The CORR Procedure

6 Variables: q1 q2 q3 q4 q5 q6

Cronbach Coefficient Alpha

Variables	Alpha
Raw	0.927569
Standardized	0.932400

Cronbach Coefficient Alpha with Deleted Variable

Deleted Variable	Raw Variables: Correlation with Total	Raw Variables: Alpha	Standardized Variables: Correlation with Total	Standardized Variables: Alpha
q1	0.833763	0.908280	0.836357	0.915363
q2	0.857402	0.905634	0.863644	0.911805
q3	0.752182	0.920783	0.761471	0.924950
q4	0.802958	0.912751	0.794871	0.920706
q5	0.714751	0.928352	0.706675	0.931804
q6	0.835175	0.909878	0.844749	0.914272

Pearson Correlation Coefficients, N = 351254

	q1	q2	q3	q4	q5	q6
q1	1.00000	0.83503	0.68099	0.69548	0.64587	0.75709
q2	0.83503	1.00000	0.74314	0.70944	0.62503	0.80007
q3	0.68099	0.74314	1.00000	0.61311	0.51505	0.78673
q4	0.69548	0.70944	0.61311	1.00000	0.74499	0.69991
q5	0.64587	0.62503	0.51505	0.74499	1.00000	0.60100
q6	0.75709	0.80007	0.78673	0.69991	0.60100	1.00000

item	q1	q2	q3	q4	q5	q6
q1	1.000	0.835	0.681	0.695	0.646	0.757
q2	0.835	1.000	0.743	0.709	0.625	0.800
q3	0.681	0.743	1.000	0.613	0.515	0.787
q4	0.695	0.709	0.613	1.000	0.745	0.700
q5	0.646	0.625	0.515	0.745	1.000	0.601
q6	0.757	0.800	0.787	0.700	0.601	1.000

item	q1	q2	q3	q4	q5	q6
q1	1.000	0.956	0.906	0.878	0.872	0.928
q2	0.956	1.000	0.931	0.903	0.874	0.944
q3	0.906	0.931	1.000	0.882	0.843	0.940
q4	0.878	0.903	0.882	1.000	0.914	0.927
q5	0.872	0.874	0.843	0.914	1.000	0.897
q6	0.928	0.944	0.940	0.927	0.897	1.000

The FACTOR Procedure

Input Data Type	Correlations
N Set/Assumed in Data Set	351254
N for Significance Tests	351254

The FACTOR Procedure
Initial Factor Method: Maximum Likelihood

Prior Communality Estimates: SMC

q1	q2	q3	q4	q5	q6
0.92365721	0.94470564	0.90220643	0.89806872	0.86081730	0.94177968

Preliminary Eigenvalues: Total = 69.5809293 Average = 11.5968215

	Eigenvalue	Difference	Proportion	Cumulative
1	69.4310213	68.5260951	0.9978	0.9978
2	0.9049263	0.6155749	0.0130	1.0109
3	0.2893513	0.5372033	0.0042	1.0150
4	-0.2478520	0.0916002	-0.0036	1.0114
5	-0.3394521	0.1176134	-0.0049	1.0066
6	-0.4570655		-0.0066	1.0000

1 factor will be retained by the NFACTOR criterion.

Iteration	Criterion	Ridge	Change	Communalities					
1	0.5227824	0.0000	0.0250	0.91882	0.94896	0.90201	0.88003	0.83581	0.95434
2	0.5218518	0.0000	0.0039	0.92012	0.94795	0.90595	0.87981	0.83351	0.95306
3	0.5218064	0.0000	0.0006	0.91985	0.94851	0.90566	0.87925	0.83318	0.95329

Convergence criterion satisfied.

Significance Tests Based on 351254 Observations

Test	DF	Chi-Square	Pr > ChiSq
H0: No common factors HA: At least one common factor	15	3880789.49	<.0001
H0: 1 Factor is sufficient HA: More factors are needed	9	183284.240	<.0001

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The FACTOR Procedure
Initial Factor Method: Maximum Likelihood

Chi-Square without Bartlett's Correction	183286.07
Akaike's Information Criterion	183268.07
Schwarz's Bayesian Criterion	183171.14
Tucker and Lewis's Reliability Coefficient	0.92

Squared Canonical Correlations

Factor1
0.98633527

Eigenvalues of the Weighted Reduced Correlation Matrix: Total = 72.181115 Average = 12.0301858

	Eigenvalue	Difference	Proportion	Cumulative
1	72.1811059	71.4374421	1.0000	1.0000
2	0.7436638	0.4305665	0.0103	1.0103
3	0.3130973	0.5329263	0.0043	1.0146
4	-0.2198289	0.1214410	-0.0030	1.0116
5	-0.3412699	0.1543832	-0.0047	1.0069
6	-0.4956531		-0.0069	1.0000

Factor Pattern

	Factor1
q1	0.95915
q2	0.97390
q3	0.95170
q4	0.93768
q5	0.91274
q6	0.97634

Variance Explained by Each Factor

Factor	Weighted	Unweighted
Factor1	72.1811059	5.43974893

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The FACTOR Procedure
Initial Factor Method: Maximum Likelihood

Final Communality Estimates and Variable Weights
Total Communality: Weighted = 72.181106 Unweighted = 5.439749

Variable	Communality	Weight
q1	0.91997617	12.4765103
q2	0.94847520	19.4205013
q3	0.90573356	10.5995660
q4	0.87924027	8.2816972
q5	0.83308738	5.9943733
q6	0.95323635	21.4084669

The Input Correlation

itemcor

1	0.8350327	0.6809904	0.6954845	0.6458673	0.7570943
0.8350327	1	0.7431426	0.7094365	0.6250305	0.8000688
0.6809904	0.7431426	1	0.6131084	0.5150455	0.7867286
0.6954845	0.7094365	0.6131084	1	0.7449947	0.6999119
0.6458673	0.6250305	0.5150455	0.7449947	1	0.6009975
0.7570943	0.8000688	0.7867286	0.6999119	0.6009975	1

numbitem

Number of items	6

alpha

0.9324004

Theta

theta

0.9329826

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The Input Correlation

itemcor

1	0.9564111	0.9060553	0.8784835	0.8717454	0.9283596
0.9564111	1	0.9308338	0.9028814	0.8744958	0.943748
0.9060553	0.9308338	1	0.8815739	0.8431046	0.9402031
0.8784835	0.9028814	0.8815739	1	0.9142043	0.9267331
0.8717454	0.8744958	0.8431046	0.9142043	1	0.8969335
0.9283596	0.943748	0.9402031	0.9267331	0.8969335	1

numbitem

Number of items	6

alpha

0.9830772

Theta

theta

0.9831203

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