Pittsburgh Freshman Engineering Attitudes Survey*
Weights for Attitude Measures
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Statements 1-28

Number	Statement	Perception	Career	Jobs	Society	Math	Exact	Family	Normalized Weight
12	Eng are inn	0.680							0.166
22	Eng fix wor	0.672							0.164
25	Eng are crea	0.670							0.163
28	Technology	0.585							0.143
17	Eng is respe	0.552							0.135
18	Like profess	0.526							0.128
27	Enjoy figuri	0.416							0.101
1	Expect eng rewarding ca		0.661						0.124
2	Expect studying rewardi		0.645						0.121
4	Don't care for this career		-0.642						0.120
3	Adv. outweigh disadv		0.609						0.114
7	No desire to change maj		0.608						0.114
8	Rewards of eng degree n		-0.601						0.113
5	Future benefits worth it		0.555						0.104
9	Eng boring 1		-0.532						0.100
6	Other majors more rewa		-0.477						0.090
23	Eng guarantee job			0.745					0.301
14	No problem find a job			0.715					0.289
21	Study eng for $$			0.511					0.206
10	Eng well paid			0.504					0.204
20	Eng improve welfare soc				0.829				0.519
11	Eng make world better				0.768				0.481
19	Enjoy liberal arts more					-0.831			0.525
13	Enjoy math/science					0.753			0.475
15	Eng exact science						0.819		0.516
26	Eng precise answers						0.767		0.484
24	Parents want me to be en							0.873	0.586
16	Parents forcing eng							0.617	0.414

Statements 29-35

Number	Statement	Basic	Comm	Normalized Weight
30	Physics abil	0.740		0.244
32	Eng ability	0.708		0.233
31	Calculus ab	0.678		0.224
29	Chemistry a	0.512		0.169
35	**Computer**	**0.395**	**0.317**	**0.130/0.161**
33	Writing abil		0.830	0.422
34	Speaking ab		0.819	0.416

*Note: Components 1 and 2 share Statement 35 due to the relative weak relationship to both measures

Statements 36-50

Number	Statement	Ability	Compatible	Groups	Study	Normalized Weights
50	Enjoy diff v	0.789				0.247
49	Enjoy open-	0.776				0.244
38	Creative thi	0.563				0.177
42	Confident in	0.539				0.169
40	Strong prob	0.521				0.163
47	Mechanicall		0.791			0.303
48	Technically inclined		0.767			0.294
36	Know what		0.528			0.202
44	Good at designing		0.525			0.201
41	**Friends stu**		**0.368**			*
43	Prefer study			0.854		0.385
37	Group bette			-0.806		0.363
45	Have not en			0.560		0.252
46	Confident in				0.840	0.501
39	Need more				-0.836	0.499