608  
LR chi square:  
381.130  
Model degrees of freedom:  
34  
Pseudo R-squared:  
0.265  
Dispersion:  
mean



program4--table 7.log

Prob:  
0.000

-----			
nr	Effect		Coeff
-----			
	s.e.		
-----			
	count		
	sei_endog		
1	1		0.736**
0.094			
	physatt_endog		
2	1		0.672**
0.095			
	exchange		
3	1		0.086
0.192			
	exchange_trad		
4	1		0.222
0.257			
	f4_seipc		
5	2		-0.074
0.312			
6	3		-0.601
0.355			
7	4		-0.521
0.357			
	m4_seipc		
8	2		-0.473
0.317			
9	3		-0.608
0.331			
10	4		-0.980**
0.364			
	m3_physatt4		
11	3		1.634**
0.238			
12	4		1.073**
0.253			
13	5		-0.381
0.320			
	f3_physatt4		
14	3		1.521**
0.254			
15	4		1.192**
0.265			
16	5		0.244
0.299			
	f4_seipc.f3_physatt4		
17	2.3		0.143
0.362			
18	2.4		0.183
0.367			
19	2.5		0.259
0.404			
20	3.3		0.320
0.397			
21	3.4		0.914*
0.402			
22	3.5		1.036*
0.435			
23	4.3		0.050

program4--table 7.log

0.396		
24	4.4	0.755
0.403		
25	4.5	1.328**
0.433		
	m4_seipc.m3_physatt4	
26	2.3	0.515
0.358		
27	2.4	0.524
0.371		
28	2.5	0.561
0.447		
29	3.3	0.574
0.365		
30	3.4	0.691
0.381		
31	3.5	0.808
0.455		
32	4.3	0.629
0.393		
33	4.4	1.165**
0.405		
34	4.5	1.545**
0.470		
35	_cons	-0.594*
0.286		
	lnalpha	
36	_cons	-2.148**
0.250		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-720.1731	-529.6081	36	1131.216	1258.843

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]						
count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	.73564714	.67236356	.08639001	.22235513	-.07376801	-.60085102
	-.52080355					
count:	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.47329408	-.60750259	-.98007234	1.6340572	1.0733602	-.38055614
	1.5207567					
count:	count:	count:	count:	count:	count:	count:
	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	1.191585	.24415138	.14295546	.18261784	.2594316	.32046153

program4--table 7.log

.91373452

```

count:      count:      count:      count:      count:      count:      count:
count:      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1  1.0357317  .05020164  .75503025  1.3282481  .51490167  .52431518
.56062824

count:      count:      count:      count:      count:      count:      count:
count:      _x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  .57401782  .6912703  .80818272  .62893431  1.1652231  1.5449398
-.59418838

```

```

lnalpha:
_cons
y1 -2.1480045

```

Contains data from ...\\temp\_mim.dta  
obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave  
2 Sep 2014 16:33

```

I
vars: 23
size: 22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

---

program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.7336224	0	.7336224	.7336224
v1_1	256	.0088421	0	.0088421	.0088421
se1_1	256	.0940324	0	.0940324	.0940324
b1_2	256	.6758229	0	.6758229	.6758229
-----					
v1_2	256	.0090683	0	.0090683	.0090683
se1_2	256	.0952278	0	.0952278	.0952278
b1_3	256	.2095588	0	.2095588	.2095588
v1_3	256	.0165893	0	.0165893	.0165893
se1_3	256	.1287993	0	.1287993	.1287993
-----					
b2_1	256	.7356471	0	.7356471	.7356471
v2_1	256	.0087442	0	.0087442	.0087442
se2_1	256	.0935105	0	.0935105	.0935105
b2_2	256	.6723636	0	.6723636	.6723636
v2_2	256	.0089862	0	.0089862	.0089862
-----					
se2_2	256	.0947953	0	.0947953	.0947953
b2_3	256	.08639	0	.08639	.08639
v2_3	256	.0369815	0	.0369815	.0369815
se2_3	256	.1923057	0	.1923057	.1923057
b2_4	256	.2223551	0	.2223551	.2223551
-----					
v2_4	256	.0661227	0	.0661227	.0661227
se2_4	256	.2571434	0	.2571434	.2571434
mj	256	6	0	6	6

(255 observations deleted)

file ... \temp6.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 7

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	39.43588	28.36531	-254.6392	76.53989

f4_seipc	min(f4_seip)	max(f4_seip)
1	-254.6392	37.58015
2	37.58727	42.11327
3	42.13544	52.10152
4	52.11509	76.53989

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.42809	17.37427	-157.4349	174.7746

m4_seipc	min(m4_seip)	max(m4_seip)
----------	--------------	--------------

program4--table 7.log

1	-157.4349	32.31323
2	32.33604	40.66423
3	40.66914	52.60581
4	52.62491	174.7746

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physatt (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
	.25	.25	.25	.25

program4--table 7.log

2	0	1	0	0
	.25	.25	.25	.25
3	0	0	1	0
	.25	.25	.25	.25
4	0	0	0	1
	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
	1	0	0	0
3	.25	.25	.25	.25
	0	1	0	0
4	.25	.25	.25	.25
	0	0	1	0
5	.25	.25	.25	.25
	0	0	0	1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

program4--table 7.log

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.375	.375	.375	
3	0	0	.375	.375	
4	0	0	0	.375	
5	0	0	0	0	

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.418  
Log likelihood:  
-528.173  
LR chi square:  
386.491  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.268  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	0.091	0.699**
2	physatt_endog	0.093	0.650**

program4--table 7.log

3	exchange		
0.126	1		0.145
	f4_seipc		
4	2		-0.276
0.312			
5	3		-0.563
0.333			
6	4		-0.693*
0.347			
	m4_seipc		
7	2		-0.209
0.312			
8	3		-0.399
0.325			
9	4		-0.763*
0.359			
	m3_physatt4		
10	3		1.731**
0.242			
11	4		1.181**
0.253			
12	5		-0.164
0.304			
	f3_physatt4		
13	3		1.433**
0.245			
14	4		1.226**
0.252			
15	5		0.313
0.280			
	f4_seipc.f3_physatt4		
16	2.3		0.330
0.360			
17	2.4		0.291
0.366			
18	2.5		0.379
0.400			
19	3.3		0.351
0.379			
20	3.4		0.786*
0.384			
21	3.5		0.808
0.419			
22	4.3		0.224
0.392			
23	4.4		0.845*
0.400			
24	4.5		1.364**
0.428			
	m4_seipc.m3_physatt4		
25	2.3		0.279
0.352			
26	2.4		0.308
0.364			
27	2.5		-0.011
0.443			
28	3.3		0.384
0.362			
29	3.4		0.517
0.376			
30	3.5		0.596
0.441			



program4--table 7.log

31	4.3	0.526
0.392		
32	4.4	0.951*
0.405		
33	4.5	1.153*
0.464		
34	_cons	-0.631*
0.287		
	lnalpha	
35	_cons	-2.241**
0.256		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.4184	-528.1728	35	1126.346	1250.427

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

count:	count:	count:	count:	count:	count:	count:
	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7	y1 .69861266	.64951389	.14543841	-.27562415	-.56314467	-.69274108
	-.20910194					

count:	count:	count:	count:	count:	count:	count:
	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14	y1 -.39935249	-.76339322	1.7309569	1.1806693	-.16354121	1.4329418
	1.2260681					

count:	count:	count:	count:	count:	count:	count:
	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21	y1 .31322296	.32954957	.29092154	.3794922	.35125103	.7855369
	.80844076					

count:	count:	count:	count:	count:	count:	count:
	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28	y1 .22432725	.84545822	1.364018	.27895742	.30789563	-.0112235
	.38422446					

lnalpha:	count:	count:	count:	count:	count:	count:
	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons	y1 .5169324	.59626619	.52610237	.95111675	1.153025	-.63116357
	-2.2412474					

nbreg, with gender-stereotypical exchange term

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-721.418
Log likelihood:
-528.145
LR chi square:
386.548
Model degrees of freedom:
34
Pseudo R-squared:
0.268
Dispersion:
mean
Prob:
0.000
-----

```

nr	Effect	Coeff
s.e.		
1	count sei_endog	0.698**
0.092	1	
2	physatt_endog	0.650**
0.093	1	
3	exchange	0.178
0.185	1	
4	exchange_trad	-0.060
0.251	1	
5	f4_seipc	-0.283
0.314	2	
6	3	-0.577
0.338	3	
7	4	-0.713*
0.357	4	
8	m4_seipc	-0.203
0.313	2	
9	3	-0.387
0.329	3	
10	4	-0.746*
0.366	4	
11	m3_physatt4	1.728**
0.242	3	
12	4	1.171**
0.256	4	
13	5	-0.180
0.312	5	

program4--table 7.log

14	f3_physatt4	3	1.435**
0.245			
15		4	1.237**
0.256			
16		5	0.329
0.288			
17	f4_seipc.f3_physatt4	2.3	0.332
0.360			
18		2.4	0.293
0.366			
19		2.5	0.381
0.400			
20		3.3	0.356
0.379			
21		3.4	0.789*
0.385			
22		3.5	0.811
0.419			
23		4.3	0.231
0.393			
24		4.4	0.851*
0.401			
25		4.5	1.367**
0.429			
26	m4_seipc.m3_physatt4	2.3	0.277
0.352			
27		2.4	0.307
0.364			
28		2.5	-0.011
0.443			
29		3.3	0.381
0.362			
30		3.4	0.513
0.376			
31		3.5	0.595
0.441			
32		4.3	0.522
0.392			
33		4.4	0.949*
0.405			
34		4.5	1.153*
0.464			
35	_cons		-0.632*
0.287			
36	lnalpha		-2.241**
0.256	_cons		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.4184	-528.1445	36	1128.289	1255.915

Note: N=Obs used in calculating BIC; see [R] BIC note  
 Page 291

program4--table 7.log

```

b2[1,36]
count:      count:      count:      count:      count:      count:
_x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .69788924      .65036816      .17774539      -.05960073      -.28296961      -.57700321
-.7130335

```

```

count:      count:      count:      count:      count:      count:
_x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1      -.20320087     -.38693446     -.74641195     1.7283476     1.1710254     -.17998479
1.4351795

```

```

count:      count:      count:      count:      count:      count:
_x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1      1.2370095     .32929667     .3323496     .29255703     .38122081     .35620739
.78903082

```

```

count:      count:      count:      count:      count:      count:
_x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1      .81072646     .23117249     .85084273     1.3673405     .27746661     .30736295
-.01137267

```

```

count:      count:      count:      count:      count:      count:
_x_29     _x_30     _x_31     _x_32     _x_33     _x_34
_cons
y1      .3810587     .51318685     .59509     .52236857     .94858988     1.1532192
-.63160364

```

```

lalpha:
_cons
y1      -2.2406718

```

```

Contains data from ...\\temp_mim.dta
obs:      256
Adolescent

```

```

National Longitudinal Study of
Health (Add Health), 1994-2008: wave
2 Sep 2014 16:33

```

```

I
vars:      23
size:      22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		

program4--table 7.log

```

se1_3      float    %9.0g
b2_1       float    %9.0g
v2_1       float    %9.0g
se2_1      float    %9.0g
b2_2       float    %9.0g
v2_2       float    %9.0g
se2_2      float    %9.0g
b2_3       float    %9.0g
v2_3       float    %9.0g
se2_3      float    %9.0g
b2_4       float    %9.0g
v2_4       float    %9.0g
se2_4      float    %9.0g
mj         float    %9.0g

```

Sorted by:

Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.6986127	0	.6986127	.6986127
v1_1	256	.0083656	0	.0083656	.0083656
se1_1	256	.0914635	0	.0914635	.0914635
b1_2	256	.6495139	0	.6495139	.6495139
v1_2	256	.0085949	0	.0085949	.0085949
se1_2	256	.0927087	0	.0927087	.0927087
b1_3	256	.1454384	0	.1454384	.1454384
v1_3	256	.0158865	0	.0158865	.0158865
se1_3	256	.1260416	0	.1260416	.1260416
b2_1	256	.6978893	0	.6978893	.6978893
v2_1	256	.0083799	0	.0083799	.0083799
se2_1	256	.0915418	0	.0915418	.0915418
b2_2	256	.6503682	0	.6503682	.6503682
v2_2	256	.0086133	0	.0086133	.0086133
se2_2	256	.0928078	0	.0928078	.0928078
b2_3	256	.1777454	0	.1777454	.1777454
v2_3	256	.0343176	0	.0343176	.0343176
se2_3	256	.1852501	0	.1852501	.1852501
b2_4	256	-.0596007	0	-.0596007	-.0596007
v2_4	256	.062915	0	.062915	.062915
se2_4	256	.2508285	0	.2508285	.2508285
mj	256	7	0	7	7

(255 observations deleted)

file ...\temp7.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: Wave I)

(15070 observations deleted)

imputation is 8

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	41.78008	20.41906	-150.1009	76.53989

program4--table 7.log

f4_seipc	min(f4_seip)	max(f4_seip)
1	-150.1009	37.9899
2	38.01377	42.30807
3	42.32093	52.10736
4	52.1458	76.53989

(1131 missing values generated)  
 (378 real changes made)  
 (378 real changes made)  
 (376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.22463	17.56703	-148.562	123.4531

m4_seipc	min(m4_seip)	max(m4_seip)
1	-148.562	32.55626
2	32.55886	40.77486
3	40.81794	51.86361
4	51.87617	123.4531

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

program4--table 7.log

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	.25	.25	.25	.25
2	.25	.25	.25	.25
3	.25	.25	.25	.25
4	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375

4 | .375 .375 .375 0

---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

---

(36 real changes made)

---

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

---



---

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375
4	0	0	0	.375
5	0	0	0	0

---

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

---

Negative binomial regression

---

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.586  
Log likelihood:  
-521.292  
LR chi square:  
400.588



Model degrees of freedom:  
 33  
 Pseudo R-squared:  
 0.278  
 Dispersion:  
 mean  
 Prob:  
 0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	1	0.802**
2	physatt_endog	1	0.675**
3	exchange	1	0.289*
4	f4_seipc	2	-0.031
5		3	-0.337
6		4	-0.522
7	m4_seipc	2	-0.268
8		3	-0.210
9		4	-0.628
10	m3_physatt4	3	1.787**
11		4	1.245**
12		5	-0.297
13	f3_physatt4	3	1.613**
14		4	1.440**
15		5	0.295
16	f4_seipc.f3_physatt4	2.3	0.057
17		2.4	-0.019
18		2.5	0.310
19		3.3	0.083
20		3.4	0.458

program4--table 7.log

21	3.5		0.895*
0.412			
22	4.3		0.002
0.386			
23	4.4		0.639
0.392			
24	4.5		1.389**
0.427			
	m4_seipc.m3_physatt4		
25	2.3		0.373
0.356			
26	2.4		0.341
0.367			
27	2.5		0.334
0.448			
28	3.3		0.201
0.349			
29	3.4		0.258
0.363			
30	3.5		0.547
0.438			
31	4.3		0.348
0.378			
32	4.4		0.813*
0.390			
33	4.5		1.328**
0.456			
34	_cons		-0.921**
0.300			
	lnalpha		
35	_cons		-2.484**
0.295			

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.5859	-521.2919	35	1112.584	1236.665

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b1[1,35]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .80180833      .67450375      .28936397      -.03066663      -.33700675      -.52169554
-.26774968

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10      _x_11      _x_12      _x_13
_x_14
y1      -.20984002      -.62767245      1.7866565      1.2448909      -.29711063      1.6128584
1.4402193

count:      count:      count:      count:      count:      count:      count:
count:
  
```

program4--table 7.log

	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.29516564	.056519	-.01868114	.30987921	.08336933	.45787926
	.8951519					
count:	count:	count:	count:	count:	count:	count:
	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.00156249	.63913189	1.38857	.37268475	.34111897	.33446374
	.20075243					
lnalpha:	count:	count:	count:	count:	count:	count:
	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons						
y1	.258248	.54720726	.34834391	.81287779	1.3282799	-.92113211
	-2.4841833					

nbreg, with gender-stereotypical exchange term

-----  
 Negative binomial regression  
 -----

-----  
 Dependent variable  
 count  
 Optimization:  
 ml  
 Number of observations:  
 256  
 Initial log likelihood:  
 -721.586  
 Log likelihood:  
 -519.896  
 LR chi square:  
 403.381  
 Model degrees of freedom:  
 34  
 Pseudo R-squared:  
 0.280  
 Dispersion:  
 mean  
 Prob:  
 0.000  
 -----

nr	Effect	s.e.	Coeff
1	count		
1	sei_endog	0.085	0.806**
2	physatt_endog	0.087	0.668**
3	exchange	0.180	0.067
4	exchange_trad	0.238	0.398

program4--table 7.log

5	f4_seipc	2	0.016
0.312			
6		3	-0.241
0.333			
7		4	-0.381
0.354			
8	m4_seipc	2	-0.308
0.320			
9		3	-0.291
0.319			
10		4	-0.742*
0.354			
11	m3_physatt4	3	1.806**
0.244			
12		4	1.310**
0.256			
13		5	-0.184
0.320			
14	f3_physatt4	3	1.599**
0.250			
15		4	1.375**
0.258			
16		5	0.191
0.297			
17	f4_seipc.f3_physatt4	2.3	0.044
0.353			
18		2.4	-0.035
0.357			
19		2.5	0.299
0.397			
20		3.3	0.048
0.369			
21		3.4	0.425
0.373			
22		3.5	0.875*
0.410			
23		4.3	-0.053
0.386			
24		4.4	0.594
0.391			
25		4.5	1.363**
0.425			
26	m4_seipc.m3_physatt4	2.3	0.380
0.354			
27		2.4	0.349
0.365			
28		2.5	0.334
0.447			
29		3.3	0.220
0.348			
30		3.4	0.278
0.362			
31		3.5	0.548
0.437			
32		4.3	0.375
0.376			
33		4.4	0.837*

program4--table 7.log

```

0.389
34      4.5                                1.328**
0.454
35      _cons                               -0.922**
0.299
      lnalpha
36      _cons                               -2.532**
0.302

```

```

-----
*   p < .05
**  p < .01

```

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.5859	-519.8956	36	1111.791	1239.418

Note: N=Obs used in calculating BIC; see [R] BIC note

```

b2[1,36]
count:      count:      count:      count:      count:      count:      count:
count:      _x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1  .80561601  .66803929  .06710215  .39822382  .01584962  -.24086222
-.38129936

count:      count:      count:      count:      count:      count:      count:
count:      _x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1  -.30768758 -.29057713 -.74197517  1.8056914  1.3100715  -.18392614
1.5992387

count:      count:      count:      count:      count:      count:      count:
count:      _x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1  1.3750953  .19078984  .04358683  -.03522645  .29862163  .04813017
.42457926

count:      count:      count:      count:      count:      count:      count:
count:      _x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1  .87519932  -.05284604  .59372678  1.363385  .38043882  .34910731
.33410214

count:      count:      count:      count:      count:      count:      count:
count:      _x_29     _x_30     _x_31     _x_32     _x_33     _x_34
_cons
y1  .22008539  .27764638  .54759209  .37514885  .83679481  1.327702
-.92224829

      lnalpha:
      _cons
y1  -2.5318302

```

Contains data from ... \temp\_mim.dta

obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave

I  
vars: 23  
size: 22,784

2 Sep 2014 16:33

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.8018084	0	.8018084	.8018084
v1_1	256	.0073958	0	.0073958	.0073958
se1_1	256	.0859986	0	.0859986	.0859986
b1_2	256	.6745037	0	.6745037	.6745037
v1_2	256	.0078016	0	.0078016	.0078016
se1_2	256	.0883265	0	.0883265	.0883265
b1_3	256	.289364	0	.289364	.289364
v1_3	256	.0145289	0	.0145289	.0145289
se1_3	256	.1205359	0	.1205359	.1205359
b2_1	256	.805616	0	.805616	.805616
v2_1	256	.007229	0	.007229	.007229
se2_1	256	.0850232	0	.0850232	.0850232
b2_2	256	.6680393	0	.6680393	.6680393
v2_2	256	.0076467	0	.0076467	.0076467
se2_2	256	.0874454	0	.0874454	.0874454
b2_3	256	.0671021	0	.0671021	.0671021
v2_3	256	.0324534	0	.0324534	.0324534

```

                                program4--table 7.log
se2_3 |          256      .1801481      0      .1801481      .1801481
b2_4  |          256      .3982238      0      .3982238      .3982238
-----+-----
v2_4  |          256      .0565111      0      .0565111      .0565111
se2_4 |          256      .2377207      0      .2377207      .2377207
mj    |          256           8      0           8           8

```

(255 observations deleted)

file ... \temp8.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 9

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

```

Variable |          Obs          Mean      Std. Dev.          Min          Max
-----+-----
f4_seipc |         1507      2.500332      1.117514           1           4
f4_seip  |         1507          41.101      23.74252     -171.4718      76.53989

```

```

f4_seipc | min(f4_seip)  max(f4_seip)
-----+-----
1 |         -171.4718      37.82405
2 |          37.83058      42.3788
3 |          42.40791      51.9738
4 |          51.98574      76.53989

```

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

```

Variable |          Obs          Mean      Std. Dev.          Min          Max
-----+-----
m4_seipc |         1507      2.500332      1.117514           1           4
m4_seip  |         1507          43.88077      18.11318     -129.7534      140.2893

```

```

m4_seipc | min(m4_seip)  max(m4_seip)
-----+-----
1 |        -129.7534      32.47864
2 |          32.50366      40.23708
3 |          40.25619      52.80656
4 |          52.84361      140.2893

```

-> tabulation of f4\_seipc

```

f4_seipc |          Freq.          Percent          Cum.
-----+-----
1 |             376           24.95           24.95
2 |             377           25.02           49.97
3 |             378           25.08           75.05
4 |             376           24.95          100.00
-----+-----
Total |           1,507          100.00

```

-> tabulation of m4\_seipc

```

m4_seipc |          Freq.          Percent          Cum.
-----+-----

```

program4--table 7.1og

1	376	24.95	24.95	
2	377	25.02	49.97	
3	378	25.08	75.05	
4	376	24.95	100.00	

Total | 1,507 100.00  
(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1 .25	0 .25	0 .25	0 .25
2	0 .25	1 .25	0 .25	0 .25
3	0 .25	0 .25	1 .25	0 .25
4	0 .25	0 .25	0 .25	1 .25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1



2	.25 1	.25 0	.25 0	.25 0
3	.25 0	.25 1	.25 0	.25 0
4	.25 0	.25 0	.25 1	.25 0
5	.25 0	.25 0	.25 0	.25 1

(72 real changes made)

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	0	0	.375	.375

```

4 | 0 0 0 .375
5 | 0 0 0 0

```

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

```

Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-721.753
Log likelihood:
-530.746
LR chi square:
382.015
Model degrees of freedom:
33
Pseudo R-squared:
0.265
Dispersion:
mean
Prob:
0.000

```

nr	Effect	s.e.	Coeff
1	count sei_endog	0.092	0.629**
2	physatt_endog	0.093	0.673**
3	exchange	0.125	0.202
4	f4_seipc	0.305	-0.072
5		0.348	-0.695*
6		0.351	-0.691*
7	m4_seipc	0.317	0.175
8		0.336	-0.105
9		0.366	-0.477
10	m3_physatt4	0.261	1.983**
11			1.475**

program4--table 7.log

0.271						
12	5					0.015
0.322						
	f3_physatt4					
13	3					1.513**
0.250						
14	4					1.274**
0.257						
15	5					0.211
0.290						
	f4_seipc.f3_physatt4					
16	2.3					0.005
0.355						
17	2.4					0.034
0.360						
18	2.5					0.338
0.397						
19	3.3					0.444
0.392						
20	3.4					0.834*
0.398						
21	3.5					1.176**
0.434						
22	4.3					0.164
0.396						
23	4.4					0.831*
0.403						
24	4.5					1.496**
0.437						
	m4_seipc.m3_physatt4					
25	2.3					-0.090
0.356						
26	2.4					-0.265
0.370						
27	2.5					-0.372
0.451						
28	3.3					0.055
0.372						
29	3.4					0.189
0.385						
30	3.5					0.383
0.448						
31	4.3					0.180
0.399						
32	4.4					0.636
0.411						
33	4.5					0.969*
0.472						
34	_cons					-0.884**
0.307						
	lnalpha					
35	_cons					-2.221**
0.256						

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
-------	-----	----------	-----------	----	-----	-----

. | 256 -721.753 -530.7456 35 1131.491 1255.572

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	.62917341	.67261016	.20209825	-.07152727	-.69479896	-.69077998
.1750729						
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	-.1046852	-.47686124	1.9825443	1.4748239	.01529845	1.5134699
1.2744072						
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	.21144508	.0046454	.03415491	.33773705	.44441436	.83393901
1.1763527						
count:	count:	count:	count:	count:	count:	count:
count:	_x_22	_x_23	_x_24	_x_25	_x_26	_x_27
_x_28						
y1	.16436897	.83083562	1.4956099	-.0903753	-.26481281	-.37151814
.05540768						
lnalpha:	count:	count:	count:	count:	count:	count:
count:	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
_cons						
y1	.18903146	.38293633	.17960656	.63566131	.96925385	-.88398179
-2.2206797						

nbreg, with gender-stereotypical exchange term

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-721.753  
Log likelihood:  
-530.684  
LR chi square:  
382.138  
Model degrees of freedom:  
34  
Pseudo R-squared:  
0.265  
Dispersion:  
mean

program4--table 7.log

Prob:  
0.000

-----			
nr	Effect		Coeff
s.e.			
-----			
	count		
	sei_endog		
1	1		0.628**
0.092			
	physatt_endog		
2	1		0.674**
0.093			
	exchange		
3	1		0.250
0.186			
	exchange_trad		
4	1		-0.088
0.251			
	f4_seipc		
5	2		-0.081
0.307			
6	3		-0.716*
0.354			
7	4		-0.721*
0.361			
	m4_seipc		
8	2		0.185
0.318			
9	3		-0.087
0.339			
10	4		-0.452
0.373			
	m3_physatt4		
11	3		1.979**
0.262			
12	4		1.460**
0.275			
13	5		-0.010
0.330			
	f3_physatt4		
14	3		1.518**
0.251			
15	4		1.291**
0.261			
16	5		0.236
0.298			
	f4_seipc.f3_physatt4		
17	2.3		0.005
0.355			
18	2.4		0.036
0.360			
19	2.5		0.339
0.397			
20	3.3		0.452
0.393			
21	3.4		0.840*
0.399			
22	3.5		1.182**
0.434			
23	4.3		0.174

program4--table 7.log

0.397		
24	4.4	0.839*
0.404		
25	4.5	1.501**
0.437		
	m4_seipc.m3_physatt4	
26	2.3	-0.093
0.356		
27	2.4	-0.266
0.370		
28	2.5	-0.372
0.451		
29	3.3	0.052
0.372		
30	3.4	0.186
0.385		
31	3.5	0.383
0.448		
32	4.3	0.172
0.400		
33	4.4	0.633
0.411		
34	4.5	0.970*
0.472		
35	_cons	-0.885**
0.307		
	lnalpha	
36	_cons	-2.220**
0.256		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-721.753	-530.6842	36	1133.368	1260.995

Note: N=Obs used in calculating BIC; see [R] BIC note

b2[1,36]	count:	count:	count:	count:	count:	count:
count:	_x_1	_x_2	_x_3	_x_4	_x_5	_x_6
_x_7						
y1	.62830058	.67403563	.25037215	-.08781612	-.08138246	-.71647923
	-.72124855					
count:	count:	count:	count:	count:	count:	count:
count:	_x_8	_x_9	_x_10	_x_11	_x_12	_x_13
_x_14						
y1	.18487001	-.08711445	-.45181879	1.9787993	1.459698	-.00986462
	1.517957					
count:	count:	count:	count:	count:	count:	count:
count:	_x_15	_x_16	_x_17	_x_18	_x_19	_x_20
_x_21						
y1	1.2907112	.23592259	.00549045	.03620125	.33921666	.45211773

program4--table 7.log

.84030892

```

count:      count:      count:      count:      count:      count:      count:
count:      _x_22      _x_23      _x_24      _x_25      _x_26      _x_27
_x_28
y1  1.1818477  .17430607  .83939482  1.5008749  -.09313071  -.26647419
-.3718165

```

```

count:      count:      count:      count:      count:      count:      count:
count:      _x_29      _x_30      _x_31      _x_32      _x_33      _x_34
_cons
y1  .051709    .18552653  .38300828  .17249554  .63316409  .96992144
-.88518648

```

```

lnalpha:
_cons
y1  -2.2202487

```

Contains data from ...\\temp\_mim.dta  
obs: 256  
Adolescent

National Longitudinal Study of  
Health (Add Health), 1994-2008: wave  
2 Sep 2014 16:33

```

I
vars: 23
size: 22,784

```

---

variable name	storage type	display format	value label	variable label
sei_endog	byte	%9.0g		
b1_1	float	%9.0g		
v1_1	float	%9.0g		
se1_1	float	%9.0g		
b1_2	float	%9.0g		
v1_2	float	%9.0g		
se1_2	float	%9.0g		
b1_3	float	%9.0g		
v1_3	float	%9.0g		
se1_3	float	%9.0g		
b2_1	float	%9.0g		
v2_1	float	%9.0g		
se2_1	float	%9.0g		
b2_2	float	%9.0g		
v2_2	float	%9.0g		
se2_2	float	%9.0g		
b2_3	float	%9.0g		
v2_3	float	%9.0g		
se2_3	float	%9.0g		
b2_4	float	%9.0g		
v2_4	float	%9.0g		
se2_4	float	%9.0g		
mj	float	%9.0g		

---

Sorted by:  
Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

---

program4--table 7.log

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.6291734	0	.6291734	.6291734
v1_1	256	.0084046	0	.0084046	.0084046
se1_1	256	.0916767	0	.0916767	.0916767
b1_2	256	.6726102	0	.6726102	.6726102
-----					
v1_2	256	.0087163	0	.0087163	.0087163
se1_2	256	.093361	0	.093361	.093361
b1_3	256	.2020983	0	.2020983	.2020983
v1_3	256	.0157137	0	.0157137	.0157137
se1_3	256	.1253545	0	.1253545	.1253545
-----					
b2_1	256	.6283005	0	.6283005	.6283005
v2_1	256	.0084172	0	.0084172	.0084172
se2_1	256	.0917452	0	.0917452	.0917452
b2_2	256	.6740356	0	.6740356	.6740356
v2_2	256	.0087395	0	.0087395	.0087395
-----					
se2_2	256	.0934855	0	.0934855	.0934855
b2_3	256	.2503721	0	.2503721	.2503721
v2_3	256	.0346188	0	.0346188	.0346188
se2_3	256	.1860612	0	.1860612	.1860612
b2_4	256	-.0878161	0	-.0878161	-.0878161
-----					
v2_4	256	.0627721	0	.0627721	.0627721
se2_4	256	.2505436	0	.2505436	.2505436
mj	256	9	0	9	9

(255 observations deleted)

file ... \temp9.dta saved

basic model - combines relp duration & union status groups

(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

(15070 observations deleted)

imputation is 10

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
f4_seipc	1507	2.500332	1.117514	1	4
f4_seip	1507	40.46122	25.66198	-191.7769	76.53989

f4_seipc	min(f4_seip)	max(f4_seip)
1	-191.7769	37.89674
2	37.91525	42.18861
3	42.19273	51.87115
4	51.91797	76.53989

(1131 missing values generated)

(378 real changes made)

(378 real changes made)

(376 real changes made)

Variable	Obs	Mean	Std. Dev.	Min	Max
m4_seipc	1507	2.500332	1.117514	1	4
m4_seip	1507	43.93036	16.40669	-94.6198	127.2873

m4_seipc	min(m4_seip)	max(m4_seip)
----------	--------------	--------------



program4--table 7.log

1	-94.6198	32.64328
2	32.65011	40.78864
3	40.81456	52.10224
4	52.21574	127.2873

-> tabulation of f4\_seipc

f4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

-> tabulation of m4\_seipc

m4_seipc	Freq.	Percent	Cum.
1	376	24.95	24.95
2	377	25.02	49.97
3	378	25.08	75.05
4	376	24.95	100.00
Total	1,507	100.00	

(64 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0	0	0	1

(64 real changes made)

RECODE of m3_physatt (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	1	0	0	0
3	0	1	0	0
4	0	0	1	0
5	0	0	0	1

f4_seipc	m4_seipc			
	1	2	3	4
1	1	0	0	0
	.25	.25	.25	.25

program4--table 7.log

2	0	1	0	0
	.25	.25	.25	.25
3	0	0	1	0
	.25	.25	.25	.25
4	0	0	0	1
	.25	.25	.25	.25

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	.25	.25	.25	.25
	1	0	0	0
3	.25	.25	.25	.25
	0	1	0	0
4	.25	.25	.25	.25
	0	0	1	0
5	.25	.25	.25	.25
	0	0	0	1

(72 real changes made)

f4_seipc	m4_seipc			
	1	2	3	4
1	0	.375	.375	.375
2	.375	0	.375	.375
3	.375	.375	0	.375
4	.375	.375	.375	0

RECODE of m3_physat t (w3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt			
	2	3	4	5
2	0	.375	.375	.375
3	.375	0	.375	.375
4	.375	.375	0	.375
5	.375	.375	.375	0

(36 real changes made)

f4_seipc	1	m4_seipc		
		2	3	4
1	0	.375	.375	.375
2	0	0	.375	.375
3	0	0	0	.375
4	0	0	0	0

RECODE of m3_physat t (W3 - Interview er-rated physical attractiv eness)	RECODE of f3_physatt	2	3	4	5
2	0	.375	.375	.375	
3	0	0	.375	.375	
4	0	0	0	.375	
5	0	0	0	0	

nbreg, without gender-stereotypical exchange term (only gender-symmetric exchange)

Negative binomial regression

Dependent variable  
count  
Optimization:  
ml  
Number of observations:  
256  
Initial log likelihood:  
-720.089  
Log likelihood:  
-532.412  
LR chi square:  
375.354  
Model degrees of freedom:  
33  
Pseudo R-squared:  
0.261  
Dispersion:  
mean  
Prob:  
0.000

nr	Effect	s.e.	Coeff
1	count sei_endog	0.093	0.703**
2	physatt_endog	0.095	0.700**

program4--table 7.log

3	exchange		
0.126	1		0.244
	f4_seipc		
4	2		-0.199
0.311			
5	3		-0.707*
0.348			
6	4		-0.618
0.341			
	m4_seipc		
7	2		0.091
0.322			
8	3		-0.166
0.340			
9	4		-0.323
0.351			
	m3_physatt4		
10	3		1.979**
0.262			
11	4		1.415**
0.272			
12	5		-0.018
0.322			
	f3_physatt4		
13	3		1.427**
0.252			
14	4		1.254**
0.257			
15	5		0.192
0.290			
	f4_seipc.f3_physatt4		
16	2.3		0.220
0.360			
17	2.4		0.189
0.365			
18	2.5		0.376
0.404			
19	3.3		0.544
0.392			
20	3.4		0.843*
0.398			
21	3.5		1.170**
0.434			
22	4.3		0.111
0.388			
23	4.4		0.726
0.395			
24	4.5		1.460**
0.428			
	m4_seipc.m3_physatt4		
25	2.3		-0.080
0.362			
26	2.4		0.018
0.374			
27	2.5		-0.148
0.448			
28	3.3		0.168
0.376			
29	3.4		0.235
0.390			
30	3.5		0.460
0.452			

31	4.3	0.026
0.385		
32	4.4	0.491
0.399		
33	4.5	0.780
0.461		
34	_cons	-0.886**
0.307		
	lnalpha	
35	_cons	-2.218**
0.257		

\* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-720.0889	-532.4118	35	1134.824	1258.905

Note: N=Obs used in calculating BIC; see [R] BIC note

b1[1,35]

count:	count:	count:	count:	count:	count:	count:
_x_1	_x_2	_x_3	_x_4	_x_5	_x_6	
_x_7						
y1	.70311479	.69955373	.24393297	-.19921405	-.70663911	-.61808031
.09139132						
count:	count:	count:	count:	count:	count:	count:
_x_8	_x_9	_x_10	_x_11	_x_12	_x_13	
_x_14						
y1	-.16562946	-.32261967	1.9789462	1.41461	-.01759015	1.4270895
1.2539209						
count:	count:	count:	count:	count:	count:	count:
_x_15	_x_16	_x_17	_x_18	_x_19	_x_20	
_x_21						
y1	.19205783	.22007464	.18854883	.37602586	.54377104	.84287364
1.1702357						
count:	count:	count:	count:	count:	count:	count:
_x_22	_x_23	_x_24	_x_25	_x_26	_x_27	
_x_28						
y1	.11084769	.72561349	1.4600402	-.07954186	.01820962	-.14808713
.16783629						
lnalpha:	count:	count:	count:	count:	count:	count:
_cons	_x_29	_x_30	_x_31	_x_32	_x_33	_cons
y1	.2351549	.45964788	.02564465	.49139076	.77954425	-.88557959
-2.2179416						

nbreg, with gender-stereotypical exchange term

Negative binomial regression

```

-----
Dependent variable
count
Optimization:
ml
Number of observations:
256
Initial log likelihood:
-720.089
Log likelihood:
-532.375
LR chi square:
375.427
Model degrees of freedom:
34
Pseudo R-squared:
0.261
Dispersion:
mean
Prob:
0.000

```

nr	Effect	Coeff
s.e.		
1	count sei_endog	0.704**
0.093	1	
2	physatt_endog	0.699**
0.095	1	
3	exchange	0.207
0.186	1	
4	exchange_trad	0.067
0.249	1	
5	f4_seipc	-0.191
0.313	2	
6		-0.691
0.353	3	
7		-0.595
0.351	4	
8	m4_seipc	0.085
0.323	2	
9		-0.179
0.344	3	
10		-0.342
0.358	4	
11	m3_physatt4	1.982**
0.262	3	
12		1.426**
0.275	4	
13		0.001
0.329	5	

program4--table 7.log

14	f3_physatt4	3	1.424**
0.252			
15		4	1.241**
0.262			
16		5	0.173
0.299			
17	f4_seipc.f3_physatt4	2.3	0.218
0.360			
18		2.4	0.187
0.364			
19		2.5	0.375
0.403			
20		3.3	0.538
0.392			
21		3.4	0.838*
0.398			
22		3.5	1.168**
0.434			
23		4.3	0.103
0.389			
24		4.4	0.719
0.395			
25		4.5	1.457**
0.428			
26	m4_seipc.m3_physatt4	2.3	-0.079
0.362			
27		2.4	0.019
0.374			
28		2.5	-0.147
0.448			
29		3.3	0.171
0.376			
30		3.4	0.238
0.390			
31		3.5	0.460
0.452			
32		4.3	0.031
0.386			
33		4.4	0.495
0.399			
34		4.5	0.780
0.461			
35	_cons		-0.885**
0.307			
36	lnalpha		-2.221**
0.258	_cons		

-----  
 \* p < .05  
 \*\* p < .01

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	256	-720.0889	-532.3753	36	1136.751	1264.377

Note: N=Obs used in calculating BIC; see [R] BIC note  
 Page 319

program4--table 7.log

```

b2[1,36]
count:      count:      count:      count:      count:      count:
_x_1      _x_2      _x_3      _x_4      _x_5      _x_6
_x_7
y1      .70367615      .69868971      .20712453      .06725403      -.19120712      -.69058065
-.59507255

```

```

count:      count:      count:      count:      count:      count:
_x_8      _x_9      _x_10     _x_11     _x_12     _x_13
_x_14
y1      .08461146      -.17939105      -.34190986      1.9818128      1.4261024      .00090338
1.4238101

```

```

count:      count:      count:      count:      count:      count:
_x_15     _x_16     _x_17     _x_18     _x_19     _x_20
_x_21
y1      1.2412764      .17252484      .21785415      .18671763      .3754465      .53837538
.83776521

```

```

count:      count:      count:      count:      count:      count:
_x_22     _x_23     _x_24     _x_25     _x_26     _x_27
_x_28
y1      1.1676586      .10298077      .71931474      1.4570133      -.07850697      .01901551
-.14706289

```

```

count:      count:      count:      count:      count:      count:
_x_29     _x_30     _x_31     _x_32     _x_33     _x_34
_cons
y1      .17101753      .23784403      .46031316      .03054506      .49491866      .77999364
-.88465576

```

```

lalpha:
_cons
y1      -2.2209119

```

```

Contains data from ...\\temp_mim.dta
obs:      256
Adolescent

```

```

National Longitudinal Study of
Health (Add Health), 1994-2008: wave
2 Sep 2014 16:33

```

```

I
vars:      23
size:      22,784

```

```

-----
variable name  storage type  display format  value label  variable label
-----

```

```

sei_endog      byte      %9.0g
b1_1           float     %9.0g
v1_1           float     %9.0g
se1_1          float     %9.0g
b1_2           float     %9.0g
v1_2           float     %9.0g
se1_2          float     %9.0g
b1_3           float     %9.0g
v1_3           float     %9.0g

```



program4--table 7.log

```

se1_3      float    %9.0g
b2_1       float    %9.0g
v2_1       float    %9.0g
se2_1      float    %9.0g
b2_2       float    %9.0g
v2_2       float    %9.0g
se2_2      float    %9.0g
b2_3       float    %9.0g
v2_3       float    %9.0g
se2_3      float    %9.0g
b2_4       float    %9.0g
v2_4       float    %9.0g
se2_4      float    %9.0g
mj         float    %9.0g

```

Sorted by:  
 Note: dataset has changed since last saved

Variable	Obs	Mean	Std. Dev.	Min	Max
sei_endog	256	.25	.4338609	0	1
b1_1	256	.7031148	0	.7031148	.7031148
v1_1	256	.0086178	0	.0086178	.0086178
se1_1	256	.0928322	0	.0928322	.0928322
b1_2	256	.6995537	0	.6995537	.6995537
v1_2	256	.0089364	0	.0089364	.0089364
se1_2	256	.0945325	0	.0945325	.0945325
b1_3	256	.243933	0	.243933	.243933
v1_3	256	.0159383	0	.0159383	.0159383
se1_3	256	.1262472	0	.1262472	.1262472
b2_1	256	.7036762	0	.7036762	.7036762
v2_1	256	.0086056	0	.0086056	.0086056
se2_1	256	.0927661	0	.0927661	.0927661
b2_2	256	.6986897	0	.6986897	.6986897
v2_2	256	.0089323	0	.0089323	.0089323
se2_2	256	.0945109	0	.0945109	.0945109
b2_3	256	.2071245	0	.2071245	.2071245
v2_3	256	.0345189	0	.0345189	.0345189
se2_3	256	.1857927	0	.1857927	.1857927
b2_4	256	.067254	0	.067254	.067254
v2_4	256	.0618986	0	.0618986	.0618986
se2_4	256	.2487942	0	.2487942	.2487942
mj	256	10	0	10	10

(255 observations deleted)  
 file ...\temp10.dta saved

```

. *** see Rubin, D.B. (1987) Multiple Imputation for Nonresponse in Surveys. J Wiley
& Sons
> , NY ***;
. *** also see sites.stat.psu.edu/~jls/mifaq.html#howto ***;
. use "...\temp1", clear ;
(National Longitudinal Study of Adolescent Health (Add Health), 1994-2008: wave I)

. forvalues i=2/10 { ;
2. append using "...\temp`i'" ;
3. } ;

. ** p-values for model without gender-stereotypical term **;

```

program4--table 7.log

```

. forvalues j=1/3 { ;
2. * we need to average the coef estimates *;
. egen avg_b`j'=mean(b1_`j') ;
3. * we need to average the within-imputation variance *;
. egen wi_v`j'=mean(v1_`j') ;
4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b1_`j') ;
5. gen bi_var`j' = (bi_sd`j')^2 ;
6. * calculate total variance *;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance *;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
7. sum b1_`j' avg_b`j' v1_`j' var_b`j' ;
8. display "p-value for b1_`j'" ;
9. gen abv_avg_b`j'=abs(avg_b`j') ;
10. display (1-normal(abv_avg_b`j'/sqrt(var_b`j')))*2 ;
11. } ;

```

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_1	10	.685426	.0728517	.5888528	.8018084
avg_b1	10	.6854261	0	.6854261	.6854261
v1_1	10	.0082983	.0005698	.0072061	.0088706
var_b1	10	.0141364	0	.0141364	.0141364

p-value for b1\_1  
8.171e-09

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_2	10	.6711827	.0228112	.6277667	.6995537
avg_b2	10	.6711827	0	.6711827	.6711827
v1_2	10	.0085675	.0005291	.0075065	.0090683
var_b2	10	.0091399	0	.0091399	.0091399

p-value for b1\_2  
2.210e-12

Variable	Obs	Mean	Std. Dev.	Min	Max
b1_3	10	.2107656	.0768206	.030016	.289364
avg_b3	10	.2107656	0	.2107656	.2107656
v1_3	10	.0156422	.0007709	.0142982	.0166146
var_b3	10	.0221337	0	.0221337	.0221337

p-value for b1\_3  
.1565758

```

. drop avg_* wi_* bi_* var_* abv_* ;

. ** p-values for model with gender-stereotypical term **;
. forvalues j=1/4 { ;
2. * we need to average the coef estimates *;
. egen avg_b`j'=mean(b2_`j') ;
3. * we need to average the within-imputation variance *;
. egen wi_v`j'=mean(v2_`j') ;
4. * we need the between-imputation variance *;
. egen bi_sd`j' = sd(b2_`j') ;
5. gen bi_var`j' = (bi_sd`j')^2 ;
6. * calculate total variance *;
. * total variance = average within-imputation variance + (1 +
1/m)*between-imputation vari
> ance *;
. gen var_b`j' = wi_v`j' + (11/10)*bi_var`j' ;
7. sum b2_`j' avg_b`j' v2_`j' var_b`j' ;

```

```

program4--table 7.log
8. display "p-value for b2_`j`" ;
9. gen abv_avg_b`j`=abs(avg_b`j`) ;
10. display (1-normal(abv_avg_b`j`/sqrt(var_b`j`)))*2 ;
11. } ;

```

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_1	10	.6867946	.0732768	.5902264	.805616
avg_b1	10	.6867946	0	.6867946	.6867946
v2_1	10	.0082366	.0005886	.0071354	.0088083
var_b1	10	.0141431	0	.0141431	.0141431

p-value for b2\_1  
7.693e-09

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_2	10	.6686164	.0225806	.6247533	.6986897
avg_b2	10	.6686164	0	.6686164	.6686164
v2_2	10	.0085191	.0005487	.0074479	.0090114
var_b2	10	.0090799	0	.0090799	.0090799

p-value for b2\_2  
2.271e-12

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_3	10	.1196051	.0890653	-.0676308	.2503721
avg_b3	10	.1196051	0	.1196051	.1196051
v2_3	10	.0345951	.0016499	.0321589	.0369815
var_b3	10	.043321	0	.043321	.043321

p-value for b2\_3  
.56553051

Variable	Obs	Mean	Std. Dev.	Min	Max
b2_4	10	.1637876	.1552373	-.0878161	.3982238
avg_b4	10	.1637876	0	.1637876	.1637876
v2_4	10	.0616924	.0033882	.0563628	.0661227
var_b4	10	.0882009	0	.0882009	.0882009

p-value for b2\_4  
.58129203

```

. * Average BIC for model w/o gender-trad (gender-stereotypical exchange) term ;
. display (1238.889 + 1259.169 + 1268.6 + 1253.695 + 1230.934 + 1254.042 +
1250.427 + 123
> 6.665 + 1255.572 + 1258.905)/10 ;
1250.6898

```

```

. * Average BIC for model w/ gender-trad term ;
. display (1244.01 + 1262.879 + 1273.674 + 1258.618 + 1235.582 + 1258.843 +
1255.915 + 123
> 9.418 + 1260.995 + 1264.377)/10 ;
1255.4311

```

```

. * Note--lower BIC indicates better fit so this suggests that the model without the
gender
> -trad (gender-stereotypical exchange) term fits the data better ;
. *** End Program ***;
. clear ;

. log close ;
name: <unnamed>
log: ...program4--table 7.log
log type: text

```

program4--table 7.log  
closed on: 2 Sep 2014, 16:33:46

---