

Table A3.1: Demographic Statistics. Weighted Means, Standard Deviations and Ranges. Coefficients for Simple Model Predicting Attitudes Toward Human Enhancement.

<u>Demographics</u>	Public Sample					Bioengineer Sample			
	Mean	SD	Range	Coeff.		Mean	SD	Range	Coeff.
Education BA+	.115	.318	0-1	-.729					
Education BA	.181	.385	0-1	-.426					
Education Some College	.332	.471	0-1	.010					
Education HS or Less	.373	.484	0-1	ref					
Female	.511	.500	0-1	-1.59***		.267	.442	0-1	-1.55***
Male	.489	.500	0-1	ref		.683	.466	0-1	ref
Other Gender or no report						.050	.219	0-1	-1.55
Income Categories	5.56	2.37	1-9	-.152*					
Age	47.7	17.85	18-95	-.019*					
African American	.116	.320	0-1	.695		.018	.131	0-1	-1.08
Latino-a /Latino-a American	.147	.354	0-1	.563		.083	.276	0-1	.192
Asian/Asian American	.040	.195	0-1	1.52**		.224	.417	0-1	.259
White	.663	.473	0-1	ref		.633	.482	0-1	ref
Other Race	.035	.183	0-1	.656		.060	.237	0-1	-1.09
<u>Political</u>									
Conservatism Scale	3.15	1.11	1-5	-.812***		3.21	1.30	1-7	-.314*
Republican	.302	.459	0-1	-1.72***		.087	.282	0-1	-1.60**
Independent	.383	.486	0-1	-.234		.288	.453	0-1	.037
Democrat	.315	.465	0-1	ref		.625	.484	0-1	ref
<u>Religious Identity Measures</u>									
Catholic	.107	.309	0-1	-.947*		.073	.260	0-1	-1.14
Conservative Protestant	.175	.380	0-1	-3.08***		.101	.301	0-1	-1.87**
Liberal Protestant	.042	.201	0-1	-.805		.068	.251	0-1	-.408
Other Religion	.028	.165	0-1	-.536		.179	.384	0-1	.067
Identity-Rejecting Protestant	.034	.181	0-1	-1.58					
Low Commitment Christian	.275	.447	0-1	-.059		.086	.281	0-1	-.547
Religiously Indifferent	.287	.453	0-1	ref		.207	.405	0-1	ref
Agnostic/Atheist	.051	.221	0-1	1.07**		.286	.452	0-1	.289
<u>Bioengineer Status Measures</u>									
U.S. News Ranking						57.8	44.8	1-145	-.012**
Chair						.144	.352	0-1	-.355
Research Faculty						.058	.234	0-1	.095
<u>Professor Rank</u>									
Full Professor						.449	.498	0-1	ref
Associate Professor						.224	.417	0-1	.204
Assistant Professor						.234	.423	0-1	1.325***
Lecturer						.073	.260	0-1	-.029
Other Faculty						.021	.142	0-1	.462

Note: Coeff is the coefficient in an OLS model predicting an additive index of the six enhancement questions, with a separate model for each set of demographic characteristics. “Ref” = the reference group for each set of characteristics. Blank cells represent data not collected. ***= $p < .001$, ** = $p < .01$, * = $p < .05$

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Table A3.2: Bioengineering Specialties Scores on Overall Enhancement Index

	Percent Selecting Specialty	Mean on Enhancement Index	Mean on Gratitude Index
Bioinformatics	13.3	20.5	12.3
Bioinstrumentation	22.0	20.4	11.7
Biomaterials	27.3	20.0	11.6
Biomechanics	24.5	19.9	11.1
Biomechatronics	3.3	21.9	11.7
Biomimetics	5.3	20.8	12.1
Bionanotechnology	16.0	20.8	11.8
Bioprocess Engineering	5.4	18.6	11.0
Biotechnology	23.0	20.7	11.8
Clinical Engineering	5.3	18.2	11.8
Genetic Engineering	7.6	21.5	12.8
Medical Engineering	19.6	20.4	11.7
Neuroengineering	17.9	20.6	12.1
Orthopedic and Rehabilitation Engineering	10.4	20.6	10.8
Synthetic Biology	6.5	21.1	12.3
Systems Biology	10.9	19.5	12.0
Systems Physiology	6.8	19.2	11.8
Telehealth	3.3	20.3	11.7
Tissue Engineering and Regenerative Medicine	23.9	20.1	11.5
Other	12.1	19.7	11.5

Note: Answers to “Which sub-fields of bioengineering do you work in? Check all that apply:”
The enhancement index has a 24-point range, and the gratitude index has a 16 point range.

Table A3.3
(running sem on estimation sample)

Survey: Structural equation model
 Number of strata = 118
 Number of PSUs = 729
 Number of obs = 3,307
 Population size = 3,291.4092
 Design df = 611

(1) [enhance_intelligence]Enhance_index_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]	
Structural							
Enhance_index_sem							
relig_catholic		-.0195571	.0287595	-0.68	0.497	-.0760366	.0369224
relig_cons_prot		-.1625718	.0450284	-3.61	0.000	-.251001	-.0741427
relig_lib_prot		-.0228335	.0337051	-0.68	0.498	-.0890255	.0433584
relig_other		-.013105	.0154489	-0.85	0.397	-.0434443	.0172343
relig_noidentity		-.0392935	.0288306	-1.36	0.173	-.0959126	.0173257
relig_agm_ath		.0448595	.01829	2.45	0.014	.0089406	.0807783
relig_lowpartic		.0231504	.0331498	0.70	0.485	-.041951	.0882518
conservatism		-.0975182	.0323348	-3.02	0.003	-.161019	-.0340173
income_norc		-.0635801	.030961	-2.05	0.040	-.124383	-.0027773
gender_female		-.1475835	.027552	-5.36	0.000	-.2016917	-.0934753
age		-.0036015	.0287355	-0.13	0.900	-.0600339	.0528309
educ_BAplus		-.0462662	.028242	-1.64	0.102	-.1017293	.0091969
educ_BA		-.0365262	.0268441	-1.36	0.174	-.0892441	.0161918
educ_SomeColl		.0048499	.0277173	0.17	0.861	-.0495828	.0592827
republican_dich		-.0438863	.0441116	-0.99	0.320	-.1305151	.0427425
independent_dich		-.0170381	.0334399	-0.51	0.611	-.0827092	.0486329
rC_hisp		.0210469	.0265378	0.79	0.428	-.0310694	.0731632
rC_afam		.0560846	.0265569	2.11	0.035	.0039307	.1082386
rC_asian		.0591901	.0243673	2.43	0.015	.0113364	.1070439
rC_other		.0326931	.0215374	1.52	0.130	-.0096032	.0749894
Measurement							
enhance_intelligence							
Enhance_index_sem		.8500684	.0101782	83.52	0.000	.8300799	.8700568
_cons		3.392698	.1098047	30.90	0.000	3.177058	3.608339
enhance_immune							
Enhance_index_sem		.6124796	.0231726	26.43	0.000	.5669719	.6579873
_cons		4.105929	.1205822	34.05	0.000	3.869123	4.342735
enhance_strength							
Enhance_index_sem		.7404875	.0209155	35.40	0.000	.6994126	.7815625
_cons		3.078112	.1028042	29.94	0.000	2.876219	3.280004
enhance_longlife							
Enhance_index_sem		.6972098	.0175164	39.80	0.000	.6628102	.7316095
_cons		2.883252	.0989985	29.12	0.000	2.688834	3.077671
enhance_happy							
Enhance_index_sem		.6914898	.0220848	31.31	0.000	.6481184	.7348611
_cons		3.54994	.0990959	35.82	0.000	3.35533	3.74455
enhance_littlesleep							
Enhance_index_sem		.610216	.0162203	37.62	0.000	.5783616	.6420703
_cons		2.655252	.0848629	31.29	0.000	2.488593	2.82191
var(e.enhance_intelligence)		.2773838	.0173043			.2453999	.3135362
var(e.enhance_immune)		.6248688	.0283855			.5715379	.683176
var(e.enhance_strength)		.4516782	.0309753			.3947657	.5167957
var(e.enhance_longlife)		.5138984	.0244252			.4681014	.564176
var(e.enhance_happy)		.5218419	.0305428			.4651791	.5854067
var(e.enhance_littlesleep)		.6276365	.0197958			.5899399	.6677419
var(e.Enhance_index_sem)		.898333	.0141603			.8709502	.9265767

Note: Strata with single sampling unit centered at overall mean.

Table A3.4

Survey: Structural equation model
 Number of strata = 1
 Number of PSUs = 1,031

Number of obs = 1,031
 Population size = 1,032.8485
 Design df = 1,030

(1) [enhance_intelligence]Enhance_index_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]	
Structural							
Enhance_index_sem							
relig_catholic		-.0313954	.0394457	-0.80	0.426	-.1087984	.0460076
relig_cons_prot		-.062958	.0383665	-1.64	0.101	-.1382434	.0123274
relig_lib_prot		-.0015881	.037235	-0.04	0.966	-.0746533	.0714771
relig_other		.0107146	.0416859	0.26	0.797	-.0710844	.0925136
relig_lowpartic		-.0096455	.0420117	-0.23	0.818	-.0920839	.0727928
relig_agn_ath		.0296264	.0475937	0.62	0.534	-.0637653	.1230181
gender_female		-.1718809	.0336499	-5.11	0.000	-.237911	-.1058508
gender_oth_nosay		-.0731648	.0335834	-2.18	0.030	-.1390645	-.0072652
rC_hisp		.0253478	.0347364	0.73	0.466	-.0428145	.09351
rC_asian		.0416688	.0362083	1.15	0.250	-.0293816	.1127192
rC_other		-.0531231	.0371437	-1.43	0.153	-.1260091	.0197628
conservatism		-.0408624	.0513192	-0.80	0.426	-.1415645	.0598397
republican_dich		-.0277429	.0461825	-0.60	0.548	-.1183655	.0628796
independent_dich		.0622584	.0396378	1.57	0.117	-.0155216	.1400385
chair		.0156544	.0408234	0.38	0.701	-.064452	.0957609
research		-.0300163	.0328586	-0.91	0.361	-.0944937	.0344611
us_news_rank		-.0874475	.0359278	-2.43	0.015	-.1579475	-.0169475
rank_assoc		.0695109	.0382742	1.82	0.070	-.0055934	.1446152
rank_asst		.1512897	.0374605	4.04	0.000	.0777821	.2247972
rank_lectur		.0249947	.0351463	0.71	0.477	-.0439718	.0939613
rank_other		.0184284	.0363706	0.51	0.612	-.0529406	.0897973
Measurement							
enhance_intelligence							
Enhance_index_sem		.8099627	.0198257	40.85	0.000	.7710594	.8488866
_cons		2.710252	.1413253	19.18	0.000	2.432934	2.987571
enhance_immune							
Enhance_index_sem		.484004	.0324233	14.93	0.000	.4203807	.5476272
_cons		4.151827	.1709533	24.29	0.000	3.816371	4.487284
enhance_strength							
Enhance_index_sem		.7401782	.0237339	31.19	0.000	.693606	.7867505
_cons		2.657258	.1300513	20.43	0.000	2.402062	2.912454
enhance_longlife							
Enhance_index_sem		.6215036	.0277278	22.41	0.000	.5670942	.6759131
_cons		2.603049	.1131543	23.00	0.000	2.38101	2.825088
enhance_happy							
Enhance_index_sem		.5706347	.0290776	19.62	0.000	.5135767	.6276927
_cons		3.171291	.1265081	25.07	0.000	2.923048	3.419534
enhance_littlesleep							
Enhance_index_sem		.6491446	.0250117	25.95	0.000	.6000649	.6982243
_cons		2.231188	.1084396	20.58	0.000	2.0184	2.443975
var(e.enhance_intelligence)		.3439604	.0321161			.2863762	.4131235
var(e.enhance_immune)		.7657402	.031386			.706564	.8298725
var(e.enhance_strength)		.4521362	.0351346			.3881918	.5266137
var(e.enhance_longlife)		.6137332	.0344659			.549695	.6852317
var(e.enhance_happy)		.674376	.0331853			.6123026	.7427422
var(e.enhance_littlesleep)		.5786113	.0324724			.5182748	.6459719
var(e.Enhance_index_sem)		.9218963	.0183899			.8865075	.9586978

NOTE: Reference groups are for religion, atheists/agnostics. For gender, male. For race, white. For party identification, democrat. For rank, full professor.

Table A5.1: SEM Results. Public Data.

(running sem on estimation sample)

Survey: Structural equation model
 Number of strata = 117
 Number of PSUs = 713

Number of obs = 3,243
 Population size = 3,229.6062
 Design df = 596

(1) [enhance_intelligence]Enhance_index_sem = 1
 (2) [Coll_Mrl_Const_1]Coll_Mrl_Const = 1
 (3) [Creat_Grat_control]Creat_Grat_sem = 1
 (4) [sci_confid2]Sci_scientism_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]	

Structural							
Enhance_index_sem							
Coll_Mrl_Const		.2201	.0280026	7.86	0.000	.1651042	.2750958
Creat_Grat_sem		.1985667	.0327451	6.06	0.000	.1342568	.2628766
Sci_scientism_sem		.4174348	.0307935	13.56	0.000	.3569578	.4779119
relig_catholic		.0360308	.029563	1.22	0.223	-.0220296	.0940912
relig_cons_prot		-.009069	.0421141	-0.22	0.830	-.0917791	.0736412
relig_lib_prot		-.0087299	.0254219	-0.34	0.731	-.0586573	.0411975
relig_other		-.0022538	.0140289	-0.16	0.872	-.0298058	.0252983
relig_noidentity		-.0112197	.024478	-0.46	0.647	-.0592934	.0368539
relig_agn_ath		-.0243601	.0184372	-1.32	0.187	-.0605698	.0118497
relig_lowpartic		.0507199	.0339209	1.50	0.135	-.0158992	.1173391
conservatism		-.0004068	.0321289	-0.01	0.990	-.0635063	.0626928
income_norc		-.054095	.0282659	-1.91	0.056	-.1096079	.0014179
gender_female		-.0788011	.0266598	-2.96	0.003	-.1311598	-.0264425
age		.0795509	.0277277	2.87	0.004	.0250949	.1340068
educ_BAplus		-.0680134	.0277312	-2.45	0.014	-.1224762	-.0135506
educ_BA		-.0517621	.0280918	-1.84	0.066	-.1069331	.0034089
educ_SomeColl		.0196854	.0275241	0.72	0.475	-.0343706	.0737414
republican_dich		.0668736	.0391745	1.71	0.088	-.0100633	.1438104
independent_dich		.0447945	.0313791	1.43	0.154	-.0168324	.1064215
rC_hisp		.0254421	.0239238	1.06	0.288	-.0215431	.0724272
rC_afram		.0372578	.0246261	1.51	0.131	-.0111067	.0856223
rC_asian		.0506774	.0293206	1.73	0.084	-.0069068	.1082617
rC_other		.0287917	.0199104	1.45	0.149	-.0103114	.0678947

Coll_Mrl_Const							
relig_catholic		-.0992098	.0268315	-3.70	0.000	-.1519056	-.046514
relig_cons_prot		-.2987045	.0298429	-10.01	0.000	-.3573146	-.2400945
relig_lib_prot		-.0658901	.0288098	-2.29	0.023	-.1224712	-.0093091
relig_other		-.0358084	.0157407	-2.27	0.023	-.0667225	-.0048943
relig_noidentity		-.0749934	.0186824	-4.01	0.000	-.1116847	-.0383021
relig_agn_ath		.0057718	.0142766	0.40	0.686	-.0222667	.0338104
relig_lowpartic		-.0196755	.0303131	-0.65	0.517	-.0792089	.039858
conservatism		-.1078803	.0359232	-3.00	0.003	-.1784318	-.0373288
income_norc		-.046048	.0253996	-1.81	0.070	-.0959316	.0038356
gender_female		.0520138	.0252514	2.06	0.040	.0024212	.1016065
age		.0075265	.0261055	0.29	0.773	-.0437434	.0587965
educ_BAplus		-.1773179	.0268352	-6.61	0.000	-.2300209	-.1246149
educ_BA		-.1836873	.0303164	-6.06	0.000	-.2432272	-.1241474
educ_SomeColl		-.1319377	.0265478	-4.97	0.000	-.1840763	-.0797991
republican_dich		.0270407	.040624	0.67	0.506	-.0527428	.1068242
independent_dich		-.003976	.0314203	-0.13	0.899	-.065684	.057732
rC_hisp		.0830821	.0238197	3.49	0.001	.0363013	.1298629
rC_afram		.1091108	.0256446	4.25	0.000	.058746	.1594756
rC_asian		.0171024	.0346193	0.49	0.621	-.0508883	.0850931
rC_other		.0127383	.0237756	0.54	0.592	-.0339558	.0594323

Creat_Grat_sem							
relig_catholic		-.0335185	.0368902	-0.91	0.364	-.105969	.0389321
relig_cons_prot		-.0480836	.0488982	-0.98	0.326	-.1441174	.0479502
relig_lib_prot		.0109198	.043194	0.25	0.801	-.0739113	.0957508
relig_other		-.0014242	.0213438	-0.07	0.947	-.0433423	.040494
relig_noidentity		.0005303	.028113	0.02	0.985	-.0546823	.0557428
relig_agn_ath		.0873474	.0244146	3.58	0.000	.0393983	.1352965
relig_lowpartic		-.048441	.0386401	-1.25	0.210	-.1243284	.0274463
conservatism		-.0006111	.0369954	-0.02	0.987	-.0732683	.072046
income_norc		.0319655	.0337124	0.95	0.343	-.0342442	.0981751
gender_female		-.1373068	.0318082	-4.32	0.000	-.1997767	-.0748369
age		-.0575023	.0355706	-1.62	0.107	-.1273612	.0123567
educ_BAplus		.0394802	.0365996	1.08	0.281	-.0323996	.1113599
educ_BA		.0315054	.0360078	0.87	0.382	-.0392122	.1022231
educ_SomeColl		-.0022409	.0390016	-0.06	0.954	-.0788382	.0743564
republican_dich		-.0923453	.0426585	-2.16	0.031	-.1761245	-.0085661
independent_dich		.0097539	.0426918	0.23	0.819	-.0740907	.0935985
rC_hisp		-.024017	.0309055	-0.78	0.437	-.0847139	.0366799

	rC_afram	-.0053791	.03366	-0.16	0.873	-.0714858	.0607275
	rC_asian	.0606682	.0330124	1.84	0.067	-.0041666	.1255031
	rC_other	-.0222616	.0249054	-0.89	0.372	-.0711746	.0266514

Sci_scientism_sem							
	relig_catholic	-.059074	.0276985	-2.13	0.033	-.1134725	-.0046755
	relig_cons_prot	-.2014688	.036879	-5.46	0.000	-.2738973	-.1290402
	relig_lib_prot	-.0051397	.030905	-0.17	0.868	-.0658356	.0555562
	relig_other	.0017309	.011593	0.15	0.881	-.0210373	.024499
	relig_noidentity	-.0528996	.0156444	-3.38	0.001	-.0836244	-.0221749
	relig_agn_ath	.1230642	.0160179	7.68	0.000	.0916058	.1545226
	relig_lowpartic	-.0501771	.0302219	-1.66	0.097	-.1095314	.0091772
	conservatism	-.1982394	.0361651	-5.48	0.000	-.2692659	-.127213
	income_norc	-.0207468	.0267054	-0.78	0.438	-.073195	.0317014
	gender_female	-.1313569	.0211108	-6.22	0.000	-.1728174	-.0898963
	age	-.1706578	.0237348	-7.19	0.000	-.2172717	-.1240438
	educ_BAplus	.1429893	.0263018	5.44	0.000	.0913338	.1946449
	educ_BA	.1316919	.0274322	4.80	0.000	.0778164	.1855674
	educ_SomeColl	.0484461	.0283846	1.71	0.088	-.0072998	.104192
	republican_dich	-.2028963	.0358754	-5.66	0.000	-.2733539	-.1324387
	independent_dich	-.1430168	.0281666	-5.08	0.000	-.1983348	-.0876989
	rC_hisp	-.0525959	.0249673	-2.11	0.036	-.1016304	-.0035614
	rC_afram	-.0147857	.0250428	-0.59	0.555	-.0639686	.0343971
	rC_asian	-.0119445	.0211767	-0.56	0.573	-.0535345	.0296455
	rC_other	.0181408	.017096	1.06	0.289	-.0154349	.0517165

Measurement							
enhance_intelligence							
	Enhance_index_sem	.8502979	.0097929	86.83	0.000	.8310652	.8695306
	_cons	3.434279	.1124906	30.53	0.000	3.213353	3.655205

enhance_immune							
	Enhance_index_sem	.6089481	.0220242	27.65	0.000	.5656936	.6522026
	_cons	4.14409	.1246797	33.24	0.000	3.899225	4.388955

enhance_strength							
	Enhance_index_sem	.7356466	.0206283	35.66	0.000	.6951337	.7761596
	_cons	3.103167	.1050452	29.54	0.000	2.896863	3.309471

enhance_longlife							
	Enhance_index_sem	.6872987	.0177461	38.73	0.000	.6524462	.7221513
	_cons	2.907326	.1007469	28.86	0.000	2.709464	3.105188

enhance_happy							
	Enhance_index_sem	.6869131	.0227841	30.15	0.000	.6421663	.7316599
	_cons	3.573229	.1013803	35.25	0.000	3.374123	3.772336

enhance_littlesleep							
	Enhance_index_sem	.5956489	.0168294	35.39	0.000	.5625967	.6287011
	_cons	2.672709	.0857206	31.18	0.000	2.504357	2.84106

Coll_Mrl_Const_1							
	Coll_Mrl_Const	.6996772	.0276115	25.34	0.000	.6454496	.7539048
	_cons	2.635691	.0937551	28.11	0.000	2.451561	2.819822

Coll_Mrl_Const_2							
	Coll_Mrl_Const	.7799119	.0199771	39.04	0.000	.740678	.8191459
	_cons	3.004139	.1054486	28.49	0.000	2.797043	3.211235

Coll_Mrl_Const_3							
	Coll_Mrl_Const	.8211456	.0135393	60.65	0.000	.794555	.8477362
	_cons	2.971599	.1054404	28.18	0.000	2.764519	3.178679

Coll_Mrl_Const_4							
	Coll_Mrl_Const	.7171101	.016648	43.07	0.000	.6844142	.7498061
	_cons	2.813639	.0859559	32.73	0.000	2.644826	2.982452

Creat_Grat_control							
	Creat_Grat_sem	.5113631	.0379774	13.46	0.000	.4367772	.5859489
	_cons	2.190061	.0941123	23.27	0.000	2.00523	2.374893

Creat_Grat_mystery							
	Creat_Grat_sem	.5998137	.0411074	14.59	0.000	.5190807	.6805467
	_cons	2.17934	.0995116	21.90	0.000	1.983904	2.374776

Creat_Grat_leave							
	Creat_Grat_sem	.6750725	.0346618	19.48	0.000	.6069984	.7431465
	_cons	2.335552	.1120224	20.85	0.000	2.115545	2.555558

Creat_Grat_incharge							
	Creat_Grat_sem	.409565	.0360767	11.35	0.000	.3387121	.4804179
	_cons	2.057774	.0723527	28.44	0.000	1.915677	2.199872

sci_confid2						
Sci_scientism_sem		.6549526	.0205289	31.90	0.000	.6146348
_cons		4.336179	.1030876	42.06	0.000	4.13372

sci_morals2						
Sci_scientism_sem		.7371666	.0167916	43.90	0.000	.7041887
_cons		4.057079	.115136	35.24	0.000	3.830957

sci_anssci						
Sci_scientism_sem		.714815	.0211081	33.86	0.000	.6733597
_cons		3.667096	.0949904	38.60	0.000	3.480539

sci_setgoal						
Sci_scientism_sem		.759446	.0157245	48.30	0.000	.7285639
_cons		3.70511	.1036237	35.76	0.000	3.501598

sci_oppor						
Sci_scientism_sem		.460202	.0216701	21.24	0.000	.4176429
_cons		4.892628	.1239286	39.48	0.000	4.649238

var(e.enhance_intelligence)		.2769935	.0166537			.2461437
var(e.enhance_immune)		.6291822	.0268232			.5786477
var(e.enhance_strength)		.458824	.0303502			.402927
var(e.enhance_longlife)		.5276205	.0243938			.4818229
var(e.enhance_happy)		.5281504	.0313013			.4701188
var(e.enhance_littlesleep)		.6452024	.0200489			.6070048
var(e.Coll_Mrl_Const_1)		.5104518	.0386382			.4399392
var(e.Coll_Mrl_Const_2)		.3917374	.0311607			.33508
var(e.Coll_Mrl_Const_3)		.3257199	.0222355			.2848513
var(e.Coll_Mrl_Const_4)		.4857531	.0238769			.4410522
var(e.Creat_Grat_control)		.7385078	.0388405			.6660343
var(e.Creat_Grat_mystery)		.6402235	.0493136			.5503437
var(e.Creat_Grat_leave)		.5442771	.0467984			.4597085
var(e.Creat_Grat_incharge)		.8322565	.0295515			.7761962
var(e.sci_confid2)		.5710371	.0268909			.5205933
var(e.sci_morals2)		.4565854	.0247564			.4104642
var(e.sci_anssci)		.4890395	.0301767			.4332242
var(e.sci_setgoal)		.4232418	.0238837			.3788411
var(e.sci_oppor)		.7882142	.0199452			.7500001
var(e.Enhance_index_sem)		.7051951	.0213202			.6645421
var(e.Coll_Mrl_Const)		.8174599	.0180011			.7828601
var(e.Creat_Grat_sem)		.9297543	.01409			.90249
var(e.Sci_scientism_sem)		.661092	.0217762			.6196786

cov(e.Creat_Grat_control,						
e.Creat_Grat_incharge)		.5202846	.0308477	16.87	0.000	.4597012

Note: Strata with single sampling unit centered at overall mean.

Table A5.2: SEM Results. Bioengineer Data.

(running sem on estimation sample)

Survey: Structural equation model

Number of strata = 1

Number of PSUs = 1,021

Number of obs = 1,021

Population size = 1,023.9351

Design df = 1,020

- (1) [enhance_intelligence]Enhance_index_sem = 1
 (2) [Coll_Mrl_Const_1]Coll_Mrl_Const = 1
 (3) [Creat_Grat_control]Creat_Grat_sem = 1
 (4) [sci_anssci]Sci_scientism_sem = 1

	Standardized	Linearized				
	Coefficient	std.err.	t	P> t	[95% conf. interval]	

Structural						
Enhance_index_sem						
Coll_Mrl_Const	.183718	.0375031	4.90	0.000	.110126	.25731
Creat_Grat_sem	.4387499	.0561505	7.81	0.000	.3285662	.5489337
Sci_scientism_sem	.1859647	.0497405	3.74	0.000	.0883594	.28357
relig_catholic	-.0190431	.036906	-0.52	0.606	-.0914634	.0533773
relig_cons_prot	.0377839	.0410437	0.92	0.357	-.0427558	.1183236
relig_lib_prot	.0117934	.0401326	0.29	0.769	-.0669586	.0905453
relig_other	.030366	.0424718	0.71	0.475	-.0529761	.113708
relig_lowpartic	-.0285854	.0398537	-0.72	0.473	-.1067899	.0496191
relig_agn_ath	-.0314507	.0467535	-0.67	0.501	-.1231947	.0602934
gender_female	-.0364926	.040303	-0.91	0.365	-.1155789	.0425938
gender_oth_nosay	-.0143754	.031924	-0.45	0.653	-.0770196	.0482688
rC_hisp	-.0061927	.031912	-0.19	0.846	-.0688134	.0564279
rC_asian	.0597913	.0376399	1.59	0.112	-.0140692	.1336519
rC_other	-.0367568	.0379663	-0.97	0.333	-.1112578	.0377441
conservatism	.0115736	.0486824	0.24	0.812	-.0839555	.1071028
republican_dich	-.0089054	.0434792	-0.20	0.838	-.0942243	.0764136
independent_dich	.0815073	.0387773	2.10	0.036	.0054149	.1575997
chair	.0184231	.0393525	0.47	0.640	-.0587981	.0956443
research	-.007168	.0396019	-0.18	0.856	-.0848786	.0705426
us_news_rank	-.0297874	.0364664	-0.82	0.414	-.1013452	.0417704
rank_assoc	.0501858	.0368002	1.36	0.173	-.0220269	.1223985
rank_asst	.0978705	.0385791	2.54	0.011	.022167	.1735739
rank_lectur	.0090472	.0344351	0.26	0.793	-.0585245	.0766189
rank_other	.0389675	.0348531	1.12	0.264	-.0294246	.1073596

Coll_Mrl_Const						
relig_catholic	-.1017595	.0356987	-2.85	0.004	-.1718109	-.0317081
relig_cons_prot	-.1755745	.0439569	-3.99	0.000	-.2618308	-.0893182
relig_lib_prot	-.0370815	.0360791	-1.03	0.304	-.1078794	.0337163
relig_other	-.0202806	.042998	-0.47	0.637	-.1046554	.0640941
relig_lowpartic	.0659641	.0393341	1.68	0.094	-.0112209	.143149
relig_agn_ath	-.0099438	.0448192	-0.22	0.824	-.0978921	.0780045
gender_female	.0133419	.0342317	0.39	0.697	-.0538306	.0805145
gender_oth_nosay	-.0566467	.0341485	-1.66	0.097	-.123656	.0103626
rC_hisp	.0504329	.0393571	1.28	0.200	-.0267973	.1276631
rC_asian	.162396	.0387167	4.19	0.000	.0864225	.2383695
rC_other	.0301596	.0401813	0.75	0.453	-.0486878	.109007
conservatism	-.1120718	.0503543	-2.23	0.026	-.2108817	-.013262
republican_dich	-.0067242	.0508814	-0.13	0.895	-.1065683	.09312
independent_dich	.10151	.0405661	2.50	0.012	.0219074	.1811126
chair	-.027188	.0379234	-0.72	0.474	-.1016047	.0472287
research	.0014666	.0431953	0.03	0.973	-.0832953	.0862284
us_news_rank	.0904368	.0348849	2.59	0.010	.0219824	.1588911
rank_assoc	.0251408	.0367537	0.68	0.494	-.0469807	.0972624
rank_asst	.1052735	.0379565	2.77	0.006	.0307917	.1797552
rank_lectur	.0504339	.0318559	1.58	0.114	-.0120767	.1129444
rank_other	.0435107	.0374975	1.16	0.246	-.0300704	.1170918

Creat_Grat_sem						
relig_catholic	.0631104	.0471707	1.34	0.181	-.0294523	.1556731
relig_cons_prot	-.0315304	.0480215	-0.66	0.512	-.1257627	.0627018
relig_lib_prot	.0449316	.0447541	1.00	0.316	-.0428891	.1327523
relig_other	-.0206625	.0503938	-0.41	0.682	-.1195498	.0782248
relig_lowpartic	.02822	.0474182	0.60	0.552	-.0648283	.1212684
relig_agn_ath	.1542141	.0545077	2.83	0.005	.0472541	.261174
gender_female	-.299733	.0403087	-7.44	0.000	-.3788305	-.2206355
gender_oth_nosay	-.0725355	.0351188	-2.07	0.039	-.1414489	-.0036221
rC_hisp	.0376539	.0401346	0.94	0.348	-.0411018	.1164096
rC_asian	-.1500323	.0485116	-3.09	0.002	-.2452263	-.0548383
rC_other	-.0215469	.0454344	-0.47	0.635	-.1107025	.0676087
conservatism	-.0317926	.0602807	-0.53	0.598	-.1500809	.0864958
republican_dich	-.0234083	.0507677	-0.46	0.645	-.1230295	.0762129
independent_dich	-.060782	.0458813	-1.32	0.186	-.1508146	.0292505
chair	-.0101292	.0436696	-0.23	0.817	-.0958218	.0755633
research	-.0450147	.0497808	-0.90	0.366	-.1426991	.0526698

	us_news_rank	-.1620932	.0401199	-4.04	0.000	-.2408202	-.0833663
	rank_assoc	.0012941	.0431581	0.03	0.976	-.0833948	.085983
	rank_asst	.0483565	.0448578	1.08	0.281	-.0396677	.1363806
	rank_lectur	.0011514	.0389361	0.03	0.976	-.0752526	.0775554
	rank_other	-.0614962	.0386928	-1.59	0.112	-.1374228	.0144304

Sci_scientism_sem							
	relig_catholic	-.117892	.0424765	-2.78	0.006	-.2012433	-.0345407
	relig_cons_prot	-.2986075	.0420317	-7.10	0.000	-.3810861	-.2161289
	relig_lib_prot	-.140505	.0399196	-3.52	0.000	-.2188388	-.0621711
	relig_other	-.0076917	.0448229	-0.17	0.864	-.0956474	.0802641
	relig_lowpartic	-.0426144	.0412345	-1.03	0.302	-.1235287	.0382998
	relig_agn_ath	-.0116112	.0510565	-0.23	0.820	-.111799	.0885766
	gender_female	.0034718	.0360811	0.10	0.923	-.0673299	.0742734
	gender_oth_nosay	-.0909536	.0390787	-2.33	0.020	-.1676374	-.0142698
	rC_hisp	.0590705	.0369853	1.60	0.111	-.0135055	.1316464
	rC_asian	.0908683	.0393797	2.31	0.021	.0135939	.1681428
	rC_other	-.0475661	.0386486	-1.23	0.219	-.123406	.0282738
	conservatism	-.1436517	.0529641	-2.71	0.007	-.2475828	-.0397206
	republican_dich	-.0049229	.0492225	-0.10	0.920	-.1015118	.091666
	independent_dich	-.0183089	.0435688	-0.42	0.674	-.1038036	.0671858
	chair	.0147925	.0423105	0.35	0.727	-.0682331	.097818
	research	-.0347512	.0404364	-0.86	0.390	-.1140992	.0445968
	us_news_rank	-.0088853	.0358817	-0.25	0.804	-.0792957	.0615251
	rank_assoc	.0673982	.0403104	1.67	0.095	-.0117027	.146499
	rank_asst	.0764629	.0400975	1.91	0.057	-.0022201	.1551459
	rank_lectur	.0474794	.0362943	1.31	0.191	-.0237406	.1186993
	rank_other	-.0153528	.0413699	-0.37	0.711	-.0965325	.065827

Measurement							
enhance_intelligence							
	Enhance_index_sem	.8023979	.0203153	39.50	0.000	.7625333	.8422626
	_cons	2.734179	.1432217	19.09	0.000	2.453136	3.015222

enhance_immune							
	Enhance_index_sem	.4845863	.0320913	15.10	0.000	.4216137	.5475588
	_cons	4.180467	.1741764	24.00	0.000	3.838682	4.522252

enhance_strength							
	Enhance_index_sem	.7415274	.0231896	31.98	0.000	.6960226	.7870323
	_cons	2.673254	.1326949	20.15	0.000	2.412868	2.933641

enhance_longlife							
	Enhance_index_sem	.6240922	.027378	22.80	0.000	.5703685	.6778159
	_cons	2.614776	.115745	22.59	0.000	2.387651	2.841902

enhance_happy							
	Enhance_index_sem	.5644341	.0291048	19.39	0.000	.507322	.6215462
	_cons	3.191189	.1283351	24.87	0.000	2.939358	3.44302

enhance_littlesleep							
	Enhance_index_sem	.6536463	.024677	26.49	0.000	.6052229	.7020697
	_cons	2.241443	.1113545	20.13	0.000	2.022933	2.459953

Coll_Mrl_Const_1							
	Coll_Mrl_Const	.7266262	.0251966	28.84	0.000	.6771831	.7760693
	_cons	1.913522	.1175882	16.27	0.000	1.682779	2.144264

Coll_Mrl_Const_2							
	Coll_Mrl_Const	.749517	.0208952	35.87	0.000	.7085146	.7905194
	_cons	2.068554	.120605	17.15	0.000	1.831892	2.305217

Coll_Mrl_Const_3							
	Coll_Mrl_Const	.7541156	.0231679	32.55	0.000	.7086533	.7995779
	_cons	1.992473	.1212812	16.43	0.000	1.754484	2.230463

Coll_Mrl_Const_4							
	Coll_Mrl_Const	.7247891	.0241561	30.00	0.000	.6773878	.7721904
	_cons	1.981455	.1173594	16.88	0.000	1.751161	2.211748

Creat_Grat_control							
	Creat_Grat_sem	.5261331	.0535427	9.83	0.000	.4210666	.6311995
	_cons	2.646929	.1091657	24.25	0.000	2.432714	2.861144

Creat_Grat_mystery							
	Creat_Grat_sem	.5958662	.0511616	11.65	0.000	.4954722	.6962601
	_cons	2.972257	.1345347	22.09	0.000	2.70826	3.236253

Creat_Grat_leave							
	Creat_Grat_sem	.6004456	.038554	15.57	0.000	.5247914	.6760997
	_cons	2.942198	.1224072	24.04	0.000	2.702	3.182397

Creat_Grat_incharge							
Creat_Grat_sem		.3331587	.0603116	5.52	0.000	.2148096	.4515078
_cons		2.175532	.0731051	29.76	0.000	2.032078	2.318985

sci_anssci							
Sci_scientism_sem		.7992413	.0429834	18.59	0.000	.7148953	.8835873
_cons		3.091637	.1394644	22.17	0.000	2.817967	3.365307

sci_setgoal							
Sci_scientism_sem		.6277137	.0418373	15.00	0.000	.5456167	.7098107
_cons		3.467003	.127049	27.29	0.000	3.217695	3.71631

sci_oppor							
Sci_scientism_sem		.3624288	.044925	8.07	0.000	.2742729	.4505848
_cons		4.819402	.1765964	27.29	0.000	4.472868	5.165936

var(e.enhance_intelligence)		.3561576	.032602			.2975995	.426238
var(e.enhance_immune)		.7651761	.031102			.7065154	.8287074
var(e.enhance_strength)		.4501371	.0343915			.3874661	.5229447
var(e.enhance_longlife)		.610509	.0341728			.5470033	.6813874
var(e.enhance_happy)		.6814142	.0328555			.6198982	.7490347
var(e.enhance_littlesleep)		.5727465	.03226			.5128159	.6396809
var(e.Coll_Mrl_Const_1)		.4720144	.036617			.4053628	.549625
var(e.Coll_Mrl_Const_2)		.4382243	.0313225			.380876	.5042074
var(e.Coll_Mrl_Const_3)		.4313096	.0349426			.3679146	.5056282
var(e.Coll_Mrl_Const_4)		.4746808	.0350161			.4107106	.5486148
var(e.Creat_Grat_control)		.723184	.0563412			.6206623	.8426403
var(e.Creat_Grat_mystery)		.6449435	.0609709			.5357426	.7764029
var(e.Creat_Grat_leave)		.6394651	.0462991			.5547716	.7370884
var(e.Creat_Grat_incharge)		.8890053	.0401867			.8135436	.9714666
var(e.sci_anssci)		.3612134	.0687082			.2486911	.5246473
var(e.sci_setgoal)		.6059755	.0525237			.5111972	.7183261
var(e.sci_oppor)		.8686453	.0325642			.8070386	.934955
var(e.Enhance_index_sem)		.7129146	.0402994			.6380635	.7965464
var(e.Coll_Mrl_Const)		.8693479	.0239175			.8236592	.917571
var(e.Creat_Grat_sem)		.788369	.0353069			.7220436	.8607869
var(e.Sci_scientism_sem)		.8078051	.0265252			.7573964	.8615688

cov(e.Creat_Grat_control,							
e.Creat_Grat_incharge)		.4871746	.0382431	12.74	0.000	.4121305	.5622187

Table A5.3: Selected Total, Direct and Indirect Effects on Approval of Human Enhancement.
Standardized Coefficients. Public Sample

	Standardized Coefficient	Mediated by Creativity Stance	Mediated by Rejection of Collective Constraint	Mediated by Cultural Authority of Science
Woman		-.027**	.011*	-.05***
Total	-.149***			
Collective Indirect	-.071***			
Direct	-.079**			
Age		-.011	.001	-.071***
Total	-.000			
Collective Indirect	-.005***			
Direct	.005**			
Education=Higher than BA/BS		.008	-.039***	.060***
Total	-.124			
Collective Indirect	.089			
Direct	-.213*			
Education=at least BA/BS		.006	-.040***	.055***
Total	-.081			
Collective Indirect	.054			
Direct	-.135			
Education=at least Some College		-.000	-.029***	.020
Total	.022			
Collective Indirect	-.020			
Direct	.042			
<u>Religious Identity Measures</u>				
Catholic		-.007	-.022**	-.025*
Total	-.017			
Collective Indirect	-.053**			
Direct	.036			
Conservative Protestant		-.010	-.066***	-.084***
Total	-.168***			
Indirect	-.159***			
Direct	.009			
Liberal Protestant		.002	-.015*	-.002
Total	-.023			
Indirect	-.014			
Direct	-.009			
Identity-Rejecting Protestant		.000	-.017**	-.022**
Total	-.050			
Indirect	-.038***			
Direct	-.011			
Low Commitment Christian		-.010	-.004	-.021

Total	.016			
Indirect	-.035*			
Direct	.051			
Atheists and Agnostics		.017**	.001	.054***
Total	.046*			
Indirect	.070***			
Direct	-.024			

Note: *** $p < .001$, ** = $p < .01$ * = $p < .05$

Table A5.4: Selected Total, Direct and Indirect Effects on Approval of Human Enhancement.
Standardized Coefficients. Bioengineers

	Standardized Coefficient	Mediated by Creativity Stance	Mediated by Rejection of Collective Constraint	Mediated by Cultural Authority of Science
Woman		-.132***	.002	.001
Total	-.165***			
Collective Indirect	-.128***			
Direct	-.036			
Assistant Professor		.021	.019*	.014
Total	.153***			
Collective Indirect	.055*			
Direct	.098*			
<u>Religious Identity Measures</u>				
Catholic		.028	-.019*	-.022*
Total	-.032			
Collective Indirect	-.013			
Direct	-.019			
Conservative Protestant		-.014	-.032**	-.056**
Total	-.064			
Collective Indirect	-.102**			
Direct	.038			
Liberal Protestant		.020	-.007	-.026*
Total	-.001			
Collective Indirect	-.013			
Direct	.012			
Low Commitment Christian		.012	.012	-.008
Total	-.012			
Collective Indirect	.017			
Direct	-.029			
Atheists and Agnostics		.068**	-.002	-.002
Total	.032			
Collective Indirect	.064*			
Direct	-.031			

Note: *** $p < .001$, ** = $p < .01$ * = $p < .05$

Table A7.1
(running sem on estimation sample)

Survey: Structural equation model
Number of strata = 117
Number of PSUs = 731

Number of obs = 3,314
Population size = 3,288.7476
Design df = 614

(1) [Creat_Grat_control]Creat_Grat_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]	
-----+-----							
Structural							
Creat_Grat_sem							
relig_catholic		-.0173795	.0360007	-0.48	0.629	-.0880789	.0533199
relig_cons_prot		-.0082332	.0446678	-0.18	0.854	-.0959534	.079487
relig_lib_prot		.0242708	.0413208	0.59	0.557	-.0568764	.105418
relig_other		.0037869	.0203016	0.19	0.852	-.0360821	.043655
relig_noidentity		-.0014397	.0290611	-0.05	0.961	-.0585109	.0556316
relig_lowpartic		-.0424491	.0408607	-1.04	0.299	-.1226929	.0377946
relig_agm_ath		.0919485	.0243344	3.78	0.000	.0441598	.1397372
conservatism		-.0119181	.034794	-0.34	0.732	-.0802478	.0564116
income_norc		.0669978	.031027	2.16	0.031	.0060659	.1279297
gender_female		-.1106898	.030328	-3.65	0.000	-.1702491	-.0511306
age		-.02691	.0356785	-0.75	0.451	-.0969767	.0431567
educ_BAplus		.0566484	.0351958	1.61	0.108	-.0124704	.1257672
educ_BA		.0690344	.0371378	1.86	0.064	-.003898	.1419669
educ_SomeColl		.0096529	.0374329	0.26	0.797	-.0638592	.083165
republican_dich		-.0919044	.0404788	-2.27	0.024	-.1713982	-.0124107
independent_dich		-.0044478	.0399222	-0.11	0.911	-.0828485	.0739529
rC_hisp		-.023986	.0286734	-0.84	0.403	-.0802959	.0323238
rC_afram		-.0293334	.0326166	-0.90	0.369	-.0933871	.0347203
rC_asian		.0344224	.0331885	1.04	0.300	-.0307543	.0995992
rC_other		-.0240901	.0245207	-0.98	0.326	-.0722447	.0240644
enhan_humdie		-.3478717	.0335523	-10.37	0.000	-.4137629	-.2819804
-----+-----							
Measurement							
Creat_Grat_control							
Creat_Grat_sem		.4920461	.037681	13.06	0.000	.4180468	.5660454
_cons		2.976781	.1390785	21.40	0.000	2.703654	3.249908
-----+-----							
Creat_Grat_mystery							
Creat_Grat_sem		.6156565	.0375084	16.41	0.000	.5419962	.6893168
_cons		3.182197	.1774092	17.94	0.000	2.833795	3.5306
-----+-----							
Creat_Grat_leave							
Creat_Grat_sem		.6605713	.0291513	22.66	0.000	.6033229	.7178198
_cons		3.394426	.1426895	23.79	0.000	3.114207	3.674644
-----+-----							
Creat_Grat_incharge							
Creat_Grat_sem		.4094168	.0378528	10.82	0.000	.3350802	.4837534
_cons		2.71842	.1088125	24.98	0.000	2.50473	2.93211
-----+-----							
var(e.Creat_Grat_control)		.7578906	.0370816			.6884576	.8343262
var(e.Creat_Grat_mystery)		.6209671	.0461846			.5365809	.7186244
var(e.Creat_Grat_leave)		.5636455	.0385131			.4928671	.6445881
var(e.Creat_Grat_incharg)		.8323779	.0309951			.7736809	.895528
var(e.Creat_Grat_sem)		.8192254	.0269157			.7680366	.8738259
-----+-----							
cov(e.Creat_Grat_control,							
e.Creat_Grat_incharge)		.5260881	.031301	16.81	0.000	.464618	.5875582
-----+-----							

Note: Strata with single sampling unit centered at overall mean.

Table A7.2
(running sem on estimation sample)

```
Survey: Structural equation model
Number of strata =      1
Number of PSUs   = 1,035
```

```
Number of obs   =      1,035
Population size = 1,038.0627
Design df       =      1,034
```

```
( 1)  [Creat_Grat_control]Creat_Grat_sem = 1
```

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]	
Structural							
Creat_Grat_sem							
enhan_humdie		-.2356887	.037401	-6.30	0.000	-.3090793	-.1622981
relig_catholic		.0806531	.0459293	1.76	0.079	-.0094721	.1707783
relig_cons_prot		.0002412	.0472789	0.01	0.996	-.0925324	.0930148
relig_lib_prot		.0542585	.0438399	1.24	0.216	-.0317668	.1402839
relig_other		-.0082662	.0487667	-0.17	0.865	-.1039591	.0874267
relig_lowpartic		.0467485	.0468201	1.00	0.318	-.0451248	.1386218
relig_agn_ath		.1635817	.0517246	3.16	0.002	.0620846	.2650787
gender_female		-.2677011	.0394075	-6.79	0.000	-.345029	-.1903733
gender_oth_nosay		-.0656631	.0360501	-1.82	0.069	-.1364028	.0050765
rC_hisp		.0407353	.0392091	1.04	0.299	-.0362031	.1176737
rC_asian		-.188179	.0486196	-3.87	0.000	-.2835833	-.0927747
rC_other		-.054115	.0468757	-1.15	0.249	-.1460974	.0378674
conservatism		-.0307638	.0597451	-0.51	0.607	-.1479993	.0864716
republican_dich		-.0430192	.0487668	-0.88	0.378	-.1387125	.0526741
independent_dich		-.0806755	.0451508	-1.79	0.074	-.1692731	.0079221
chair		-.001895	.0420636	-0.05	0.964	-.0844349	.0806448
research		-.0465453	.0491809	-0.95	0.344	-.1430511	.0499605
us_news_rank		-.1576414	.0380462	-4.14	0.000	-.2322979	-.0829849
rank_assoc		.0035576	.0418972	0.08	0.932	-.0786557	.0857709
rank_asst		.0387316	.0435276	0.89	0.374	-.046681	.1241441
rank_lectur		-.0016791	.0376314	-0.04	0.964	-.0755218	.0721635
rank_other		-.0526037	.0401381	-1.31	0.190	-.131365	.0261577
Measurement							
Creat_Grat_control							
Creat_Grat_sem		.471739	.0571012	8.26	0.000	.3596916	.5837864
_cons		3.148505	.1424652	22.10	0.000	2.868951	3.428059
Creat_Grat_mystery							
Creat_Grat_sem		.6349565	.0569069	11.16	0.000	.5232902	.7466227
_cons		3.674176	.2034189	18.06	0.000	3.275015	4.073337
Creat_Grat_leave							
Creat_Grat_sem		.6058435	.0488959	12.39	0.000	.5098969	.70179
_cons		3.610206	.1475182	24.47	0.000	3.320736	3.899675
Creat_Grat_incharge							
Creat_Grat_sem		.2960112	.062813	4.71	0.000	.1727558	.4192666
_cons		2.487337	.1243342	20.01	0.000	2.24336	2.731313
var(e.Creat_Grat_control)		.7774623	.0538737			.6786203	.8907009
var(e.Creat_Grat_mystery)		.5968303	.0722668			.4706118	.7569006
var(e.Creat_Grat_leave)		.6329537	.0592466			.5267485	.7605725
var(e.Creat_Grat_incharge)		.9123774	.0371867			.8422491	.9883447
var(e.Creat_Grat_sem)		.7307566	.0387016			.6586268	.8107858
cov(e.Creat_Grat_control,							
e.Creat_Grat_incharge)		.5040995	.0355301	14.19	0.000	.4343802	.5738188

Table A7.3 (running sem on estimation sample)

Survey: Structural equation model
 Number of strata = 117
 Number of PSUs = 717

Number of obs = 3,258
 Population size = 3,241.8761
 Design df = 600

- (1) [Coll_Mrl_Const 1]Coll_Mrl_Const = 1
 (2) [Creat_Grat_control]Creat_Grat_sem = 1
 (3) [sci_confid2]Sci_scientism_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]
Structural						
enhance_longlife						
Coll_Mrl_Const		.0783003	.028497	2.75	0.006	.0223344 .1342662
Creat_Grat_sem		.1426348	.0310524	4.59	0.000	.0816502 .2036194
Sci_scientism_sem		.2829561	.0306963	9.22	0.000	.2226707 .3432414
relig_catholic		.0371623	.0265961	1.40	0.163	-.0150705 .0893951
relig_cons_prot		-.0328821	.0362904	-0.91	0.365	-.1041538 .0383895
relig_lib_prot		.0065217	.0315772	0.21	0.836	-.0554935 .0685369
relig_other		-.0089746	.0138781	-0.65	0.518	-.0362303 .018281
relig_noidentity		.0096634	.0182331	0.53	0.596	-.026145 .0454719
relig_lowpartic		.0331167	.0303567	1.09	0.276	-.0265017 .0927351
relig_agm_ath		-.018895	.0150859	-1.25	0.211	-.0485226 .0107327
conservatism		-.0066693	.0269111	-0.25	0.804	-.0595208 .0461822
income_norc		-.0539966	.029676	-1.82	0.069	-.1122781 .0042849
gender_female		-.069391	.0242973	-2.86	0.004	-.1171092 -.0216729
age		.0179962	.0285399	0.63	0.529	-.038054 .0740464
educ_BAplus		-.0308353	.0311059	-0.99	0.322	-.0919251 .0302544
educ_BA		-.0673958	.0317611	-2.12	0.034	-.1297723 -.0050193
educ_SomeColl		.0311382	.0300822	1.04	0.301	-.0279411 .0902174
republican_dich		.051832	.0331045	1.57	0.118	-.0131827 .1168468
independent_dich		.0492584	.0314568	1.57	0.118	-.0125204 .1110373
rC_hisp		.0418536	.0245791	1.70	0.089	-.006418 .0901251
rC_afam		.0328358	.0237641	1.38	0.168	-.0138351 .0795067
rC_asian		.0405331	.0321105	1.26	0.207	-.0225296 .1035958
rC_other		.0020056	.0255786	0.08	0.938	-.0482288 .0522401
enhan_humdie		-.1271738	.0231302	-5.50	0.000	-.0817479 -.1725997
_cons		3.669111	.1557868	23.55	0.000	3.363158 3.975065
Coll_Mrl_Const						
relig_catholic		-.0972128	.0267659	-3.63	0.000	-.149779 -.0446465
relig_cons_prot		-.2951846	.0303713	-9.72	0.000	-.3548315 -.2355377
relig_lib_prot		-.0650777	.0291664	-2.23	0.026	-.1223583 -.0077972
relig_other		-.0350254	.0156685	-2.24	0.026	-.0657971 -.0042538
relig_noidentity		-.0754681	.0187374	-4.03	0.000	-.112267 -.0386692
relig_lowpartic		-.0210268	.0305565	-0.69	0.492	-.0810375 .0389838
relig_agm_ath		.0059607	.0141463	0.42	0.674	-.0218217 .0337431
conservatism		-.1149514	.0365761	-3.14	0.002	-.1867841 -.0431188
income_norc		-.0450271	.0256845	-1.75	0.080	-.0954695 .0054153
gender_female		.0500348	.0250727	2.00	0.046	.0007938 .0992758
age		.005019	.0263618	0.19	0.849	-.0467537 .0567917
educ_BAplus		-.1813749	.0265799	-6.82	0.000	-.2335758 -.1291739
educ_BA		-.1870073	.0303802	-6.16	0.000	-.2466717 -.1273429
educ_SomeColl		-.137042	.0268233	-5.11	0.000	-.1897209 -.0843631
republican_dich		.0263947	.040077	0.66	0.510	-.0523136 .105103
independent_dich		-.006788	.031104	-0.22	0.827	-.067874 .054298
rC_hisp		.0814173	.0235787	3.45	0.001	.0351106 .1277241
rC_afam		.1035764	.0259627	3.99	0.000	.0525875 .1545653
rC_asian		.0130567	.0351598	0.37	0.711	-.0559945 .0821079
rC_other		.0218874	.0254685	0.86	0.390	-.0281309 .0719057
Creat_Grat_sem						
relig_catholic		-.0320076	.0364405	-0.88	0.380	-.1035742 .0395589
relig_cons_prot		-.0504029	.0474593	-1.06	0.289	-.1436094 .0428037
relig_lib_prot		.0120636	.0432335	0.28	0.780	-.0728438 .096971
relig_other		.0012494	.0217357	0.06	0.954	-.0414379 .0439367
relig_noidentity		-.0013133	.0276026	-0.05	0.962	-.0555228 .0528961
relig_lowpartic		-.043584	.0390462	-1.12	0.265	-.1202678 .0330998
relig_agm_ath		.0927482	.0249579	3.72	0.000	.0437327 .1417637
conservatism		.0073244	.0378463	0.19	0.847	-.0670029 .0816517
income_norc		.0299964	.0339341	0.88	0.377	-.0366476 .0966403
gender_female		-.1344492	.0326537	-4.12	0.000	-.1985785 -.0703198
age		-.0542307	.0354754	-1.53	0.127	-.1239017 .0154403
educ_BAplus		.0403195	.0369726	1.09	0.276	-.0322919 .1129309
educ_BA		.0347019	.0360804	0.96	0.337	-.0361574 .1055612
educ_SomeColl		.0018526	.0394426	0.05	0.963	-.0756096 .0793149
republican_dich		-.091598	.0427003	-2.15	0.032	-.1754582 -.0077378
independent_dich		.0096985	.0422938	0.23	0.819	-.0733634 .0927605
rC_hisp		-.0217923	.0311107	-0.70	0.484	-.0828914 .0393068
rC_afam		.0020799	.0331452	0.06	0.950	-.0630149 .0671747

	rC_asian		.0591916	.0335161	1.77	0.078	-.0066315	.1250147
	rC_other		-.031808	.0272981	-1.17	0.244	-.0854195	.0218035

Sci_scientism_sem								
relig_catholic			-.059805	.0276596	-2.16	0.031	-.1141264	-.0054836
relig_cons_prot			-.2069263	.0367305	-5.63	0.000	-.2790622	-.1347903
relig_lib_prot			-.0059543	.0308758	-0.19	0.847	-.066592	.0546835
relig_other			.001739	.0115113	0.15	0.880	-.0208685	.0243464
relig_noidentity			-.0565414	.0159966	-3.53	0.000	-.0879575	-.0251253
relig_lowpartic			-.0479605	.0298024	-1.61	0.108	-.1064901	.0105692
relig_agm_ath			.1236578	.0159244	7.77	0.000	.0923835	.1549322
conservatism			-.1944899	.0358002	-5.43	0.000	-.2647987	-.1241811
income_norc			-.020041	.0266309	-0.75	0.452	-.0723421	.0322601
gender_female			-.1289556	.0212513	-6.07	0.000	-.1706916	-.0872197
age			-.1727464	.0234764	-7.36	0.000	-.2188522	-.1266405
educ_BAplus			.1415393	.0264858	5.34	0.000	.0895232	.1935554
educ_BA			.1315212	.02746	4.79	0.000	.0775918	.1854507
educ_SomeColl			.0491661	.0283499	1.73	0.083	-.006511	.1048431
republican_dich			-.2046065	.0361709	-5.66	0.000	-.2756434	-.1335696
independent_dich			-.1443885	.0284659	-5.07	0.000	-.2002935	-.0884836
rC_hisp			-.0528308	.0250235	-2.11	0.035	-.101975	-.0036866
rC_afam			-.0109398	.024535	-0.45	0.656	-.0591246	.037245
rC_asian			-.0109585	.0213312	-0.51	0.608	-.0528515	.0309345
rC_other			.0135518	.0181742	0.75	0.456	-.022141	.0492446

Measurement								
Coll_Mrl_Const_1								
Coll_Mrl_Const			.6934322	.0285971	24.25	0.000	.6372697	.7495948
_cons			2.647201	.0921382	28.73	0.000	2.466248	2.828153

Coll_Mrl_Const_2								
Coll_Mrl_Const			.7801895	.0196522	39.70	0.000	.741594	.818785
_cons			3.025658	.1095318	27.62	0.000	2.810546	3.24077

Coll_Mrl_Const_3								
Coll_Mrl_Const			.821824	.0131292	62.60	0.000	.7960393	.8476088
_cons			2.997063	.1066132	28.11	0.000	2.787683	3.206444

Coll_Mrl_Const_4								
Coll_Mrl_Const			.7132584	.0170318	41.88	0.000	.6798093	.7467075
_cons			2.831194	.0880917	32.14	0.000	2.658189	3.004199

Creat_Grat_control								
Creat_Grat_sem			.5119333	.0381368	13.42	0.000	.4370354	.5868313
_cons			2.16647	.0958668	22.60	0.000	1.978194	2.354745

Creat_Grat_mystery								
Creat_Grat_sem			.6012902	.0417197	14.41	0.000	.5193559	.6832245
_cons			2.154498	.1018271	21.16	0.000	1.954518	2.354479

Creat_Grat_leave								
Creat_Grat_sem			.6733673	.0363445	18.53	0.000	.6019894	.7447452
_cons			2.303435	.1161596	19.83	0.000	2.075306	2.531564

Creat_Grat_incharge								
Creat_Grat_sem			.4176308	.0366556	11.39	0.000	.345642	.4896196
_cons			2.040399	.0753056	27.09	0.000	1.892504	2.188293

sci_confid2								
Sci_scientism_sem			.6476711	.0203896	31.76	0.000	.6076274	.6877147
_cons			4.321002	.1003672	43.05	0.000	4.123888	4.518116

sci_morals2								
Sci_scientism_sem			.739995	.0167427	44.20	0.000	.7071137	.7728763
_cons			4.056498	.1137708	35.65	0.000	3.833061	4.279936

sci_anssci								
Sci_scientism_sem			.7161982	.0219016	32.70	0.000	.6731851	.7592112
_cons			3.656863	.0938338	38.97	0.000	3.472581	3.841146

sci_setgoal								
Sci_scientism_sem			.7615087	.0156869	48.54	0.000	.7307009	.7923165
_cons			3.700735	.1007528	36.73	0.000	3.502864	3.898606

sci_oppor								
Sci_scientism_sem			.4569332	.0216266	21.13	0.000	.4144602	.4994061
_cons			4.889156	.1220538	40.06	0.000	4.649451	5.128861

var(e.Coll_Mrl_Const_1)			.5191518	.0396603			.4468233	.6031881
var(e.Coll_Mrl_Const_2)			.3913043	.0306649			.3354862	.4564094
var(e.Coll_Mrl_Const_3)			.3246053	.0215797			.2848743	.3698774
var(e.Coll_Mrl_Const_4)			.4912625	.0242961			.4457908	.5413723

var(e.Creat_Grat_control)	.7379243	.039047			.6650889	.818736
var(e.Creat_Grat_mystery)	.6384501	.0501712			.5471443	.7449927
var(e.Creat_Grat_leave)	.5465765	.0489464			.4584278	.6516748
var(e.Creat_Grat_incharg)	.8255845	.030617			.7675925	.8879578
var(e.sci_confid2)	.5805222	.0264115			.5309018	.6347804
var(e.sci_morals2)	.4524074	.024779			.4062693	.5037852
var(e.sci_anssci)	.4870602	.0313717			.4291861	.5527384
var(e.sci_setgoal)	.4201045	.0238913			.3757091	.469746
var(e.sci_oppo)	.7912121	.0197638			.7533342	.8309945
var(e.enhance_longlife)	.8329043	.0177286			.7988043	.8684599
var(e.Coll_Mrl_Const)	.8179133	.0179593			.7833921	.8539556
var(e.Creat_Grat_sem)	.9319717	.0139965			.9048851	.9598691
var(e.Sci_scientism_sem)	.6602438	.0215439			.6192604	.7039395
-----+						
cov(e.Creat_Grat_control,						
e.Creat_Grat_incharge)	.5154287	.03183	16.19	0.000	.4529171	.5779404

Note: Strata with single sampling unit centered at overall mean.

Table A7.4 (running sem on estimation sample)

Survey: Structural equation model

Number of strata = 1

Number of PSUs = 1,026

Number of obs = 1,026

Population size = 1,029.5835

Design df = 1,025

(1) [Coll_Mrl_Const 1]Coll_Mrl_Const = 1

(2) [Creat_Grat_control]Creat_Grat_sem = 1

(3) [sci_anssci]Sci_scientism_sem = 1

	Standardized	Coefficient	Linearized std. err.	t	P> t	[95% conf. interval]
Structural						
enhance_longlife						
Coll_Mrl_Const		.1218971	.0358594	3.40	0.001	.0515308 .1922633
Creat_Grat_sem		.3003146	.0508748	5.90	0.000	.2004841 .4001452
Sci_scientism_sem		.0724875	.0469598	1.54	0.123	-.0196609 .1646359
relig_catholic		.0150665	.0348653	0.43	0.666	-.0533491 .0834821
relig_cons_prot		.0357222	.0370993	0.96	0.336	-.037077 .1085214
relig_lib_prot		-.0041475	.0343813	-0.12	0.904	-.0716132 .0633183
relig_other		.0376334	.0383126	0.98	0.326	-.0375467 .1128136
relig_lowpartic		-.055612	.0365719	-1.52	0.129	-.1273763 .0161524
relig_agm_ath		-.0136373	.0424352	-0.32	0.748	-.0969071 .0696325
gender_female		.008506	.0354749	0.24	0.811	-.0611058 .0781177
gender_oth_nosay		-.011038	.0319303	-0.35	0.730	-.0736943 .0516182
rC_hisp		-.0206421	.0319633	-0.65	0.519	-.0833632 .0420789
rC_asian		-.0224378	.0332711	-0.67	0.500	-.0877252 .0428495
rC_other		-.0457501	.0328311	-1.39	0.164	-.1101739 .0186736
conservatism		.0572266	.0431905	1.32	0.185	-.0275254 .1419786
republican_dich		-.0303136	.0382848	-0.79	0.429	-.1054391 .0448119
independent_dich		.0393022	.0357084	1.10	0.271	-.0307678 .1093721
chair		.0433398	.0348462	1.24	0.214	-.0250382 .1117178
research		-.0499165	.0349756	-1.43	0.154	-.1185485 .0187156
us_news_rank		-.0002546	.0329352	-0.01	0.994	-.0648828 .0643736
rank_assoc		.0368797	.0334818	1.10	0.271	-.0288209 .1025803
rank_asst		.0434469	.0345337	1.26	0.209	-.0243179 .1112118
rank_lectur		.0083858	.0291078	0.29	0.773	-.0487319 .0655035
rank_other		.0233474	.0299831	0.78	0.436	-.0354879 .0821826
enhan_humdie		-.2787341	.0265793	-10.49	0.000	-.3308902 -.226578
_cons		3.832097	.1880794	20.37	0.000	3.463033 4.201162
Coll_Mrl_Const						
relig_catholic		-.102365	.0354258	-2.89	0.004	-.1718803 -.0328497
relig_cons_prot		-.1710336	.043881	-3.90	0.000	-.2571404 -.0849268
relig_lib_prot		-.0399191	.0357254	-1.12	0.264	-.1100223 .0301842
relig_other		-.0182659	.0429576	-0.43	0.671	-.1025609 .066029
relig_lowpartic		.0591067	.0390901	1.51	0.131	-.017599 .1358124
relig_agm_ath		-.0131645	.0446377	-0.29	0.768	-.1007562 .0744273
gender_female		.0116116	.0340267	0.34	0.733	-.0551584 .0783816
gender_oth_nosay		-.0508042	.0342768	-1.48	0.139	-.118065 .0164565
rC_hisp		.0491929	.0392079	1.25	0.210	-.0277441 .1261299
rC_asian		.1706924	.0386767	4.41	0.000	.0947978 .246587
rC_other		.0274963	.0398649	0.69	0.491	-.0507298 .1057225
conservatism		-.1131081	.0496023	-2.28	0.023	-.2104416 -.0157745
republican_dich		-.0084766	.0503607	-0.17	0.866	-.1072985 .0903452
independent_dich		.1014628	.0403761	2.51	0.012	.0222336 .180692
chair		-.0230182	.0380351	-0.61	0.545	-.0976537 .0516173
research		.0004238	.0428273	0.01	0.992	-.0836153 .084463
us_news_rank		.0915719	.0346842	2.64	0.008	.0235118 .1596319
rank_assoc		.0232445	.0365907	0.64	0.525	-.0485568 .0950458
rank_asst		.0999673	.0377278	2.65	0.008	.0259349 .1739998
rank_lectur		.0487357	.0315718	1.54	0.123	-.0132172 .1106885
rank_other		.0422374	.037378	1.13	0.259	-.0311088 .1155836
Creat_Grat_sem						
relig_catholic		.0630075	.0465055	1.35	0.176	-.0282494 .1542645
relig_cons_prot		-.027465	.0475232	-0.58	0.563	-.120719 .0657889
relig_lib_prot		.048788	.0444203	1.10	0.272	-.0383771 .135953
relig_other		-.0257365	.0499419	-0.52	0.606	-.1237365 .0722635
relig_lowpartic		.0326003	.0468888	0.70	0.487	-.0594086 .1246093
relig_agm_ath		.1565714	.0535337	2.92	0.004	.0515233 .2616196
gender_female		-.2882426	.0398772	-7.23	0.000	-.3664928 -.2099924
gender_oth_nosay		-.0554002	.0352216	-1.57	0.116	-.1245148 .0137144
rC_hisp		.0396716	.0393328	1.01	0.313	-.0375105 .1168536
rC_asian		-.1684922	.0483994	-3.48	0.001	-.2634654 -.073519
rC_other		-.0317279	.0453423	-0.70	0.484	-.1207022 .0572464
conservatism		-.0351155	.0599585	-0.59	0.558	-.1527709 .0825399
republican_dich		-.0280638	.0501909	-0.56	0.576	-.1265525 .0704249
independent_dich		-.0584774	.0455181	-1.28	0.199	-.1477967 .0308418
chair		-.0100327	.0429779	-0.23	0.815	-.0943674 .074302
research		-.0474277	.0493329	-0.96	0.337	-.1442328 .0493774

us_news_rank		-.1625329	.0393949	-4.13	0.000	-.2398367	-.0852291
rank_assoc		.01211	.0427593	0.28	0.777	-.0717958	.0960158
rank_asst		.0564665	.0443317	1.27	0.203	-.0305248	.1434579
rank_lectur		.0042147	.0384211	0.11	0.913	-.0711783	.0796077
rank_other		-.0548491	.0393131	-1.40	0.163	-.1319924	.0222942

Sci_scientism_sem							
relig_catholic		-.1210473	.042776	-2.83	0.005	-.2049858	-.0371087
relig_cons_prot		-.29637	.0429162	-6.91	0.000	-.3805836	-.2121565
relig_lib_prot		-.1336494	.0406737	-3.29	0.001	-.2134627	-.0538362
relig_other		-.0090408	.0453102	-0.20	0.842	-.0979522	.0798705
relig_lowpartic		-.042792	.0410166	-1.04	0.297	-.1232781	.0376941
relig_agm_ath		-.0124714	.0513235	-0.24	0.808	-.1131825	.0882397
gender_female		.0023257	.0363927	0.06	0.949	-.069087	.0737384
gender_oth_nosay		-.0852226	.039576	-2.15	0.032	-.1628819	-.0075634
rC_hisp		.0613026	.0373525	1.64	0.101	-.0119934	.1345987
rC_asian		.0884128	.0398622	2.22	0.027	.0101919	.1666336
rC_other		-.0475361	.0391736	-1.21	0.225	-.1244058	.0293336
conservatism		-.1399425	.053383	-2.62	0.009	-.244695	-.03519
republican_dich		-.012436	.0500179	-0.25	0.804	-.1105852	.0857131
independent_dich		-.0245966	.0440241	-0.56	0.576	-.1109843	.0617911
chair		.0174699	.042429	0.41	0.681	-.0657877	.1007275
research		-.033985	.0410679	-0.83	0.408	-.1145717	.0466017
us_news_rank		-.0103463	.0361285	-0.29	0.775	-.0812406	.0605479
rank_assoc		.0755433	.0405839	1.86	0.063	-.0040937	.1551803
rank_asst		.0826058	.0405719	2.04	0.042	.0029923	.1622193
rank_lectur		.0509491	.0367407	1.39	0.166	-.0211464	.1230447
rank_other		-.0144014	.0414445	-0.35	0.728	-.0957271	.0669243

Measurement							
Coll_Mrl_Const_1							
Coll_Mrl_Const		.7241688	.0255171	28.38	0.000	.674097	.7742405
_cons		1.908795	.1162164	16.42	0.000	1.680746	2.136845

Coll_Mrl_Const_2							
Coll_Mrl_Const		.7519894	.0209204	35.95	0.000	.7109377	.7930411
_cons		2.072651	.1201166	17.26	0.000	1.836948	2.308353

Coll_Mrl_Const_3							
Coll_Mrl_Const		.7571059	.0230083	32.91	0.000	.7119572	.8022546
_cons		1.995945	.1207986	16.52	0.000	1.758904	2.232985

Coll_Mrl_Const_4							
Coll_Mrl_Const		.7276184	.0240172	30.30	0.000	.68049	.7747468
_cons		1.98242	.1169035	16.96	0.000	1.753023	2.211818

Creat_Grat_control							
Creat_Grat_sem		.492114	.0524994	9.37	0.000	.3890954	.5951325
_cons		2.631985	.1033642	25.46	0.000	2.429156	2.834815

Creat_Grat_mystery							
Creat_Grat_sem		.6187008	.0508846	12.16	0.000	.518851	.7185506
_cons		2.970129	.1384161	21.46	0.000	2.698518	3.241741

Creat_Grat_leave							
Creat_Grat_sem		.6166678	.0427313	14.43	0.000	.5328169	.7005186
_cons		2.938154	.1229424	23.90	0.000	2.696906	3.179401

Creat_Grat_incharge							
Creat_Grat_sem		.3043206	.0579436	5.25	0.000	.190619	.4180221
_cons		2.162371	.0684311	31.60	0.000	2.02809	2.296652

sci_anssci							
Sci_scientism_sem		.7803753	.0469402	16.62	0.000	.6882655	.8724851
_cons		3.075551	.1382339	22.25	0.000	2.804297	3.346805

sci_setgoal							
Sci_scientism_sem		.6437086	.0455936	14.12	0.000	.5542412	.7331761
_cons		3.461823	.1295553	26.72	0.000	3.207599	3.716047

sci_oppor							
Sci_scientism_sem		.3649433	.0449466	8.12	0.000	.2767455	.4531411
_cons		4.81472	.1756321	27.41	0.000	4.47008	5.159359

var(e.Coll_Mrl_Const_1)		.4755796	.0369574			.4083175	.5539218
var(e.Coll_Mrl_Const_2)		.4345119	.0314638			.3769569	.5008546
var(e.Coll_Mrl_Const_3)		.4267906	.0348394			.3636204	.5009352
var(e.Coll_Mrl_Const_4)		.4705714	.0349507			.406752	.5444041
var(e.Creat_Grat_control)		.7578238	.0516714			.6629205	.8663136
var(e.Creat_Grat_mystery)		.6172093	.0629646			.5052362	.7539986
var(e.Creat_Grat_leave)		.6197209	.052702			.5244729	.7322666
var(e.Creat_Grat_incharg)		.907389	.0352668			.8407587	.9792998

var(e.sci_anssci)	.3910143	.0732619			.2707197	.564762
var(e.sci_setgoal)	.5856392	.058698			.4810766	.7129285
var(e.sci_oppor)	.8668164	.0328059			.8047743	.9336415
var(e.enhance_longlife)	.8058054	.0248138			.7585558	.8559982
var(e.Coll_Mrl_Const)	.8700069	.0237561			.8246177	.9178945
var(e.Creat_Grat_sem)	.7859148	.035881			.7185679	.8595737
var(e.Sci_scientism_sem)	.8081898	.0266202			.7576058	.8621513
-----+						
cov(e.Creat_Grat_control,						
e.Creat_Grat_incharge)	.498778	.0353515	14.11	0.000	.4294084	.5681476

Table A8.1

VARIABLES	(1) Gap Exists	(2) Gap Justifies Enhancement	(3) Enhancement would Bridge Gap
relig_catholic	-0.205 (0.189)	-0.333 (0.248)	0.0179 (0.188)
relig_cons_prot	-0.403* (0.163)	-0.675*** (0.172)	0.184 (0.206)
relig_lib_prot	-0.215 (0.255)	-0.327 (0.231)	0.0979 (0.322)
relig_other	-0.156 (0.164)	-0.283 (0.193)	-0.0923 (0.185)
relig_noidentity	-0.715** (0.230)	-0.333 (0.253)	-0.261 (0.337)
relig_lowpartic	-0.112 (0.130)	-0.296 (0.177)	-0.0429 (0.139)
relig_agn_ath	-0.116 (0.151)	0.149 (0.180)	-0.374* (0.148)
AGE	-0.00571 (0.00324)	-0.0142*** (0.00356)	0.0150*** (0.00301)
Educ_BAplus	-0.113 (0.161)	0.310 (0.188)	-0.432* (0.173)
Educ_BA	0.169 (0.143)	0.139 (0.146)	-0.417** (0.143)
Educ_SomeColl	0.0382 (0.0955)	0.0558 (0.120)	-0.167 (0.122)
gender_female	-0.114 (0.105)	-0.409*** (0.0915)	-0.00331 (0.106)
income_norc	-0.0360 (0.0239)	-0.00556 (0.0301)	-0.00979 (0.0232)
RC_hisp	0.0579 (0.153)	-0.556*** (0.148)	0.751*** (0.143)
RC_afram	0.232 (0.188)	-0.250 (0.213)	0.606*** (0.175)
RC_asian	0.241 (0.226)	-0.710** (0.230)	0.347 (0.423)
RC_other	-0.320 (0.317)	-0.204 (0.258)	0.228 (0.246)
conservatism	-0.0632 (0.0661)	-0.206** (0.0695)	0.208*** (0.0559)
republican_dich	0.0178 (0.172)	-0.295 (0.166)	0.212 (0.129)
independent_dich	-0.100 (0.135)	-0.209 (0.144)	0.158 (0.100)
/cut1	-3.861*** (0.308)	-4.002*** (0.401)	-1.114*** (0.308)
/cut2	-2.400*** (0.286)	-2.709*** (0.394)	0.473 (0.291)
/cut3	-0.538 (0.286)	-0.865* (0.389)	1.739*** (0.308)
/cut4	1.257***	1.233**	3.200***

	(0.282)	(0.409)	(0.335)
Observations	3,315	2,644	3,330

Standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05

Table A8.2

VARIABLES	(1) Gap Exists	(2) Gap Justifies Enhancement	(3) Enhancement would Bridge Gap
relig_catholic	-0.490* (0.247)	0.0680 (0.284)	-0.187 (0.239)
relig_cons_prot	-0.435 (0.268)	-0.0962 (0.297)	-0.183 (0.230)
relig_lib_prot	-0.240 (0.294)	0.145 (0.346)	-0.115 (0.234)
relig_other	0.0686 (0.192)	0.0943 (0.213)	-0.0467 (0.202)
relig_lowpartic	0.0239 (0.266)	0.667* (0.282)	-0.0736 (0.237)
relig_agn_ath	-0.216 (0.183)	0.226 (0.203)	-0.272 (0.176)
gender_female	0.110 (0.136)	-0.527*** (0.145)	-0.0145 (0.130)
gender_oth_nosay	-0.253 (0.270)	-0.152 (0.384)	0.137 (0.266)
RC_hisp	-0.0829 (0.222)	-0.374 (0.243)	0.218 (0.254)
RC_asian	0.553*** (0.157)	-0.816*** (0.174)	0.852*** (0.153)
RC_other	-0.240 (0.273)	-0.357 (0.353)	0.787** (0.253)
conservatism	-0.00942 (0.0622)	-0.265*** (0.0735)	0.357*** (0.0706)
republican_dich	0.311 (0.253)	-0.204 (0.304)	0.0911 (0.299)
independent_dich	0.102 (0.157)	-0.100 (0.176)	0.133 (0.162)
Chair	-0.0967 (0.194)	0.127 (0.221)	0.0643 (0.179)
Research	-0.0268 (0.314)	0.373 (0.344)	0.726** (0.271)
US_News_Rank	0.00318* (0.00136)	-0.00174 (0.00154)	0.00416** (0.00129)
rank_assoc	0.157 (0.164)	0.366* (0.173)	-0.165 (0.154)
rank_asst	0.241 (0.157)	0.588** (0.185)	-0.0320 (0.161)
rank_lectur	0.171 (0.225)	0.450 (0.241)	-0.178 (0.222)
rank_other	0.389 (0.395)	0.311 (0.412)	-0.131 (0.438)
/cut1	-2.789*** (0.305)	-3.523*** (0.339)	-0.281 (0.279)
/cut2	-1.099*** (0.281)	-1.961*** (0.313)	1.502*** (0.282)
/cut3	0.720* (0.281)	-0.247 (0.313)	2.456*** (0.282)

	(0.280)	(0.306)	(0.288)
/cut4	2.692***	2.184***	4.170***
	(0.295)	(0.341)	(0.304)
Observations	1,037	821	1,038

Standard errors in parentheses

*** p<0.001, ** p<0.01, * p<0.05

Table A9.1: Ordered Logit Coefficients for Child with Enhanced Musical Ability Vignette. Public Data

Variables	Parents Should be Dismayed if Child Gives Up Music	Parents Should be Dismayed if Child Gives Up Music	Child Should Not Feel Bad About Giving up Music ^	Child Should Not Feel Bad About Giving up Music^	Failure of Child to Get into Music School is Parents' Fault	Failure of Child to Get into Music School is Parents' Fault
Child Raised and Has Musical Talent		0.019 (0.11)		-.018 (.11)		-.027 (.10)
Child Extensively Trained in Music	-.019 (0.11)		.018 (.11)		.027 (.10)	
Child Genetically Modified for Music	0.565*** (0.12)	0.583*** (0.11)	-.443**^ (.15)	-.461**^ (.14)	.766*** (.13)	.739*** (.11)
/cut1	-0.113 (0.08)	-0.0948 (0.07)	2.63 *** (.15)	2.65*** (.14)	-.248 (.08)	-0.275*** (.07)
/cut2	1.034*** (0.08)	1.053*** (0.08)	1.39*** (.10)	1.41*** (.10)	.891*** (.08)	0.864*** (.07)
/cut3	2.512*** (0.11)	2.531*** (0.09)	-.037 (.07)	-.018 (.08)	3.097 *** (.14)	3.07*** (.13)
Observations	3392	3392	3385	3385	3392	3392
F value	17.04***	17.04***	5.68***	5.68***	23.75***	23.75***

Notes: ***= $p < .001$, **= $p < .01$, *= $p < .05$. (Linearized standard errors in parentheses). ^ = This column reports a generalized ordered logit model. All but the “child genetically modified” variable are parallel so the consistent results across steps of the dependent variable are reported for the other variables. For the “child genetically modified” variable, this column reports the coefficient representing the difference between neither agree nor disagree and somewhat disagree/strongly disagree. Seeing genetic does not differentiate between the other steps, but dichotomously differentiates between disagreement and neutrality/agreement.

Table A9.2: Ordered Logit Coefficients for Child with Enhanced Musical Ability Vignette. Bioengineer Data

Variables	Parents Should be Dismayed if Child Gives Up Music ^	Parents Should be Dismayed if Child Gives Up Music ^	Child Should Not Feel Bad About Giving up Music	Child Should Not Feel Bad About Giving up Music	Failure of Child to Get into Music School is Parents' Fault	Failure of Child to Get into Music School is Parents' Fault
Child Raised and Has Musical Talent		0.092 (0.14)		.043 (.14)		.486** (.14)
Child Extensively Trained in Music	-.002 (0.14)		-.043 (.14)		-.486** (.14)	
Child Genetically Modified for Music	0.665***; .604* (0.18); (.26)	.760***; .700** (0.18) (.26)	.342* (.15)	.385* (.15)	.209 (.14)	.695*** (.15)
/cut1	-0.441*** (0.10)	.532 (0.10)	-2.54*** (.15)	-2.50*** (.14)	.010 (.10)	.496*** (.11)
/cut2	1.595*** (0.11)	1.68*** (0.11)	-1.74*** (.11)	-1.70*** (.10)	1.19*** (.08)	1.68*** (.12)
/cut3	2.77*** (0.15)	2.86*** (0.15)	-.036*** (.10)	-.317** (.11)	3.46*** (.20)	3.95*** (.12)
Observations	1141	1141	1141	1141	1141	1141
F value	3.18*	3.18*	3.72*	3.72*	11.50***	11.50***

Notes: ***= p< .001, **=p<.01, *=p<.05. (Linearized standard errors in parentheses). ^ = This column reports a generalized ordered logit model. All but the “child genetically modified” variable are parallel so the consistent results across steps of the dependent variable are reported for the other variables. For the “parents dismayed” columns, in the genetically modified row, the first coefficient represents the difference between somewhat disagree and more agreeing answers vs. strongly disagree. The second represents the difference between neither agree nor disagree and more agreeing responses vs. somewhat or strongly disagree.

Table A9.3

VARIABLES	(1) Want person as my doctor	(2) Enhancement may limit emotions
Drug Enhancement	-0.114 (0.124)	0.139 (0.137)
Genetic Enhancement	-0.225 (0.124)	0.0727 (0.118)
Mech Enhancement	-0.535*** (0.126)	0.409** (0.125)
Change Permanent	-0.147 (0.0940)	0.0233 (0.103)
/cut1	-2.518*** (0.138)	-2.411*** (0.123)
/cut2	-1.843*** (0.123)	-1.108*** (0.108)
/cut3	-0.261* (0.116)	1.049*** (0.128)
/cut4	1.192*** (0.122)	2.294*** (0.156)
Observations	3,387	3,393

Standard errors in parentheses
 *** p<0.001, ** p<0.01, * p<0.05

Table A9.4

VARIABLES	(1) Want person as my doctor	(2) Enhancement may limit emotions
Drug Enhancement	-0.284 (0.154)	0.221 (0.147)
Genetic Enhancement	-0.517*** (0.154)	0.474** (0.163)
Mech Enhancement	-0.426** (0.157)	0.532** (0.162)
Change Permanent	-0.144 (0.110)	0.298** (0.112)
/cut1	-3.130*** (0.165)	-1.589*** (0.140)
/cut2	-2.050*** (0.142)	-0.231 (0.124)
/cut3	-0.484*** (0.132)	1.823*** (0.134)
/cut4	0.914*** (0.136)	3.228*** (0.175)
Observations	1,149	1,150

Standard errors in parentheses

*** p<0.001, ** p<0.01, * p<0.05