

Learning Style Inventory for Students: Statistical Analysis

by

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SAMPLE USED IN THIS ANALYSIS

The sample used in this analysis was made comprised of 1406 individuals. The following are the demographics/description of this sample.

STATE

Of the 1406 individuals, 697(49.6%) were from the state of Georgia and 709(50.4%) were from the state of Kentucky.

GENDER

Of the 1339 individuals who indicated their gender (67(4.8%) did not indicate a gender), 671(50.1%) were male and 668(49.9%) were female.

AGE

Of the 1333 individuals who indicated their age (73(5.2%) did not indicate an age, 142(10.7%) were 9 years old, 179(13.4%) were 10 years old, 159(11.9%) were 11 years old, 139(10.4%) were 12 years old, 69(5.2%) were 13 years old, 171(12.8%) were 14 years old, 236(17.7%) were 15 years old, 112(8.4%) were 16 years old, 97(7.3%) were 17 years old, 28(2.1%) were 18 years old, and 1 indicated an age of 21(0.1%).

Frequencies - VALID CASES ONLY

Statistics

		STATE	GENDER	AGE
N	Valid	1406	1339	1333
	Missing	0	67	73

Frequency Table - VALID CASES ONLY

STATE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	GEORGIA	697	49.6	49.6	49.6
	KENTUCKY	709	50.4	50.4	100.0
	Total	1406	100.0	100.0	

GENDER

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	MALE	671	47.7	50.1	50.1
	FEMALE	668	47.5	49.9	100.0
	Total	1339	95.2	100.0	
Missing	LEFT BLANK	67	4.8		
Total		1406	100.0		

AGE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	9	142	10.1	10.7	10.7
	10	179	12.7	13.4	24.1
	11	159	11.3	11.9	36.0
	12	139	9.9	10.4	46.4
	13	69	4.9	5.2	51.6
	14	171	12.2	12.8	64.4
	15	236	16.8	17.7	82.1
	16	112	8.0	8.4	90.5
	17	97	6.9	7.3	97.8
	18	28	2.0	2.1	99.9
	21	1	.1	.1	100.0
	Total	1333	94.8	100.0	
Missing	LEFT BLANK	73	5.2		
Total		1406	100.0		

GENERAL DESCRIPTIVE RESULTS

The following table contains the descriptive data analysis of the four primary styles measured by the inventory; SF, ST, NT, and NF. Included for each learning style are the mean, standard deviation, variance, minimum score, maximum score, range, and statistical measures of skewness and kurtosis.

Descriptives - VALID CASES ONLY

Descriptive Statistics

	N		Range		Minimum		Maximum		Mean		Std.		Variance	
	Statistic		Statistic		Statistic		Statistic		Statistic		Statistic		Statistic	
ST	1406		152.00		23.00		175.00		101.0320		22.2224		493.836	
NT	1406		151.00		29.00		180.00		92.0235		22.3349		498.847	
SF	1406		181.00		16.00		197.00		109.2760		26.6491		710.173	
NF	1406		166.00		31.00		197.00		102.6686		25.1972		634.896	
Valid N (listwise)	1406													

Descriptive Statistics

	Skewness		Kurtosis	
	Statistic	Std. Error	Statistic	Std. Error
ST	-.162	.065	.217	.130
NT	.468	.065	.750	.130
SF	.018	.065	.488	.130
NF	.467	.065	.470	.130
Valid N (listwise)				

RELIABILITY DATA – ITEM ANALYSIS OF EACH OF THE FOUR PRIMARY STYLES

In order to confirm the reliability of each of the four primary styles, an item analysis correlating each item of a given primary style with the total score for that primary styles was run for each of the four primary styles. It would be anticipated that each item making up a primary style should correlate positively with the total score for that primary style and should show a low or negative correlation with the other primary styles of which it is not a part.

ITEM ANALYSIS OF ST ITEMS WITH ST TOTAL SCORE

The following table includes the correlations of each of the items that make up the ST primary style with the total score for ST primary style. It should be noted that of the 38 items that make up the ST primary scale, 37(97.4%) of them were positively or moderately (0.10 or greater) correlated with the ST total score, while only 1(2.6%) was correlated near zero with the ST total score. In no instance did any of the individual items show a moderate (0.10 or greater) negative correlation with the total score.

Correlations – ITEM ANALYSIS – ST ITEMS WITH ST TOTAL SCORE

	ST	NT	SF	NF
Q01D Pearson Correlation	.258	-.013	.036	-.254
Sig (2-tailed)	.000	.629	.181	.000
N	1406	1406	1406	1406
Q02A Pearson Correlation	.283	.115	-.077	-.270
Sig (2-tailed)	.000	.000	.004	.000
N	1406	1406	1406	1406
Q04D Pearson Correlation	.399	-.131	-.019	-.216
Sig (2-tailed)	.000	.000	.473	.000
N	1406	1406	1406	1406
Q05A Pearson Correlation	.266	-.077	-.129	-.030
Sig (2-tailed)	.000	.004	.000	.262
N	1406	1406	1406	1406
Q06C Pearson Correlation	.349	-.090	.052	-.284
Sig (2-tailed)	.000	.001	.049	.000
N	1406	1406	1406	1406
Q07D Pearson Correlation	.201	-.129	.050	-.116
Sig (2-tailed)	.000	.000	.059	.000
N	1406	1406	1406	1406
Q08D Pearson Correlation	.251	-.035	-.055	-.132
Sig (2-tailed)	.000	.192	.039	.000
N	1406	1406	1406	1406
Q09D Pearson Correlation	.283	-.077	.008	-.190
Sig (2-tailed)	.000	.004	.766	.000
N	1406	1406	1406	1406
Q10D Pearson Correlation	.421	-.026	-.135	-.044
Sig (2-tailed)	.000	.333	.000	.008
N	1406	1406	1406	1406
Q11D Pearson Correlation	.236	-.108	-.015	-.097
Sig (2-tailed)	.000	.000	.564	.000
N	1406	1406	1406	1406
Q13C Pearson Correlation	.255	.140	-.133	-.208
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q14B Pearson Correlation	.306	.020	-.137	-.143
Sig (2-tailed)	.000	.444	.000	.000
N	1406	1406	1406	1406
Q15B Pearson Correlation	.385	.128	-.152	-.292
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q16C Pearson Correlation	.248	-.090	-.044	-.092
Sig (2-tailed)	.000	.001	.097	.001
N	1406	1406	1406	1406
Q17B Pearson Correlation	.318	.070	-.270	-.057
Sig (2-tailed)	.000	.008	.000	.033
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – ST ITEMS WITH ST TOTAL SCORE (continued)

	ST	NT	SF	NF
Q18B Pearson Correlation	.026	-.131	.103	-.016
Sig (2-tailed)	.330	.000	.000	.560
N	1406	1406	1406	1406
Q19D Pearson Correlation	.152	.061	-.068	-.115
Sig (2-tailed)	.000	.023	.010	.000
N	1406	1406	1406	1406
Q21D Pearson Correlation	.141	-.051	.000	-.080
Sig (2-tailed)	.000	.057	.986	.003
N	1406	1406	1406	1406
Q22B Pearson Correlation	.202	.017	-.120	-.066
Sig (2-tailed)	.000	.526	.000	.014
N	1406	1406	1406	1406
Q23A Pearson Correlation	.326	-.023	-.016	-.250
Sig (2-tailed)	.000	.386	.550	.000
N	1406	1406	1406	1406
Q24D Pearson Correlation	.244	-.037	-.089	-.088
Sig (2-tailed)	.000	.161	.001	.001
N	1406	1406	1406	1406
Q25D Pearson Correlation	.261	.043	-.292	.041
Sig (2-tailed)	.000	.107	.000	.127
N	1406	1406	1406	1406
Q26B Pearson Correlation	.312	.024	-.109	-.181
Sig (2-tailed)	.000	.370	.000	.000
N	1406	1406	1406	1406
Q27C Pearson Correlation	.106	-.044	-.002	-.052
Sig (2-tailed)	.000	.101	.927	.052
N	1406	1406	1406	1406
Q29D Pearson Correlation	.295	-.137	-.078	-.056
Sig (2-tailed)	.000	.000	.004	.035
N	1406	1406	1406	1406
Q30B Pearson Correlation	.325	.021	-.109	-.189
Sig (2-tailed)	.000	.434	.000	.000
N	1406	1406	1406	1406
Q31C Pearson Correlation	.360	-.029	-.053	-.236
Sig (2-tailed)	.000	.271	.049	.000
N	1406	1406	1406	1406
Q32C Pearson Correlation	.315	.034	-.101	-.201
Sig (2-tailed)	.000	.200	.000	.000
N	1406	1406	1406	1406
Q33B Pearson Correlation	.127	.045	-.086	-.061
Sig (2-tailed)	.000	.094	.001	.023
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – ST ITEMS WITH ST TOTAL SCORE (continued)

	ST	NT	SF	NF
Q34C Pearson Correlation	.260	.059	-.084	-.193
Sig (2-tailed)	.000	.026	.002	.000
N	1406	1406	1406	1406
Q35A Pearson Correlation	.301	.104	-.057	-.297
Sig (2-tailed)	.000	.000	.032	.000
N	1406	1406	1406	1406
Q36A Pearson Correlation	.269	.106	-.248	-.070
Sig (2-tailed)	.000	.000	.000	.009
N	1406	1406	1406	1406
Q38D Pearson Correlation	.340	-.144	.006	-.179
Sig (2-tailed)	.000	.000	.821	.000
N	1406	1406	1406	1406
Q39A Pearson Correlation	.346	.126	-.162	-.245
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q40C Pearson Correlation	.298	-.059	-.048	-.160
Sig (2-tailed)	.000	.027	.073	.000
N	1406	1406	1406	1406
Q41C Pearson Correlation	.420	-.012	-.054	-.302
Sig (2-tailed)	.000	.651	.043	.000
N	1406	1406	1406	1406
Q42A Pearson Correlation	.190	-.089	.053	-.145
Sig (2-tailed)	.000	.001	.045	.000
N	1406	1406	1406	1406
Q43D Pearson Correlation	.297	-.014	-.087	-.158
Sig (2-tailed)	.000	.607	.001	.000
N	1406	1406	1406	1406

ITEM ANALYSIS OF NT ITEMS WITH NT TOTAL SCORE

The following table includes the correlations of each of the items that make up the NT primary style with the total score for NT primary style. It should be noted that of the 38 items that make up the NT primary scale, 37(97.4%) of them were positively or moderately (0.10 or greater) correlated with the NT total score, while only 1(2.6%) was correlated near zero with the NT total score. In no instance did any of the individual items show a moderate (0.10 or greater) negative correlation with the total score.

Correlations – ITEM ANALYSIS – NT ITEMS WITH NT TOTAL SCORE

	NT	ST	SF	NF
Q01B Pearson Correlation	.388	.071	-.245	-.147
Sig (2-tailed)	.000	.008	.000	.000
N	1406	1406	1406	1406
Q02B Pearson Correlation	.315	-.092	-.120	-.072
Sig (2-tailed)	.000	.001	.000	.007
N	1406	1406	1406	1406
Q04A Pearson Correlation	.308	-.013	-.107	-.149
Sig (2-tailed)	.000	.621	.000	.000
N	1406	1406	1406	1406
Q05B Pearson Correlation	.350	.045	-.283	-.050
Sig (2-tailed)	.000	.094	.000	.061
N	1406	1406	1406	1406
Q06A Pearson Correlation	.449	.007	-.300	-.087
Sig (2-tailed)	.000	.801	.000	.001
N	1406	1406	1406	1406
Q07C Pearson Correlation	.441	-.008	-.320	-.045
Sig (2-tailed)	.000	.765	.000	.088
N	1406	1406	1406	1406
Q08C Pearson Correlation	.180	-.023	-.084	-.051
Sig (2-tailed)	.000	.391	.002	.058
N	1406	1406	1406	1406
Q09B Pearson Correlation	.370	.032	-.237	-.105
Sig (2-tailed)	.000	.230	.000	.000
N	1406	1406	1406	1406
Q10B Pearson Correlation	.254	-.027	-.084	.064
Sig (2-tailed)	.042	.319	.002	.016
N	1406	1406	1406	1406
Q11A Pearson Correlation	-.030	-.225	.003	.222
Sig (2-tailed)	.266	.000	.904	.000
N	1406	1406	1406	1406
Q13A Pearson Correlation	.361	-.052	-.197	-.066
Sig (2-tailed)	.000	.052	.000	.013
N	1406	1406	1406	1406
Q14C Pearson Correlation	.249	.020	-.168	-.062
Sig (2-tailed)	.000	.445	.000	.021
N	1406	1406	1406	1406
Q15A Pearson Correlation	.282	-.144	-.078	-.041
Sig (2-tailed)	.000	.000	.003	.127
N	1406	1406	1406	1406
Q16B Pearson Correlation	.166	.059	-.065	-.130
Sig (2-tailed)	.000	.028	.015	.000
N	1406	1406	1406	1406
Q17C Pearson Correlation	.385	-.007	-.234	-.087
Sig (2-tailed)	.000	.787	.000	.001
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – NT ITEMS WITH NT TOTAL SCORE (continued)

	NT	ST	SF	NF
Q18A Pearson Correlation	.402	.020	-.152	-.214
Sig (2-tailed)	.000	.446	.000	.000
N	1406	1406	1406	1406
Q19C Pearson Correlation	.187	.031	-.131	-.054
Sig (2-tailed)	.000	.250	.000	.041
N	1406	1406	1406	1406
Q21A Pearson Correlation	.373	.000	-.194	-.126
Sig (2-tailed)	.000	.994	.000	.000
N	1406	1406	1406	1406
Q22D Pearson Correlation	.333	.006	-.217	-.071
Sig (2-tailed)	.000	.811	.000	.007
N	1406	1406	1406	1406
Q23B Pearson Correlation	.375	-.116	-.245	.029
Sig (2-tailed)	.000	.000	.000	.278
N	1406	1406	1406	1406
Q24A Pearson Correlation	.103	-.034	-.070	.012
Sig (2-tailed)	.000	.204	.009	.645
N	1406	1406	1406	1406
Q25A Pearson Correlation	.407	.001	-.279	-.066
Sig (2-tailed)	.000	.975	.000	.013
N	1406	1406	1406	1406
Q26C Pearson Correlation	.321	-.010	-.248	-.014
Sig (2-tailed)	.000	.719	.000	.603
N	1406	1406	1406	1406
Q27D Pearson Correlation	.195	.052	-.044	-.172
Sig (2-tailed)	.000	.053	.099	.000
N	1406	1406	1406	1406
Q29A Pearson Correlation	.325	-.025	-.138	-.120
Sig (2-tailed)	.000	.346	.000	.000
N	1406	1406	1406	1406
Q30A Pearson Correlation	.365	.088	-.273	-.112
Sig (2-tailed)	.000	.001	.000	.000
N	1406	1406	1406	1406
Q31A Pearson Correlation	.341	-.065	-.237	-.006
Sig (2-tailed)	.000	.014	.000	.818
N	1406	1406	1406	1406
Q32A Pearson Correlation	.292	-.090	-.148	-.023
Sig (2-tailed)	.000	.001	.000	.397
N	1406	1406	1406	1406
Q33A Pearson Correlation	.254	.061	-.173	.096
Sig (2-tailed)	.000	.022	.000	.000
N	1406	1406	1406	1406
Q34A Pearson Correlation	.396	.038	-.249	-.120
Sig (2-tailed)	.000	.160	.000	.000
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – NT ITEMS WITH NT TOTAL SCORE (continued)

	NT	ST	SF	NF
Q35B Pearson Correlation	.317	.122	-.187	-.190
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q36C Pearson Correlation	.172	-.001	-.117	-.028
Sig (2-tailed)	.000	.968	.000	.301
N	1406	1406	1406	1406
Q38B Pearson Correlation	.298	-.078	-.159	-.027
Sig (2-tailed)	.000	.003	.000	.319
N	1406	1406	1406	1406
Q39C Pearson Correlation	.286	-.071	-.165	-.016
Sig (2-tailed)	.000	.008	.000	.543
N	1406	1406	1406	1406
Q40B Pearson Correlation	.239	.014	-.176	-.038
Sig (2-tailed)	.000	.600	.000	.155
N	1406	1406	1406	1406
Q41B Pearson Correlation	.317	-.078	-.144	.060
Sig (2-tailed)	.000	.003	.000	.025
N	1406	1406	1406	1406
Q42C Pearson Correlation	.287	.094	-.234	-.090
Sig (2-tailed)	.000	.000	.000	.001
N	1406	1406	1406	1406
Q43A Pearson Correlation	.296	.036	-.144	-.142
Sig (2-tailed)	.000	.171	.000	.000
N	1406	1406	1406	1406

ITEM ANALYSIS OF SF ITEMS WITH SF TOTAL SCORE

The following table includes the correlations of each of the items that make up the SF primary style with the total score for SF primary style. It should be noted that of the 38 items that make up the SF primary scale, all 38(100%) of them were positively or moderately (0.10 or greater) correlated with the SF total score.

Correlations – ITEM ANALYSIS – SF ITEMS WITH SF TOTAL SCORE

	SF	ST	NT	NF
Q01A Pearson Correlation	.420	-.056	-.242	-.180
Sig (2-tailed)	.000	.035	.000	.000
N	1406	1406	1406	1406
Q02C Pearson Correlation	.499	-.064	-.311	-.196
Sig (2-tailed)	.000	.017	.000	.000
N	1406	1406	1406	1406
Q04B Pearson Correlation	.303	-.237	-.147	.020
Sig (2-tailed)	.000	.000	.000	.462
N	1406	1406	1406	1406
Q05C Pearson Correlation	.461	-.216	-.256	-.071
Sig (2-tailed)	.000	.000	.000	.008
N	1406	1406	1406	1406
Q06D Pearson Correlation	.363	-.129	-.275	-.026
Sig (2-tailed)	.000	.000	.000	.336
N	1406	1406	1406	1406
Q07B Pearson Correlation	.265	-.154	-.115	-.043
Sig (2-tailed)	.000	.000	.000	.111
N	1406	1406	1406	1406
Q08B Pearson Correlation	.191	-.151	-.081	.003
Sig (2-tailed)	.000	.000	.002	.903
N	1406	1406	1406	1406
Q09A Pearson Correlation	.391	-.124	-.104	-.211
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q10C Pearson Correlation	.374	-.083	-.070	-.048
Sig (2-tailed)	.000	.002	.008	.073
N	1406	1406	1406	1406
Q11C Pearson Correlation	.306	-.121	-.169	-.067
Sig (2-tailed)	.000	.000	.000	.012
N	1406	1406	1406	1406
Q13D Pearson Correlation	.467	.063	-.373	-.219
Sig (2-tailed)	.000	.018	.000	.000
N	1406	1406	1406	1406
Q14D Pearson Correlation	.301	-.105	-.207	-.043
Sig (2-tailed)	.000	.000	.000	.109
N	1406	1406	1406	1406
Q15C Pearson Correlation	.361	.046	-.316	-.143
Sig (2-tailed)	.000	.084	.000	.000
N	1406	1406	1406	1406
Q16A Pearson Correlation	.183	-.110	-.016	-.082
Sig (2-tailed)	.000	.000	.552	.002
N	1406	1406	1406	1406
Q17A Pearson Correlation	.468	-.043	-.238	-.245
Sig (2-tailed)	.000	.103	.000	.000
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – SF ITEMS WITH SF TOTAL SCORE (continued)

	SF	ST	NT	NF
Q18D Pearson Correlation	.267	.065	-.256	-.113
Sig (2-tailed)	.000	.014	.000	.000
N	1406	1406	1406	1406
Q19A Pearson Correlation	.223	.049	-.088	-.201
Sig (2-tailed)	.000	.068	.001	.000
N	1406	1406	1406	1406
Q21B Pearson Correlation	.343	-.043	-.248	-.104
Sig (2-tailed)	.000	.107	.000	.000
N	1406	1406	1406	1406
Q22A Pearson Correlation	.391	-.041	-.249	-.156
Sig (2-tailed)	.000	.123	.000	.000
N	1406	1406	1406	1406
Q23C Pearson Correlation	.257	-.134	-.189	.013
Sig (2-tailed)	.000	.000	.000	.618
N	1406	1406	1406	1406
Q24B Pearson Correlation	.339	-.219	-.156	-.027
Sig (2-tailed)	.000	.000	.000	.304
N	1406	1406	1406	1406
Q25B Pearson Correlation	.449	-.174	-.269	.083
Sig (2-tailed)	.000	.000	.000	.002
N	1406	1406	1406	1406
Q26D Pearson Correlation	.342	-.123	-.229	-.050
Sig (2-tailed)	.000	.000	.000	.061
N	1406	1406	1406	1406
Q27A Pearson Correlation	.102	.022	-.025	-.106
Sig (2-tailed)	.000	.403	.356	.000
N	1406	1406	1406	1406
Q29C Pearson Correlation	.318	-.087	-.202	-.081
Sig (2-tailed)	.000	.001	.000	.003
N	1406	1406	1406	1406
Q30D Pearson Correlation	.321	-.098	-.250	-.032
Sig (2-tailed)	.000	.000	.000	.230
N	1406	1406	1406	1406
Q31D Pearson Correlation	.261	-.090	-.219	-.003
Sig (2-tailed)	.000	.001	.000	.925
N	1406	1406	1406	1406
Q32D Pearson Correlation	.430	-.091	-.333	-.079
Sig (2-tailed)	.000	.001	.000	.003
N	1406	1406	1406	1406
Q33C Pearson Correlation	.261	-.087	-.191	-.030
Sig (2-tailed)	.000	.001	.000	.254
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – SF ITEMS WITH SF TOTAL SCORE (continued)

	SF	ST	NT	NF
Q34B Pearson Correlation	.496	-.092	-.352	-.133
Sig (2-tailed)	.000	.001	.000	.000
N	1406	1406	1406	1406
Q35C Pearson Correlation	.400	-.134	-.243	-.089
Sig (2-tailed)	.000	.000	.000	.001
N	1406	1406	1406	1406
Q36D Pearson Correlation	.452	-.228	-.291	-.020
Sig (2-tailed)	.000	.000	.000	.455
N	1406	1406	1406	1406
Q38C Pearson Correlation	.187	-.127	-.134	.033
Sig (2-tailed)	.000	.000	.000	.221
N	1406	1406	1406	1406
Q39B Pearson Correlation	.448	-.053	-.178	-.270
Sig (2-tailed)	.000	.046	.000	.000
N	1406	1406	1406	1406
Q40D Pearson Correlation	.340	-.145	-.204	-.051
Sig (2-tailed)	.000	.000	.000	.056
N	1406	1406	1406	1406
Q41D Pearson Correlation	.396	-.262	-.237	.022
Sig (2-tailed)	.000	.000	.000	.405
N	1406	1406	1406	1406
Q42D Pearson Correlation	.248	-.113	-.025	-.035
Sig (2-tailed)	.000	.000	.342	.191
N	1406	1406	1406	1406
Q43B Pearson Correlation	.391	-.142	-.191	-.119
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406

ITEM ANALYSIS OF NF ITEMS WITH NF TOTAL SCORE

The following table includes the correlations of each of the items that make up the NF primary style with the total score for NF primary style. It should be noted that of the 38 items that make up the NF primary scale, 37 (97.4%) of them were positively or moderately (0.10 or greater) correlated with the NF total score, while only 1 (2.6%) was correlated near zero with the NF total score. In no instance did any of the individual items show a moderate (0.10 or greater) negative correlation with the total score.

Correlations – ITEM ANALYSIS – NF ITEMS WITH NF TOTAL SCORE

	NF	ST	NT	SF
Q01C Pearson Correlation	.493	-.244	-.110	-.171
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q02D Pearson Correlation	.505	-.145	-.076	-.293
Sig (2-tailed)	.000	.000	.005	.000
N	1406	1406	1406	1406
Q04C Pearson Correlation	.394	-.207	.006	-.205
Sig (2-tailed)	.000	.000	.832	.000
N	1406	1406	1406	1406
Q05D Pearson Correlation	.165	-.110	.005	-.068
Sig (2-tailed)	.000	.000	.852	.011
N	1406	1406	1406	1406
Q06B Pearson Correlation	.456	-.272	-.106	-.116
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q07A Pearson Correlation	.195	-.058	-.194	.026
Sig (2-tailed)	.000	.029	.000	.321
N	1406	1406	1406	1406
Q08A Pearson Correlation	.199	-.123	-.064	-.032
Sig (2-tailed)	.000	.000	.017	.231
N	1406	1406	1406	1406
Q09C Pearson Correlation	.518	-.216	-.133	-.199
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q10A Pearson Correlation	.227	-.110	-.102	.068
Sig (2-tailed)	.000	.000	.000	.006
N	1406	1406	1406	1406
Q11B Pearson Correlation	-.057	.087	.314	-.282
Sig (2-tailed)	.034	.001	.000	.000
N	1406	1406	1406	1406
Q13B Pearson Correlation	.516	-.264	-.077	-.203
Sig (2-tailed)	.000	.000	.004	.000
N	1406	1406	1406	1406
Q14A Pearson Correlation	.213	-.189	-.034	-.015
Sig (2-tailed)	.000	.000	.201	.565
N	1406	1406	1406	1406
Q15D Pearson Correlation	.435	-.261	-.095	-.114
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q16D Pearson Correlation	.273	-.175	-.058	-.064
Sig (2-tailed)	.000	.000	.030	.017
N	1406	1406	1406	1406
Q17D Pearson Correlation	.348	-.260	-.156	.018
Sig (2-tailed)	.000	.000	.000	.497
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – NF ITEMS WITH NF TOTAL SCORE (continued)

	NF	ST	NT	SF
Q18C Pearson Correlation	.374	-.129	-.021	-.229
Sig (2-tailed)	.000	.000	.436	.000
N	1406	1406	1406	1406
Q19B Pearson Correlation	.415	-.242	-.142	-.071
Sig (2-tailed)	.000	.000	.000	.008
N	1406	1406	1406	1406
Q21C Pearson Correlation	.341	-.120	-.106	-.133
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q22C Pearson Correlation	.303	-.167	-.095	-.068
Sig (2-tailed)	.000	.000	.000	.011
N	1406	1406	1406	1406
Q23D Pearson Correlation	.236	-.125	-.172	.026
Sig (2-tailed)	.000	.000	.000	.336
N	1406	1406	1406	1406
Q24C Pearson Correlation	.101	-.023	.102	-.162
Sig (2-tailed)	.000	.387	.000	.000
N	1406	1406	1406	1406
Q25C Pearson Correlation	.108	-.129	-.245	.211
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q26A Pearson Correlation	.217	-.153	-.103	.009
Sig (2-tailed)	.000	.000	.000	.733
N	1406	1406	1406	1406
Q27B Pearson Correlation	.356	-.189	-.135	-.067
Sig (2-tailed)	.000	.000	.000	.012
N	1406	1406	1406	1406
Q29B Pearson Correlation	.300	-.237	.016	-.099
Sig (2-tailed)	.000	.000	.545	.000
N	1406	1406	1406	1406
Q30C Pearson Correlation	.341	-.299	-.180	.078
Sig (2-tailed)	.000	.000	.000	.003
N	1406	1406	1406	1406
Q31B Pearson Correlation	.235	-.207	-.121	.051
Sig (2-tailed)	.000	.000	.000	.054
N	1406	1406	1406	1406
Q32B Pearson Correlation	.326	-.145	.048	-.228
Sig (2-tailed)	.000	.000	.071	.000
N	1406	1406	1406	1406
Q33D Pearson Correlation	.176	-.095	-.113	.007
Sig (2-tailed)	.000	.000	.000	.795
N	1406	1406	1406	1406
Q34D Pearson Correlation	.424	-.187	-.119	-.145
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406

(continued)

Correlations – ITEM ANALYSIS – NF ITEMS WITH NF TOTAL SCORE (continued)

	NF	ST	NT	SF
Q35D Pearson Correlation	.508	-.267	-.159	-.125
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q36B Pearson Correlation	.122	-.037	.046	-.123
Sig (2-tailed)	.000	.168	.085	.000
N	1406	1406	1406	1406
Q38A Pearson Correlation	.204	-.198	.026	-.050
Sig (2-tailed)	.000	.000	.327	.061
N	1406	1406	1406	1406
Q39D Pearson Correlation	.497	-.227	-.188	-.123
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406
Q40A Pearson Correlation	.229	-.148	.051	-.136
Sig (2-tailed)	.000	.000	.055	.000
N	1406	1406	1406	1406
Q41A Pearson Correlation	.318	-.082	-.044	-.196
Sig (2-tailed)	.000	.002	.103	.000
N	1406	1406	1406	1406
Q42B Pearson Correlation	.257	-.182	-.149	.034
Sig (2-tailed)	.000	.000	.000	.202
N	1406	1406	1406	1406
Q43C Pearson Correlation	.419	-.207	-.106	-.135
Sig (2-tailed)	.000	.000	.000	.000
N	1406	1406	1406	1406

RELIABILITY DATA – ITEM ANALYSIS OF EACH OF THE INTROVERSION/EXTROVERSION ITEMS

In order to confirm the reliability of each of the introversion/extroversion items, an item analysis correlating each item making up the introversion score with the introversion total score and an item analysis correlating each item making up the extroversion scores with the extroversion total score. It would be anticipated that each item making up each of these scores should correlate positively with the total score for that area.

ITEM ANALYSIS OF INTROVERSION ITEMS WITH INTROVERSION TOTAL SCORE

The following table includes the correlations of each of the items that make up the introversion total score with the total score for introversion. It should be noted that of the 10 items that make up the introversion score, all 10 (100%) of them were positively or moderately (0.21 or greater) correlated with the introversion total score.

Correlations – ITEM ANALYSIS – INTROVERSION WITH INTROVERSION ITEMS

	INTROV
Q03A Pearson Correlation	.387
Sig (2-tailed)	.000
N	1406
Q03B Pearson Correlation	.371
Sig (2-tailed)	.000
N	1406
Q12B Pearson Correlation	.284
Sig (2-tailed)	.000
N	1406
Q12C Pearson Correlation	.365
Sig (2-tailed)	.000
N	1406
Q20A Pearson Correlation	.341
Sig (2-tailed)	.000
N	1406
Q20D Pearson Correlation	.271
Sig (2-tailed)	.000
N	1406
Q28B Pearson Correlation	.219
Sig (2-tailed)	.000
N	1406
Q28D Pearson Correlation	.358
Sig (2-tailed)	.000
N	1406
Q37A Pearson Correlation	.386
Sig (2-tailed)	.000
N	1406
Q37B Pearson Correlation	.320
Sig (2-tailed)	.000
N	1406

ITEM ANALYSIS OF EXTROVERSION ITEMS WITH EXTROVERSION TOTAL SCORE

The following table includes the correlations of each of the items that make up the extroversion total score with the total score for extroversion. It should be noted that of the 10 items that make up the extroversion score, all 10 (100%) of them were positively or moderately (0.25 or greater) correlated with the extroversion total score.

Correlations – ITEM ANALYSIS – EXTROVERSION WITH EXTROVERSION ITEMS

	EXTROV
Q03C Pearson Correlation	.429
Sig (2-tailed)	.000
N	1406
Q03D Pearson Correlation	.320
Sig (2-tailed)	.000
N	1406
Q12A Pearson Correlation	.381
Sig (2-tailed)	.000
N	1406
Q12D Pearson Correlation	.317
Sig (2-tailed)	.000
N	1406
Q20B Pearson Correlation	.370
Sig (2-tailed)	.000
N	1406
Q20C Pearson Correlation	.259
Sig (2-tailed)	.000
N	1406
Q28A Pearson Correlation	.279
Sig (2-tailed)	.000
N	1406
Q28C Pearson Correlation	.256
Sig (2-tailed)	.000
N	1406
Q37C Pearson Correlation	.321
Sig (2-tailed)	.000
N	1406
Q37D Pearson Correlation	.418
Sig (2-tailed)	.000
N	1406

RELIABILITY DATA – SPLIT HALF RELIABILITY OF EACH OF THE FOUR PRIMARY STYLE INVENTORIES

The following sections contain the split half reliability correlation coefficients for each of the four primary style total inventories. Each analysis yielded 19 items in subscore A and 19 items in subscore B which were then correlated to produce the split half reliability. It is anticipated that there should be moderately high positive correlations indicating reasonably stable reliability for a style inventory.

SPLIT HALF RELIABILITY OF THE ST STYLE TOTAL INVENTORY

The split half reliability of the ST style total inventory was 0.517, a moderately high reliability coefficient, indicating reasonable consistency of the ST style inventory.

Correlations – SPLIT HALF RELIABILITY OF ST

Correlations

		STB
STA	Pearson Correlation	.517
	Sig (2-tailed)	.000
	N	1406

SPLIT HALF RELIABILITY OF THE NT STYLE TOTAL INVENTORY

The split half reliability of the NT style total inventory was 0.579, a moderately high reliability coefficient, indicating reasonable consistency of the NT style inventory.

Correlations – SPLIT HALF RELIABILITY OF NT

Correlations

		STB
NTA	Pearson Correlation	.579
	Sig (2-tailed)	.000
	N	1406

SPLIT HALF RELIABILITY OF THE SF STYLE TOTAL INVENTORY

The split half reliability of the SF style total inventory was 0.662, a moderately high reliability coefficient, indicating reasonable consistency of the SF style inventory.

Correlations – SPLIT HALF RELIABILITY OF SF

Correlations

		STB
SFA	Pearson Correlation	.662
	Sig (2-tailed)	.000
	N	1406

SPLIT HALF RELIABILITY OF THE NF STYLE TOTAL INVENTORY

The split half reliability of the NF style total inventory was 0.653, a moderately high reliability coefficient, indicating reasonable consistency of the NF style inventory.

Correlations – SPLIT HALF RELIABILITY OF NF

Correlations

		STB
NFA	Pearson Correlation	.653
	Sig (2-tailed)	.000
	N	1406

VALIDITY DATA – INTERCORRELATIONS OF THE FOUR PRIMARY STYLES

The following table contains in the inter-correlation matrix of the four primary styles. Included for each pair of scores is the Pearson Correlation coefficient, two tailed probability, and the valid number of pairs.

Correlations - VALID CASES ONLY

Correlations

		ST	NT	SF	NF
ST	Pearson Correlation	1.000	.001	-.291**	-.575**
	Sig. (2-tailed)		.959	.000	.000
	N	1406	1406	1406	1406
NT	Pearson Correlation	.001	1.000	-.609**	-.244**
	Sig. (2-tailed)	.959		.000	.000
	N	1406	1406	1406	1406
SF	Pearson Correlation	-.291**	-.609**	1.000	-.261**
	Sig. (2-tailed)	.000	.000		.000
	N	1406	1406	1406	1406
NF	Pearson Correlation	-.575**	-.244**	-.261**	1.000
	Sig. (2-tailed)	.000	.000	.000	
	N	1406	1406	1406	1406

** Correlation is significant at the 0.01 level (2-tailed).

**VALIDITY DATA – INTERCORRELATIONS OF INTROVERSION/EXTROVERSION
SCORES WITH THE FOUR PRIMARY STYLES**

The following table contains the correlation matrix of the introversion/extroversion scores with each of the four primary styles. As anticipated, each of the four primary style scores show a low correlation with the introversion/extroversion scores.

Correlations - ITEM ANALYSIS - INTROVERSION WITH SCORES

Correlations

		ST	NT	SF	NF	EXTROV
INTROV	Pearson Correlation	.109	.215	-.204	-.071	-1.000
	Sig. (2-tailed)	.000	.000	.000	.007	.000
	N	1406	1406	1406	1406	1406

Correlations - ITEM ANALYSIS - EXTROVERSION WITH SCORES

Correlations

		ST	NT	SF	NF	INTROV
EXTROV	Pearson Correlation	-.109	-.215	.204	.071	-1.000
	Sig. (2-tailed)	.000	.000	.000	.007	.000
	N	1406	1406	1406	1406	1406

VALIDITY DATA – CORRELATIONS OF SUBSCALES SCORES WITH THE TOTAL SCORE FOR THE FOUR PRIMARY STYLES

The following tables contain the correlation matrix of the 8 subscale scores for a given primary style with the total score for that style (as well as the other styles and introversion/extroversion scores). It is anticipated that there should be a moderate positive correlation between the style subscores and the style total score.

CORRELATION OF ST SUBSCALES WITH ST STYLE TOTAL SCORE

The following table includes the correlations of each of the ST subscales with the total ST style score (as well as the other styles and introversion/extroversion scores. It should be noted that of the 8 ST subscale scores, all 8 (100.0%) of them were positively or moderately (0.29 or greater) correlated with the ST style total score.

CORRELATION OF NT SUBSCALES WITH NT STYLE TOTAL SCORE

The following table includes the correlations of each of the NT subscales with the total NT style score (as well as the other styles and introversion/extroversion scores. It should be noted that of the 8 NT subscale scores, all 8 (100.0%) of them were positively or moderately (0.39 or greater) correlated with the NT style total score.

CORRELATION OF SF SUBSCALES WITH SF STYLE TOTAL SCORE

The following table includes the correlations of each of the SF subscales with the total SF style score (as well as the other styles and introversion/extroversion scores. It should be noted that of the 8 SF subscale scores, all 8 (100.0%) of them were positively or moderately (0.44 or greater) correlated with the SF style total score.

CORRELATION OF NF SUBSCALES WITH NF STYLE TOTAL SCORE

The following table includes the correlations of each of the NF subscales with the total NF style score (as well as the other styles and introversion/extroversion scores. It should be noted that of the 8 NF subscale scores, all 8 (100.0%) of them were positively or moderately (0.43 or greater) correlated with the NF style total score.

