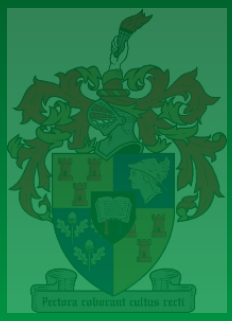


DIMENSIONALITY ANALYSIS OUTPUT

PAPI-N

July 2, 2013

Authored by: Lizelle Wilbers

Contents

1.1 Dimensionality analysis – Need to Control Others

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q8	Q31	Q54	Q77	Q100	Q123
Correlation	Q8	1.000	.062	.196	.298	.194	.152
	Q31	.062	1.000	.176	.156	.164	.138
	Q54	.196	.176	1.000	.425	.325	.341
	Q77	.298	.156	.425	1.000	.298	.272
	Q100	.194	.164	.325	.298	1.000	.354
	Q123	.152	.138	.341	.272	.354	1.000
Sig. (1-tailed)	Q8		.000	.000	.000	.000	.000
	Q31	.000		.000	.000	.000	.000
	Q54	.000	.000		.000	.000	.000
	Q77	.000	.000	.000		.000	.000
	Q100	.000	.000	.000	.000		.000
	Q123	.000	.000	.000	.000	.000	

a. Determinant = .486

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.755
Bartlett's Test of Sphericity	Approx. Chi-Square	4195.966
	df	15
	Sig.	.000

Anti-image Matrices

		Q8	Q31	Q54	Q77	Q100	Q123
Anti-image Covariance	Q8	.895	.005	-.039	-.177	-.075	-.029
	Q31	.005	.949	-.071	-.056	-.073	-.043
	Q54	-.039	-.071	.737	-.226	-.117	-.153
	Q77	-.177	-.056	-.226	.742	-.095	-.070
	Q100	-.075	-.073	-.117	-.095	.796	-.195
	Q123	-.029	-.043	-.153	-.070	-.195	.806
Anti-image Correlation	Q8	.766[a]	.005	-.048	-.218	-.088	-.035
	Q31	.005	.832[a]	-.085	-.066	-.084	-.049
	Q54	-.048	-.085	.740[a]	-.306	-.152	-.198
	Q77	-.218	-.066	-.306	.730[a]	-.123	-.091
	Q100	-.088	-.084	-.152	-.123	.773[a]	-.244
	Q123	-.035	-.049	-.198	-.091	-.244	.765[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

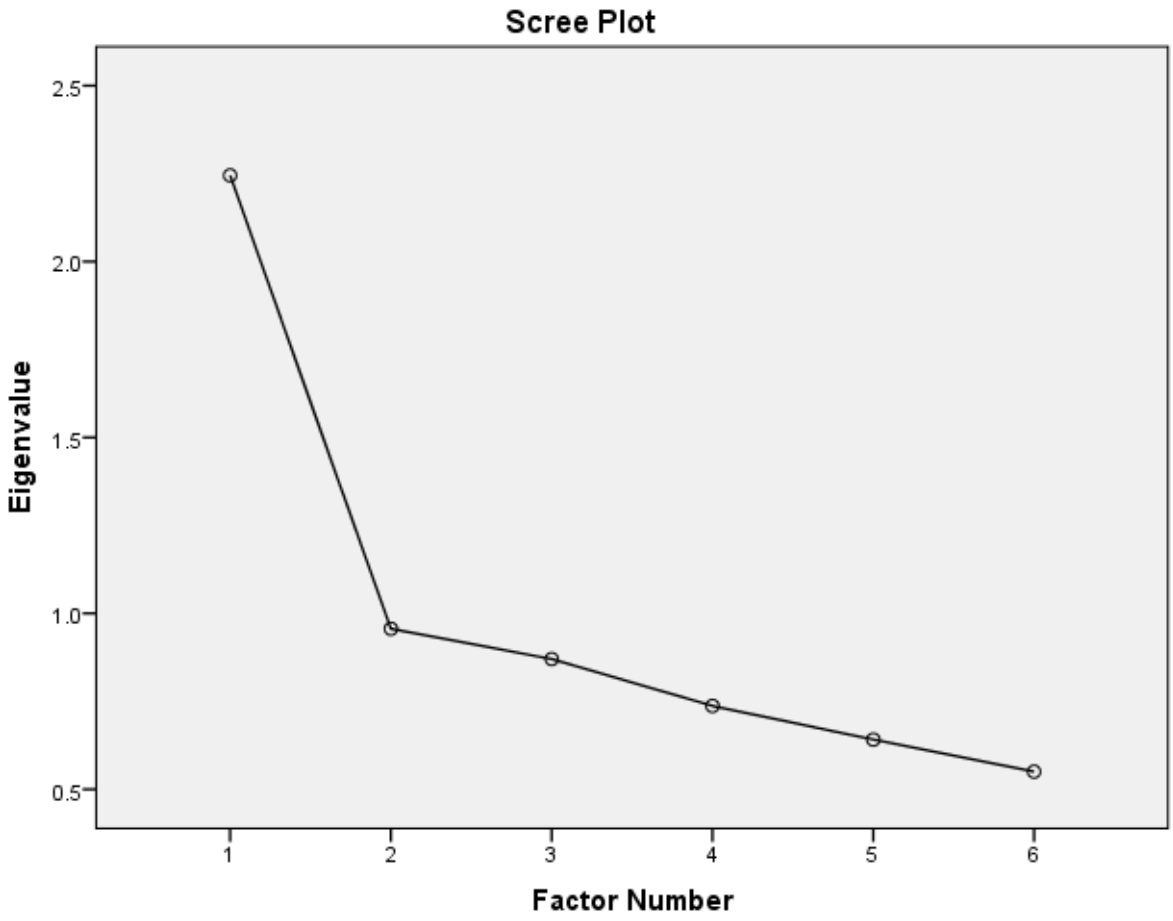
	Initial	Extraction
Q8	.105	.128
Q31	.051	.070
Q54	.263	.408
Q77	.258	.378
Q100	.204	.300
Q123	.194	.273

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.245	37.415	37.415	1.556	25.941	25.941
2	.956	15.940	53.354			
3	.870	14.503	67.858			
4	.737	12.283	80.141			
5	.641	10.689	90.829			
6	.550	9.171	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q8	.358
Q31	.264
Q54	.639
Q77	.615
Q100	.548
Q123	.522

Extraction Method: Principal Axis Factoring.[a]

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q8	Q31	Q54	Q77	Q100	Q123
Reproduced Correlation	Q8	.128[a]	.094	.228	.220	.196	.187
	Q31	.094	.070[a]	.169	.162	.145	.138
	Q54	.228	.169	.408[a]	.393	.350	.334
	Q77	.220	.162	.393	.378[a]	.337	.321
	Q100	.196	.145	.350	.337	.300[a]	.286
	Q123	.187	.138	.334	.321	.286	.273[a]
Residual[b]	Q8		-.033	-.032	.079	-.002	-.035
	Q31	-.033		.007	-.006	.019	.001
	Q54	-.032	.007		.032	-.025	.008
	Q77	.079	-.006	.032		-.039	-.049
	Q100	-.002	.019	-.025	-.039		.068
	Q123	-.035	.001	.008	-.049	.068	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 2 (13.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.2 Dimensionality – Leadership Role

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q24	Q45	Q66	Q87	Q107	Q108
Correlation	Q24	1.000	.298	.548	.511	.367	.247
	Q45	.298	1.000	.257	.258	.195	.259
	Q66	.548	.257	1.000	.475	.377	.224
	Q87	.511	.258	.475	1.000	.331	.237
	Q107	.367	.195	.377	.331	1.000	.153
	Q108	.247	.259	.224	.237	.153	1.000
Sig. (1-tailed)	Q24		.000	.000	.000	.000	.000
	Q45	.000		.000	.000	.000	.000
	Q66	.000	.000		.000	.000	.000
	Q87	.000	.000	.000		.000	.000
	Q107	.000	.000	.000	.000		.000
	Q108	.000	.000	.000	.000	.000	

a. Determinant = .304

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.811
Bartlett's Test of Sphericity	Approx. Chi-Square	6923.424
	df	15
	Sig.	.000

Anti-image Matrices

		Q24	Q45	Q66	Q87	Q107	Q108
Anti-image Covariance	Q24	.588	-.088	-.206	-.179	-.099	-.056
	Q45	-.088	.857	-.046	-.057	-.046	-.157
	Q66	-.206	-.046	.620	-.145	-.127	-.042
	Q87	-.179	-.057	-.145	.663	-.085	-.067
	Q107	-.099	-.046	-.127	-.085	.805	-.019
	Q108	-.056	-.157	-.042	-.067	-.019	.886
Anti-image Correlation	Q24	.778[a]	-.124	-.341	-.287	-.144	-.077
	Q45	-.124	.844[a]	-.063	-.075	-.055	-.180
	Q66	-.341	-.063	.791[a]	-.226	-.180	-.057
	Q87	-.287	-.075	-.226	.817[a]	-.117	-.088
	Q107	-.144	-.055	-.180	-.117	.864[a]	-.022
	Q108	-.077	-.180	-.057	-.088	-.022	.838[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

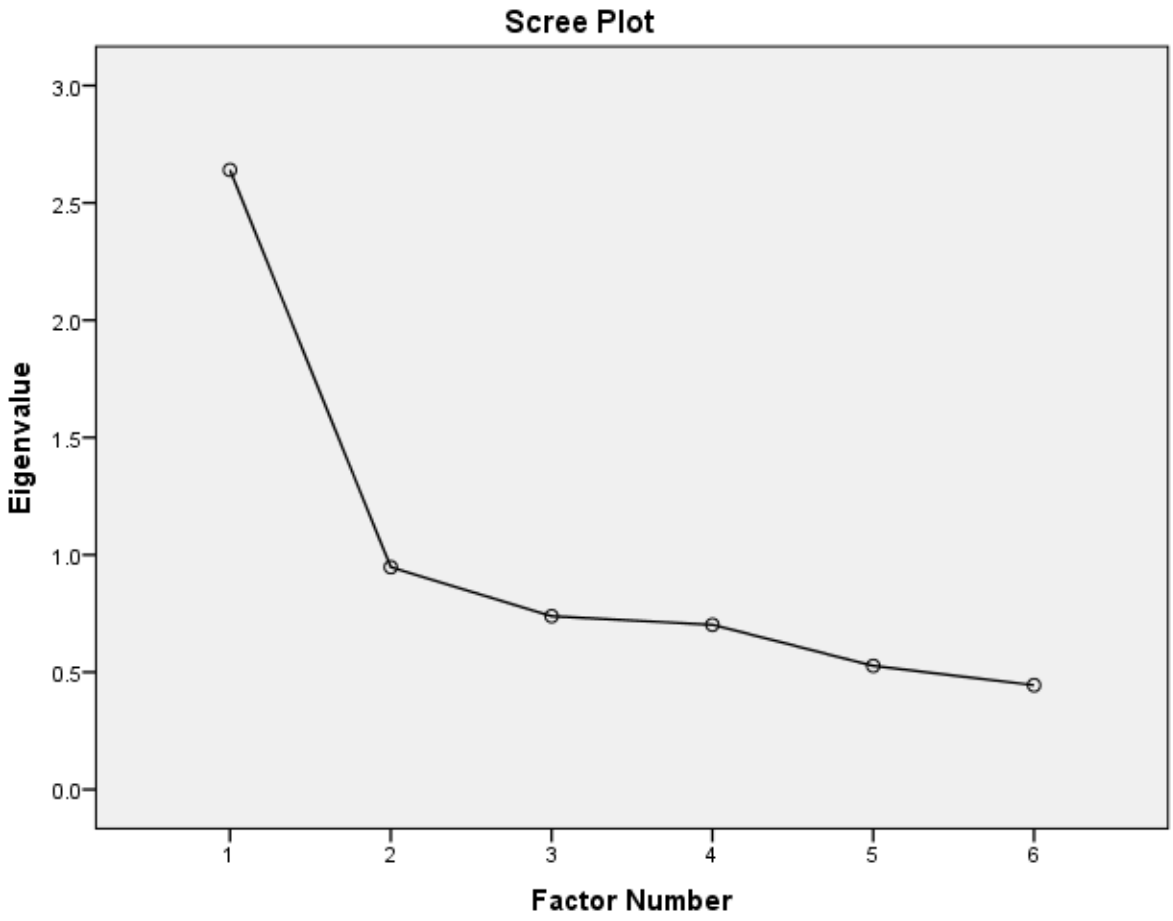
	Initial	Extraction
Q24	.412	.567
Q45	.143	.165
Q66	.380	.504
Q87	.337	.447
Q107	.195	.247
Q108	.114	.126

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.640	44.004	44.004	2.056	34.268	34.268
2	.948	15.792	59.797			
3	.739	12.311	72.107			
4	.702	11.701	83.808			
5	.527	8.781	92.589			
6	.445	7.411	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q24	.753
Q45	.406
Q66	.710
Q87	.668
Q107	.497
Q108	.355

Extraction Method: Principal Axis Factoring.a

a. 1 factors extracted. 7 iterations required.

Reproduced Correlations

		Q24	Q45	Q66	Q87	Q107	Q108
Reproduced Correlation	Q24	.567[a]	.306	.535	.503	.374	.267
	Q45	.306	.165[a]	.288	.272	.202	.144
	Q66	.535	.288	.504[a]	.475	.353	.252
	Q87	.503	.272	.475	.447[a]	.332	.237
	Q107	.374	.202	.353	.332	.247[a]	.176
	Q108	.267	.144	.252	.237	.176	.126[a]
Residual[b]	Q24		-.008	.013	.007	-.007	-.020
	Q45	-.008		-.031	-.014	-.007	.115
	Q66	.013	-.031		.001	.024	-.028
	Q87	.007	-.014	.001		-.001	7.031E-005
	Q107	-.007	-.007	.024	-.001		-.023
	Q108	-.020	.115	-.028	7.031E-005	-.023	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 1 (6.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.3 Dimensionality – Organised Type

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q5	Q28	Q51	Q74	Q97	Q120
Correlation	Q5	1.000	.270	.226	.315	.218	.257
	Q28	.270	1.000	.426	.576	.411	.486
	Q51	.226	.426	1.000	.448	.329	.409
	Q74	.315	.576	.448	1.000	.526	.601
	Q97	.218	.411	.329	.526	1.000	.417
	Q120	.257	.486	.409	.601	.417	1.000
Sig. (1-tailed)	Q5		.000	.000	.000	.000	.000
	Q28	.000		.000	.000	.000	.000
	Q51	.000	.000		.000	.000	.000
	Q74	.000	.000	.000		.000	.000
	Q97	.000	.000	.000	.000		.000
	Q120	.000	.000	.000	.000	.000	

a. Determinant = .183

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.852
Bartlett's Test of Sphericity	Approx. Chi-Square	9857.969
	df	15
	Sig.	.000

Anti-image Matrices

		Q5	Q28	Q51	Q74	Q97	Q120
Anti-image Covariance	Q5	.880	-.058	-.051	-.078	-.028	-.037
	Q28	-.058	.602	-.119	-.155	-.070	-.094
	Q51	-.051	-.119	.732	-.085	-.050	-.093
	Q74	-.078	-.155	-.085	.464	-.162	-.181
	Q97	-.028	-.070	-.050	-.162	.691	-.067
	Q120	-.037	-.094	-.093	-.181	-.067	.587
Anti-image Correlation	Q5	.920[a]	-.079	-.064	-.123	-.036	-.052
	Q28	-.079	.860[a]	-.180	-.293	-.109	-.158
	Q51	-.064	-.180	.896[a]	-.145	-.071	-.142
	Q74	-.123	-.293	-.145	.797[a]	-.286	-.346
	Q97	-.036	-.109	-.071	-.286	.875[a]	-.105
	Q120	-.052	-.158	-.142	-.346	-.105	.849[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

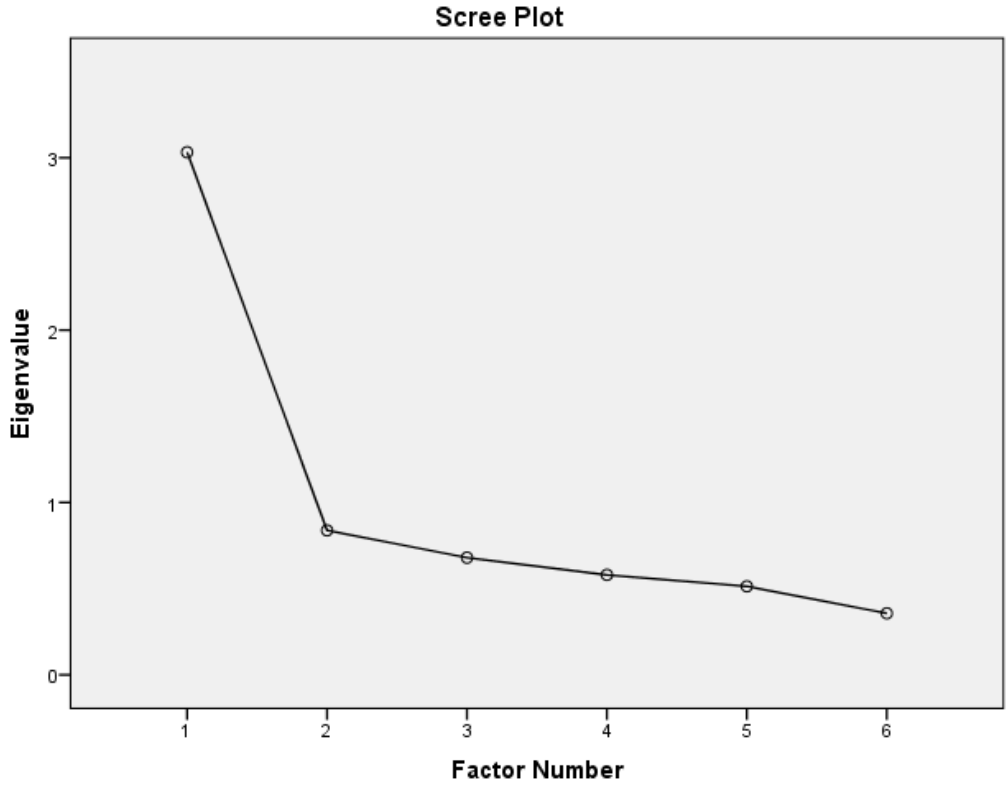
	Initial	Extraction
Q5	.120	.142
Q28	.398	.490
Q51	.268	.323
Q74	.536	.698
Q97	.309	.360
Q120	.413	.499

Extraction Method: Principal Axis Factoring.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Factor	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.032	50.535	50.535	2.512	41.863	41.863
2	.838	13.970	64.506			
3	.680	11.328	75.834			
4	.580	9.662	85.496			
5	.514	8.559	94.055			
6	.357	5.945	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q5	.377
Q28	.700
Q51	.569
Q74	.836
Q97	.600
Q120	.706

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 7 iterations required.

Reproduced Correlations

		Q5	Q28	Q51	Q74	Q97	Q120
Reproduced Correlation	Q5	.142[a]	.264	.214	.315	.226	.266
	Q28	.264	.490[a]	.398	.585	.420	.494
	Q51	.214	.398	.323[a]	.475	.341	.402
	Q74	.315	.585	.475	.698[a]	.501	.590
	Q97	.226	.420	.341	.501	.360[a]	.423
	Q120	.266	.494	.402	.590	.423	.499[a]
Residual[b]	Q5		.007	.012	-8.905E-005	-.008	-.009
	Q28	.007		.028	-.009	-.008	-.009
	Q51	.012	.028		-.027	-.012	.008
	Q74	-8.905E-005	-.009	-.027		.024	.011
	Q97	-.008	-.008	-.012	.024		-.007
	Q120	-.009	-.009	.008	.011	-.007	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (0.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.4 Dimensionality – Integrative Planner

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q44	Q67	Q90	Q93	Q113	Q114
Correlation	Q44	1.000	.307	.265	.308	.309	.357
	Q67	.307	1.000	.466	.614	.505	.588
	Q90	.265	.466	1.000	.545	.466	.508
	Q93	.308	.614	.545	1.000	.521	.616
	Q113	.309	.505	.466	.521	1.000	.691
	Q114	.357	.588	.508	.616	.691	1.000
Sig. (1-tailed)	Q44		.000	.000	.000	.000	.000
	Q67	.000		.000	.000	.000	.000
	Q90	.000	.000		.000	.000	.000
	Q93	.000	.000	.000		.000	.000
	Q113	.000	.000	.000	.000		.000
	Q114	.000	.000	.000	.000	.000	

a. Determinant = .092

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.861
Bartlett's Test of Sphericity	Approx. Chi-Square	13842.028
	df	15
	Sig.	.000

Anti-image Matrices

		Q44	Q67	Q90	Q93	Q113	Q114
Anti-image Covariance	Q44	.848	-.051	-.037	-.034	-.037	-.070
	Q67	-.051	.536	-.060	-.166	-.048	-.094
	Q90	-.037	-.060	.633	-.145	-.069	-.057
	Q93	-.034	-.166	-.145	.479	-.033	-.102
	Q113	-.037	-.048	-.069	-.033	.492	-.208
	Q114	-.070	-.094	-.057	-.102	-.208	.397
Anti-image Correlation	Q44	.944[a]	-.075	-.050	-.053	-.058	-.121
	Q67	-.075	.881[a]	-.102	-.328	-.094	-.204
	Q90	-.050	-.102	.906[a]	-.263	-.123	-.114
	Q93	-.053	-.328	-.263	.856[a]	-.069	-.234
	Q113	-.058	-.094	-.123	-.069	.838[a]	-.471
	Q114	-.121	-.204	-.114	-.234	-.471	.821[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

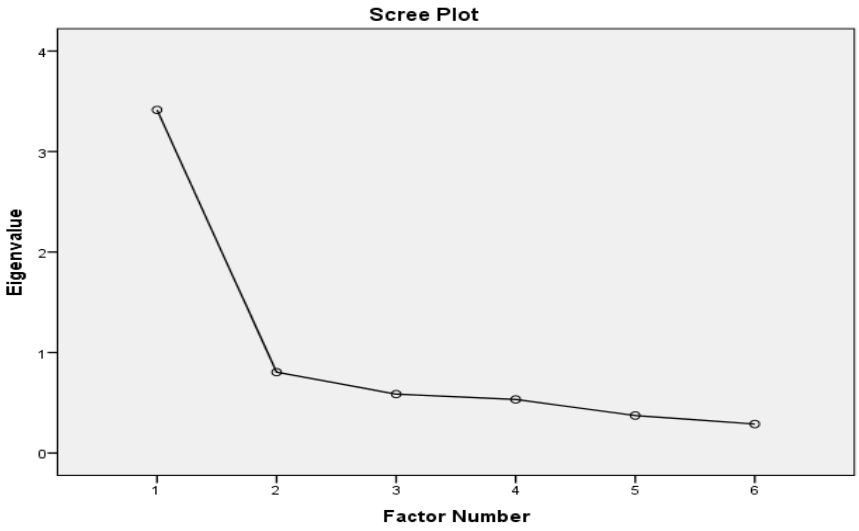
	Initial	Extraction
Q44	.152	.173
Q67	.464	.529
Q90	.367	.416
Q93	.521	.599
Q113	.508	.541
Q114	.603	.700

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.414	56.906	56.906	2.957	49.288	49.288
2	.805	13.410	70.316			
3	.586	9.771	80.087			
4	.533	8.886	88.973			
5	.373	6.217	95.190			
6	.289	4.810	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q44	.416
Q67	.727
Q90	.645
Q93	.774
Q113	.736
Q114	.836

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q44	Q67	Q90	Q93	Q113	Q114
Reproduced Correlation	Q44	.173[a]	.302	.268	.322	.306	.348
	Q67	.302	.529[a]	.469	.563	.535	.608
	Q90	.268	.469	.416[a]	.499	.474	.539
	Q93	.322	.563	.499	.599[a]	.569	.647
	Q113	.306	.535	.474	.569	.541[a]	.615
	Q114	.348	.608	.539	.647	.615	.700[a]
Residual[b]	Q44		.004	-.003	-.014	.003	.009
	Q67	.004		-.003	.051	-.030	-.020
	Q90	-.003	-.003		.047	-.008	-.031
	Q93	-.014	.051	.047		-.048	-.031
	Q113	.003	-.030	-.008	-.048		.076
	Q114	.009	-.020	-.031	-.031	.076	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 2 (13.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.5 Dimensionality – Attention to detail

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q3	Q26	Q49	Q72	Q95	Q118
Correlation	Q3	1.000	.236	.238	.182	.201	.217
	Q26	.236	1.000	.498	.445	.502	.499
	Q49	.238	.498	1.000	.444	.458	.465
	Q72	.182	.445	.444	1.000	.481	.467
	Q95	.201	.502	.458	.481	1.000	.545
	Q118	.217	.499	.465	.467	.545	1.000
Sig. (1-tailed)	Q3		.000	.000	.000	.000	.000
	Q26	.000		.000	.000	.000	.000
	Q49	.000	.000		.000	.000	.000
	Q72	.000	.000	.000		.000	.000
	Q95	.000	.000	.000	.000		.000
	Q118	.000	.000	.000	.000	.000	

a. Determinant = .191

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.861
Bartlett's Test of Sphericity	Approx. Chi-Square	9622.835
	df	15
	Sig.	.000

Anti-image Matrices

		Q3	Q26	Q49	Q72	Q95	Q118
Anti-image Covariance	Q3	.917	-.065	-.077	-.018	-.022	-.044
	Q26	-.065	.603	-.149	-.089	-.121	-.117
	Q49	-.077	-.149	.638	-.113	-.085	-.096
	Q72	-.018	-.089	-.113	.659	-.128	-.110
	Q95	-.022	-.121	-.085	-.128	.583	-.169
	Q118	-.044	-.117	-.096	-.110	-.169	.587
Anti-image Correlation	Q3	.911[a]	-.087	-.100	-.023	-.030	-.059
	Q26	-.087	.858[a]	-.241	-.142	-.204	-.196
	Q49	-.100	-.241	.867[a]	-.175	-.139	-.157
	Q72	-.023	-.142	-.175	.875[a]	-.207	-.176
	Q95	-.030	-.204	-.139	-.207	.846[a]	-.288
	Q118	-.059	-.196	-.157	-.176	-.288	.850[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

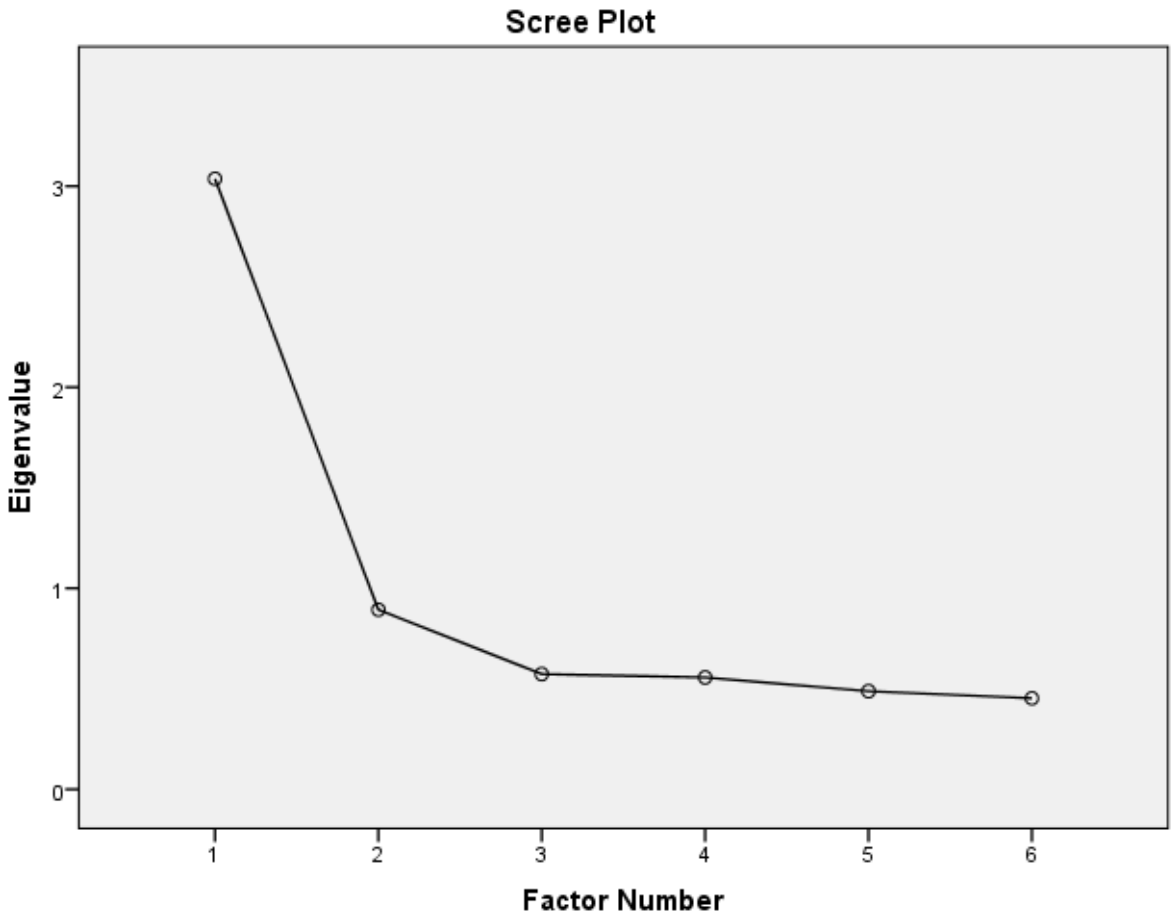
	Initial	Extraction
Q3	.083	.096
Q26	.397	.500
Q49	.362	.451
Q72	.341	.421
Q95	.417	.518
Q118	.413	.517

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.037	50.611	50.611	2.503	41.718	41.718
2	.893	14.889	65.500			
3	.573	9.553	75.053			
4	.556	9.269	84.322			
5	.488	8.132	92.454			
6	.453	7.546	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q3	.310
Q26	.707
Q49	.672
Q72	.649
Q95	.720
Q118	.719

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 5 iterations required.

Reproduced Correlations

		Q3	Q26	Q49	Q72	Q95	Q118
Reproduced Correlation	Q3	.096[a]	.219	.208	.201	.223	.223
	Q26	.219	.500[a]	.475	.459	.509	.508
	Q49	.208	.475	.451[a]	.436	.484	.483
	Q72	.201	.459	.436	.421[a]	.467	.466
	Q95	.223	.509	.484	.467	.518[a]	.518
	Q118	.223	.508	.483	.466	.518	.517[a]
Residual[b]	Q3		.017	.030	-.019	-.022	-.005
	Q26	.017		.023	-.014	-.007	-.009
	Q49	.030	.023		.008	-.025	-.018
	Q72	-.019	-.014	.008		.014	.001
	Q95	-.022	-.007	-.025	.014		.028
	Q118	-.005	-.009	-.018	.001	.028	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.6 Dimensionality – Need for rules and supervision

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q19	Q40	Q61	Q82	Q103	Q124
Correlation	Q19	1.000	.210	.338	.263	.322	.148
	Q40	.210	1.000	.271	.498	.297	.348
	Q61	.338	.271	1.000	.437	.498	.156
	Q82	.263	.498	.437	1.000	.453	.319
	Q103	.322	.297	.498	.453	1.000	.204
	Q124	.148	.348	.156	.319	.204	1.000
Sig. (1-tailed)	Q19		.000	.000	.000	.000	.000
	Q40	.000		.000	.000	.000	.000
	Q61	.000	.000		.000	.000	.000
	Q82	.000	.000	.000		.000	.000
	Q103	.000	.000	.000	.000		.000
	Q124	.000	.000	.000	.000	.000	

a. Determinant = .294

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.780
Bartlett's Test of Sphericity	Approx. Chi-Square	7106.857
	df	15
	Sig.	.000

Anti-image Matrices

		Q19	Q40	Q61	Q82	Q103	Q124
Anti-image Covariance	Q19	.843	-.045	-.140	-.030	-.111	-.037
	Q40	-.045	.704	-.019	-.230	-.034	-.172
	Q61	-.140	-.019	.671	-.141	-.222	.018
	Q82	-.030	-.230	-.141	.600	-.142	-.105
	Q103	-.111	-.034	-.222	-.142	.663	-.034
	Q124	-.037	-.172	.018	-.105	-.034	.846
Anti-image Correlation	Q19	.847[a]	-.058	-.186	-.043	-.148	-.044
	Q40	-.058	.760[a]	-.027	-.354	-.050	-.222
	Q61	-.186	-.027	.768[a]	-.222	-.332	.024
	Q82	-.043	-.354	-.222	.766[a]	-.225	-.147
	Q103	-.148	-.050	-.332	-.225	.785[a]	-.045
	Q124	-.044	-.222	.024	-.147	-.045	.804[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q19	.157	.206
Q40	.296	.531
Q61	.329	.542
Q82	.400	.541
Q103	.337	.481
Q124	.154	.229

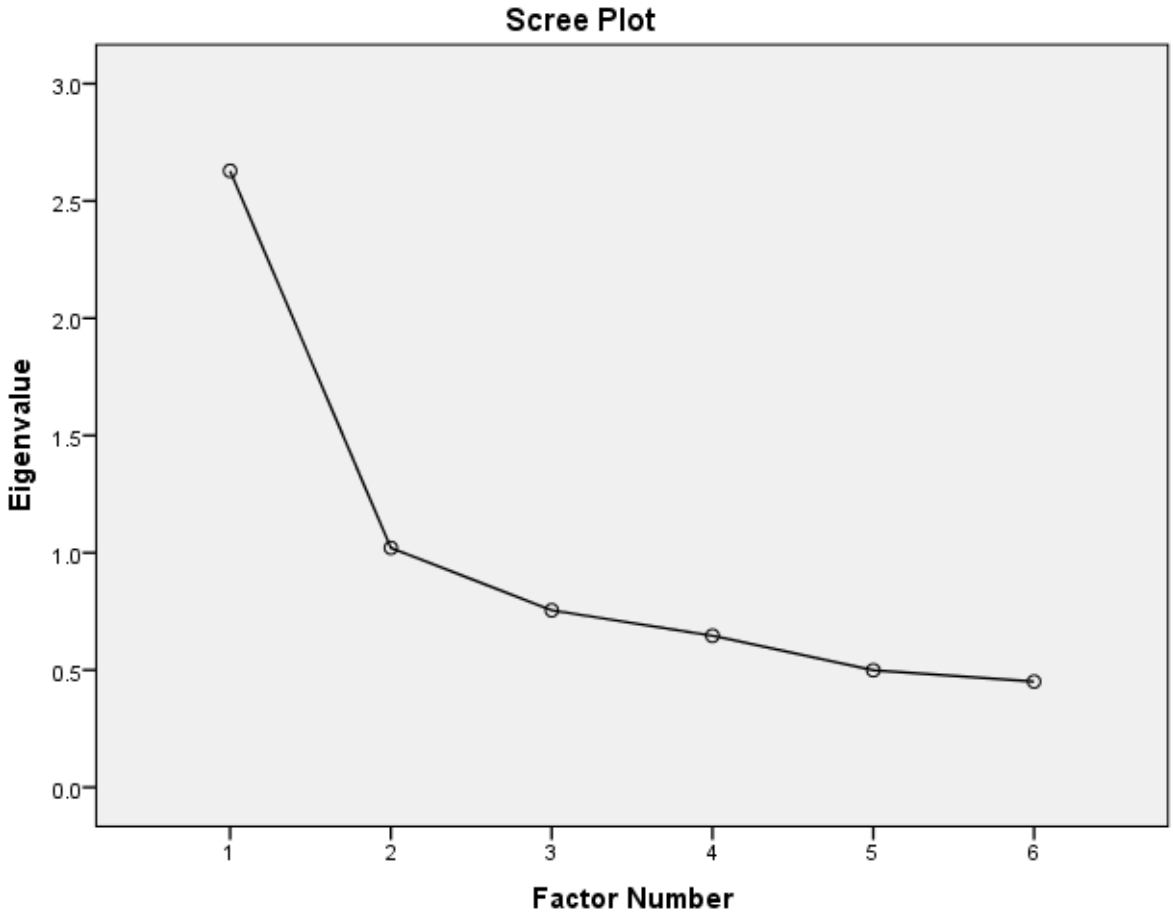
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.628	43.805	43.805	2.095	34.923	34.923	1.845
2	1.021	17.012	60.817	.435	7.256	42.179	1.637
3	.755	12.579	73.396				
4	.646	10.770	84.166				
5	.499	8.318	92.484				
6	.451	7.516	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q19	.428	-.151
Q40	.613	.393
Q61	.653	-.341
Q82	.724	.128
Q103	.653	-.234
Q124	.398	.265

Extraction Method: Principal Axis Factoring.

a. 2 factors extracted. 17 iterations required.

Reproduced Correlations

		Q19	Q40	Q61	Q82	Q103	Q124
Reproduced Correlation	Q19	.206[a]	.203	.331	.291	.315	.130
	Q40	.203	.531[a]	.266	.495	.308	.349
	Q61	.331	.266	.542[a]	.429	.506	.170
	Q82	.291	.495	.429	.541[a]	.443	.323
	Q103	.315	.308	.506	.443	.481[a]	.198
	Q124	.130	.349	.170	.323	.198	.229[a]
Residual[b]	Q19		.007	.007	-.028	.007	.018
	Q40	.007		.004	.003	-.011	-.001
	Q61	.007	.004		.007	-.008	-.014
	Q82	-.028	.003	.007		.010	-.003
	Q103	.007	-.011	-.008	.010		.006
	Q124	.018	-.001	-.014	-.003	.006	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q19	.434	.033
Q40	-.015	.737
Q61	.777	-.074
Q82	.333	.490
Q103	.665	.047
Q124	-.020	.490

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 5 iterations.

Structure Matrix

	Factor	
	1	2
Q19	.453	.285
Q40	.412	.728
Q61	.734	.377
Q82	.618	.684
Q103	.692	.433
Q124	.264	.478

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	.580
2	.580	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.7 Dimensionality – Conceptual thinker

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q2	Q25	Q48	Q71	Q94	Q117
Correlation	Q2	1.000	.133	.164	.112	.099	.001
	Q25	.133	1.000	.445	.285	.265	.198
	Q48	.164	.445	1.000	.278	.295	.182
	Q71	.112	.285	.278	1.000	.486	.212
	Q94	.099	.265	.295	.486	1.000	.258
	Q117	.001	.198	.182	.212	.258	1.000
Sig. (1-tailed)	Q2		.000	.000	.000	.000	.480
	Q25	.000		.000	.000	.000	.000
	Q48	.000	.000		.000	.000	.000
	Q71	.000	.000	.000		.000	.000
	Q94	.000	.000	.000	.000		.000
	Q117	.480	.000	.000	.000	.000	

a. Determinant = .455

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.714
Bartlett's Test of Sphericity	Approx. Chi-Square	4575.713
	df	15
	Sig.	.000

Anti-image Matrices

		Q2	Q25	Q48	Q71	Q94	Q117
Anti-image Covariance	Q2	.962	-.050	-.090	-.040	-.023	.049
	Q25	-.050	.759	-.274	-.092	-.049	-.079
	Q48	-.090	-.274	.750	-.064	-.095	-.052
	Q71	-.040	-.092	-.064	.725	-.290	-.061
	Q94	-.023	-.049	-.095	-.290	.713	-.124
	Q117	.049	-.079	-.052	-.061	-.124	.904
Anti-image Correlation	Q2	.766[a]	-.059	-.106	-.048	-.028	.053
	Q25	-.059	.713[a]	-.363	-.124	-.066	-.095
	Q48	-.106	-.363	.712[a]	-.086	-.130	-.063
	Q71	-.048	-.124	-.086	.700[a]	-.404	-.076
	Q94	-.028	-.066	-.130	-.404	.692[a]	-.155
	Q117	.053	-.095	-.063	-.076	-.155	.802[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q2	.038	.047
Q25	.241	.421
Q48	.250	.476
Q71	.275	.406
Q94	.287	.593
Q117	.096	.120

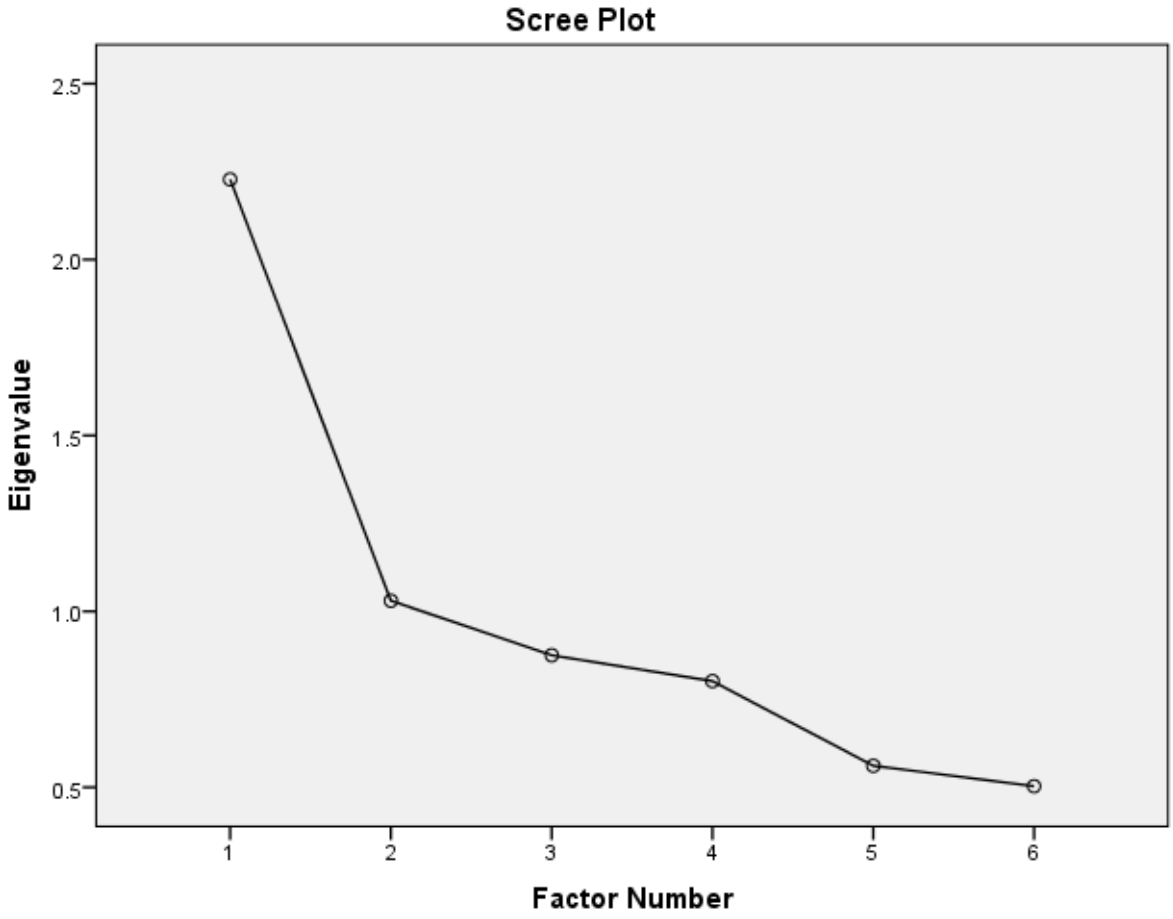
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.228	37.131	37.131	1.664	27.732	27.732	1.478
2	1.030	17.173	54.304	.399	6.642	34.374	1.368
3	.875	14.590	68.894				
4	.802	13.363	82.257				
5	.561	9.356	91.613				
6	.503	8.387	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q2	.191	.103
Q25	.573	.305
Q48	.602	.336
Q71	.600	-.214
Q94	.678	-.364
Q117	.340	-.064

Extraction Method: Principal Axis Factoring.

a. Attempted to extract 2 factors. More than 25 iterations required. (Convergence=.002). Extraction was terminated.

Reproduced Correlations

		Q2	Q25	Q48	Q71	Q94	Q117
Reproduced Correlation	Q2	.047[a]	.141	.150	.093	.093	.059
	Q25	.141	.421[a]	.448	.279	.278	.176
	Q48	.150	.448	.476[a]	.289	.286	.184
	Q71	.093	.279	.289	.406[a]	.485	.218
	Q94	.093	.278	.286	.485	.593[a]	.254
	Q117	.059	.176	.184	.218	.254	.120[a]
Residual[b]	Q2		-.008	.015	.019	.006	-.058
	Q25	-.008		-.003	.007	-.013	.022
	Q48	.015	-.003		-.011	.009	-.002
	Q71	.019	.007	-.011		.001	-.006
	Q94	.006	-.013	.009	.001		.004
	Q117	-.058	.022	-.002	-.006	.004	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 1 (6.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q2	.004	.215
Q25	.013	.641
Q48	-.004	.692
Q71	.610	.041
Q94	.827	-.097
Q117	.282	.092

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 7 iterations.

Structure Matrix

	Factor	
	1	2
Q2	.138	.217
Q25	.413	.649
Q48	.428	.690
Q71	.636	.422
Q94	.766	.418
Q117	.339	.267

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	.623
2	.623	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.8 Dimensionality – Need for change

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q13	Q16	Q34	Q39	Q55	Q62
Correlation	Q13	1.000	.415	.417	.458	.333	.450
	Q16	.415	1.000	.488	.338	.244	.466
	Q34	.417	.488	1.000	.358	.281	.531
	Q39	.458	.338	.358	1.000	.349	.440
	Q55	.333	.244	.281	.349	1.000	.292
	Q62	.450	.466	.531	.440	.292	1.000
Sig. (1-tailed)	Q13		.000	.000	.000	.000	.000
	Q16	.000		.000	.000	.000	.000
	Q34	.000	.000		.000	.000	.000
	Q39	.000	.000	.000		.000	.000
	Q55	.000	.000	.000	.000		.000
	Q62	.000	.000	.000	.000	.000	

a. Determinant = .214

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.843
Bartlett's Test of Sphericity	Approx. Chi-Square	8975.147
	df	15
	Sig.	.000

Anti-image Matrices

		Q13	Q16	Q34	Q39	Q55	Q62
Anti-image Covariance	Q13	.653	-.111	-.080	-.165	-.103	-.096
	Q16	-.111	.670	-.172	-.041	-.023	-.123
	Q34	-.080	-.172	.619	-.037	-.055	-.186
	Q39	-.165	-.041	-.037	.687	-.140	-.128
	Q55	-.103	-.023	-.055	-.140	.823	-.041
	Q62	-.096	-.123	-.186	-.128	-.041	.593
Anti-image Correlation	Q13	.854[a]	-.167	-.126	-.247	-.140	-.154
	Q16	-.167	.850[a]	-.267	-.061	-.032	-.194
	Q34	-.126	-.267	.826[a]	-.057	-.077	-.307
	Q39	-.247	-.061	-.057	.843[a]	-.186	-.201
	Q55	-.140	-.032	-.077	-.186	.876[a]	-.058
	Q62	-.154	-.194	-.307	-.201	-.058	.831[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

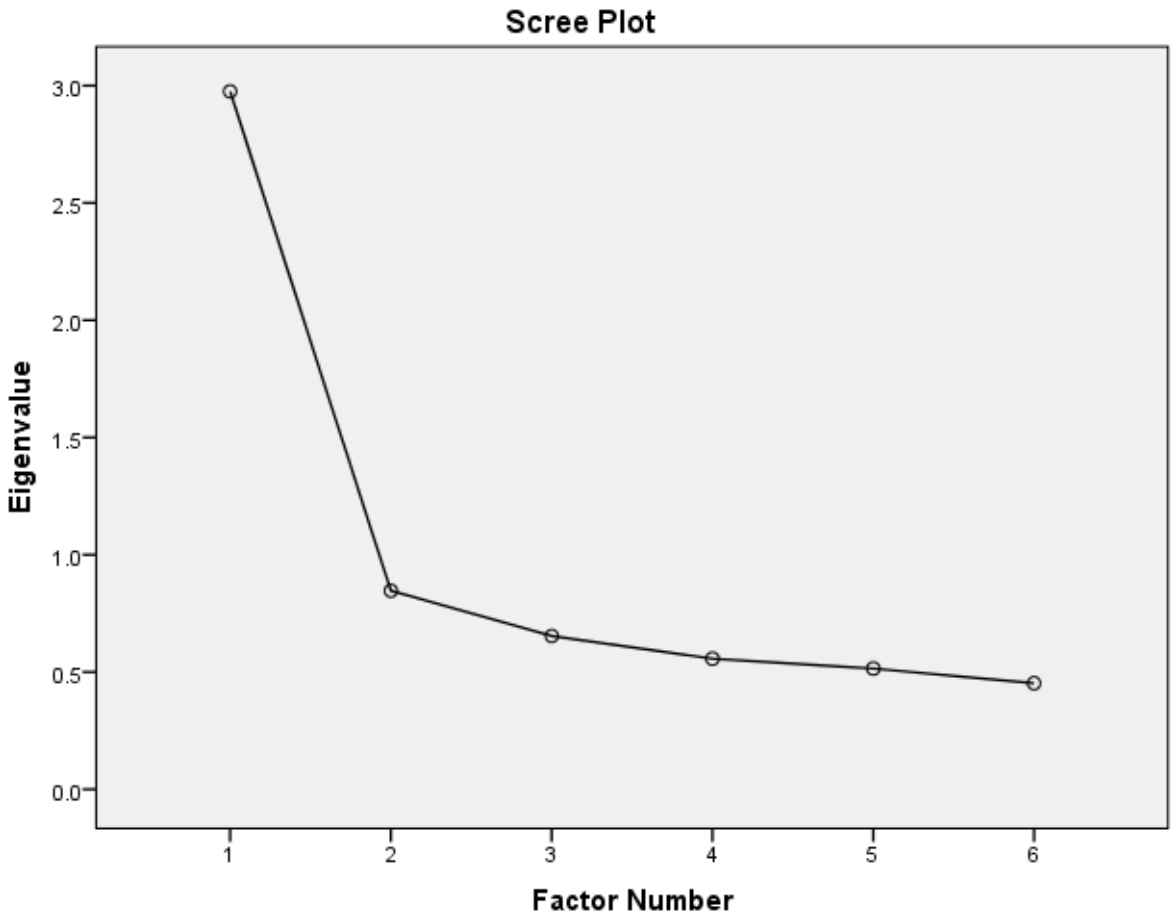
	Initial	Extraction
Q13	.347	.442
Q16	.330	.398
Q34	.381	.461
Q39	.313	.373
Q55	.177	.204
Q62	.407	.520

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.976	49.595	49.595	2.397	39.942	39.942
2	.847	14.110	63.705			
3	.654	10.895	74.600			
4	.557	9.282	83.881			
5	.515	8.582	92.463			
6	.452	7.537	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q13	.665
Q16	.630
Q34	.679
Q39	.611
Q55	.451
Q62	.721

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 5 iterations required.

Reproduced Correlations

		Q13	Q16	Q34	Q39	Q55	Q62
Reproduced Correlation	Q13	.442[a]	.419	.451	.406	.300	.479
	Q16	.419	.398[a]	.428	.385	.285	.455
	Q34	.451	.428	.461[a]	.414	.306	.489
	Q39	.406	.385	.414	.373[a]	.276	.440
	Q55	.300	.285	.306	.276	.204[a]	.326
	Q62	.479	.455	.489	.440	.326	.520[a]
Residual[b]	Q13		-.004	-.034	.052	.033	-.030
	Q16	-.004		.060	-.047	-.040	.011
	Q34	-.034	.060		-.056	-.026	.042
	Q39	.052	-.047	-.056		.073	.000
	Q55	.033	-.040	-.026	.073		-.033
	Q62	-.030	.011	.042	.000	-.033	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 4 (26.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.9 Dimensionality – Need to finish a task

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q4	Q27	Q50	Q73	Q96	Q119
Correlation	Q4	1.000	.223	.196	.289	.199	.253
	Q27	.223	1.000	.481	.497	.467	.495
	Q50	.196	.481	1.000	.459	.473	.491
	Q73	.289	.497	.459	1.000	.517	.555
	Q96	.199	.467	.473	.517	1.000	.499
	Q119	.253	.495	.491	.555	.499	1.000
Sig. (1-tailed)	Q4		.000	.000	.000	.000	.000
	Q27	.000		.000	.000	.000	.000
	Q50	.000	.000		.000	.000	.000
	Q73	.000	.000	.000		.000	.000
	Q96	.000	.000	.000	.000		.000
	Q119	.000	.000	.000	.000	.000	

a. Determinant = .173

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.865
Bartlett's Test of Sphericity	Approx. Chi-Square	10193.488
	df	15
	Sig.	.000

Anti-image Matrices

		Q4	Q27	Q50	Q73	Q96	Q119
Anti-image Covariance	Q4	.900	-.039	-.016	-.103	-.008	-.057
	Q27	-.039	.621	-.136	-.111	-.098	-.108
	Q50	-.016	-.136	.637	-.072	-.122	-.118
	Q73	-.103	-.111	-.072	.561	-.136	-.154
	Q96	-.008	-.098	-.122	-.136	.614	-.108
	Q119	-.057	-.108	-.118	-.154	-.108	.567
Anti-image Correlation	Q4	.899[a]	-.053	-.021	-.145	-.010	-.080
	Q27	-.053	.874[a]	-.216	-.188	-.159	-.181
	Q50	-.021	-.216	.873[a]	-.120	-.194	-.196
	Q73	-.145	-.188	-.120	.849[a]	-.231	-.273
	Q96	-.010	-.159	-.194	-.231	.869[a]	-.183
	Q119	-.080	-.181	-.196	-.273	-.183	.856[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

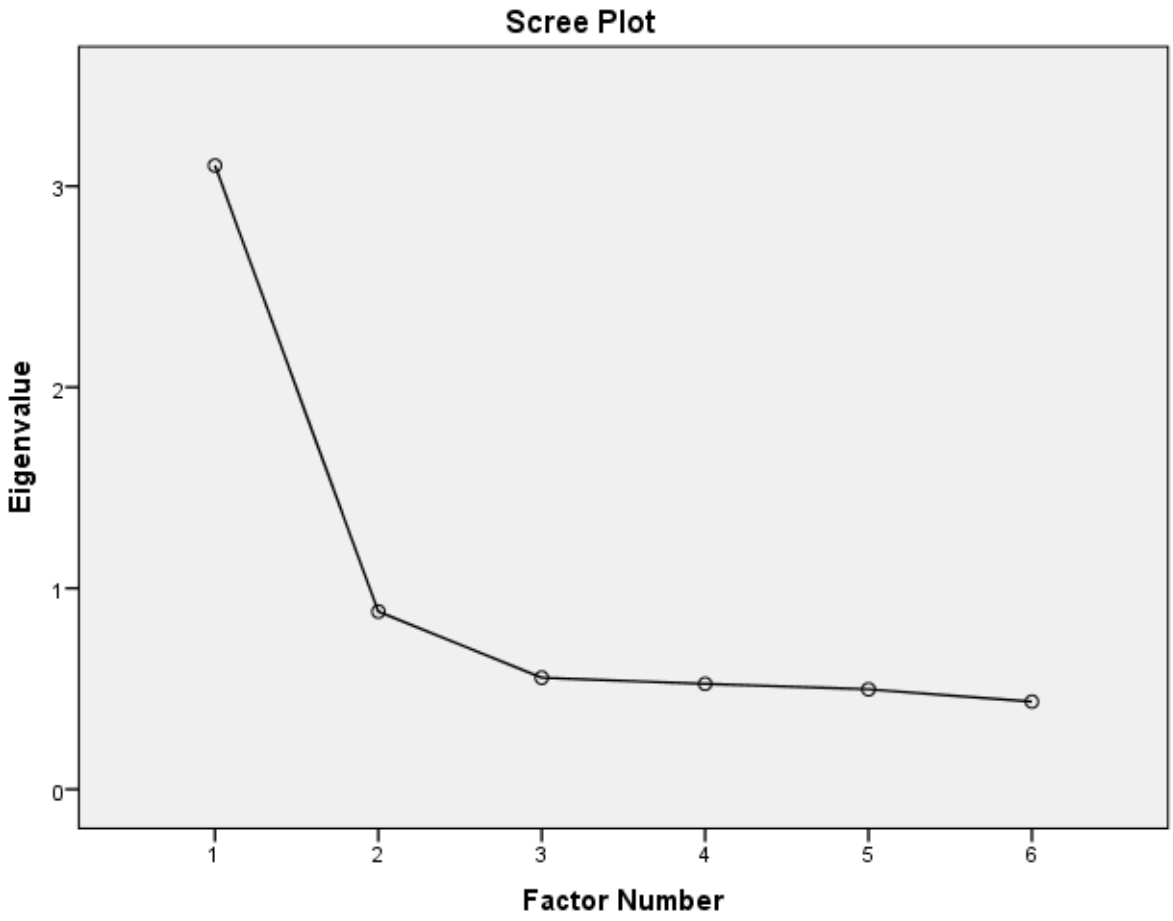
	Initial	Extraction
Q4	.100	.110
Q27	.379	.469
Q50	.363	.441
Q73	.439	.547
Q96	.386	.472
Q119	.433	.542

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.103	51.717	51.717	2.581	43.014	43.014
2	.884	14.734	66.452			
3	.555	9.252	75.704			
4	.525	8.742	84.446			
5	.497	8.291	92.737			
6	.436	7.263	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q4	.332
Q27	.685
Q50	.664
Q73	.739
Q96	.687
Q119	.736

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 5 iterations required.

Reproduced Correlations

		Q4	Q27	Q50	Q73	Q96	Q119
Reproduced Correlation	Q4	.110[a]	.227	.220	.245	.228	.244
	Q27	.227	.469[a]	.455	.506	.471	.504
	Q50	.220	.455	.441[a]	.491	.456	.489
	Q73	.245	.506	.491	.547[a]	.508	.544
	Q96	.228	.471	.456	.508	.472[a]	.506
	Q119	.244	.504	.489	.544	.506	.542[a]
Residual[b]	Q4		-.004	-.024	.044	-.029	.009
	Q27	-.004		.027	-.010	-.004	-.009
	Q50	-.024	.027		-.032	.017	.002
	Q73	.044	-.010	-.032		.008	.010
	Q96	-.029	-.004	.017	.008		-.007
	Q119	.009	-.009	.002	.010	-.007	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.10 Dimensionality – Need to be noticed

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q10	Q33	Q56	Q79	Q102	Q125
Correlation	Q10	1.000	.422	.307	.274	.300	.155
	Q33	.422	1.000	.548	.423	.489	.102
	Q56	.307	.548	1.000	.485	.540	.040
	Q79	.274	.423	.485	1.000	.636	.112
	Q102	.300	.489	.540	.636	1.000	.088
	Q125	.155	.102	.040	.112	.088	1.000
Sig. (1-tailed)	Q10		.000	.000	.000	.000	.000
	Q33	.000		.000	.000	.000	.000
	Q56	.000	.000		.000	.000	.001
	Q79	.000	.000	.000		.000	.000
	Q102	.000	.000	.000	.000		.000
	Q125	.000	.000	.001	.000	.000	

a. Determinant = .201

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.792
Bartlett's Test of Sphericity	Approx. Chi-Square	9332.050
	df	15
	Sig.	.000

Anti-image Matrices

		Q10	Q33	Q56	Q79	Q102	Q125
Anti-image Covariance	Q10	.794	-.189	-.039	-.029	-.032	-.104
	Q33	-.189	.589	-.197	-.040	-.094	-.026
	Q56	-.039	-.197	.582	-.096	-.129	.042
	Q79	-.029	-.040	-.096	.559	-.251	-.047
	Q102	-.032	-.094	-.129	-.251	.504	-.007
	Q125	-.104	-.026	.042	-.047	-.007	.967
Anti-image Correlation	Q10	.824[a]	-.276	-.057	-.044	-.051	-.119
	Q33	-.276	.801[a]	-.336	-.069	-.173	-.035
	Q56	-.057	-.336	.818[a]	-.169	-.238	.057
	Q79	-.044	-.069	-.169	.775[a]	-.473	-.064
	Q102	-.051	-.173	-.238	-.473	.768[a]	-.009
	Q125	-.119	-.035	.057	-.064	-.009	.711[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q10	.206	.270
Q33	.411	.680
Q56	.418	.481
Q79	.441	.574
Q102	.496	.704
Q125	.033	.023

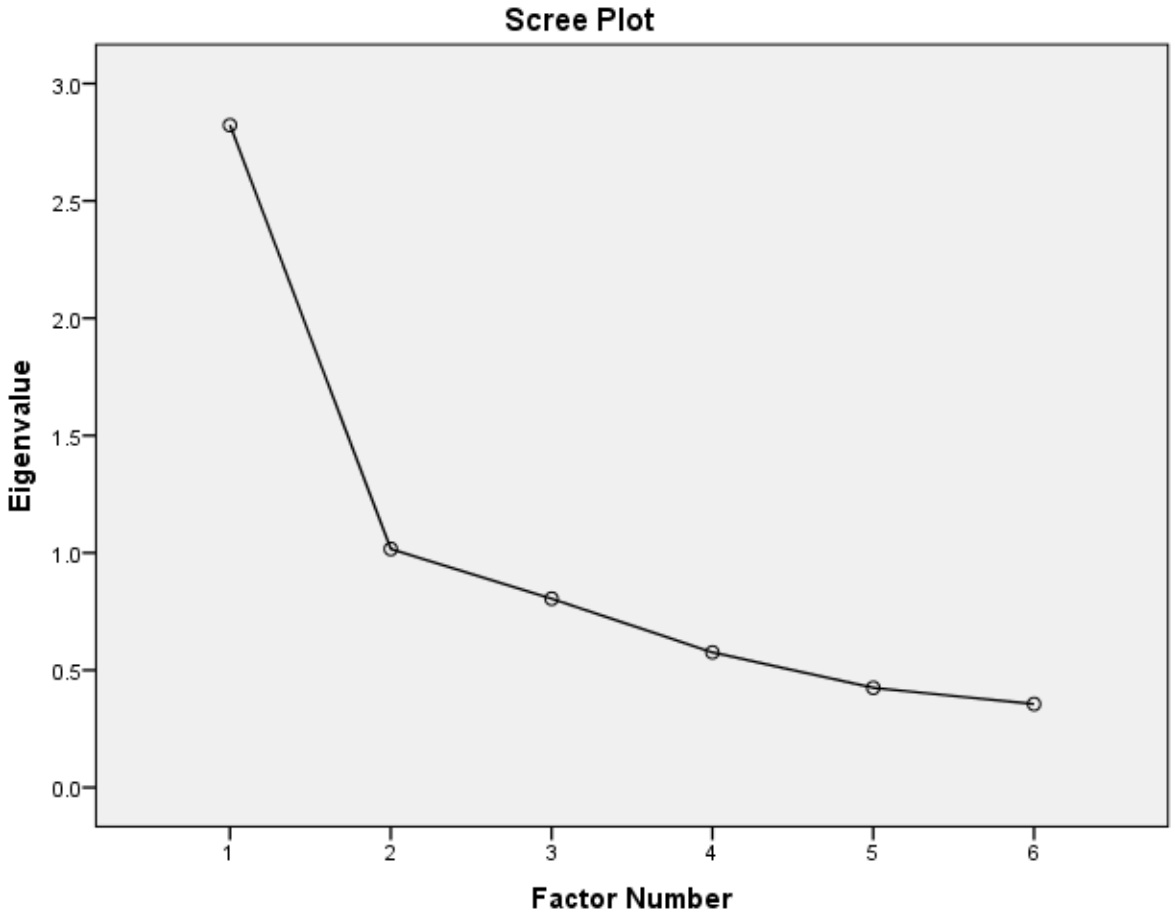
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.823	47.046	47.046	2.396	39.931	39.931	1.996
2	1.016	16.940	63.986	.336	5.595	45.526	2.175
3	.804	13.408	77.394				
4	.576	9.598	86.992				
5	.425	7.081	94.073				
6	.356	5.927	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q10	.461	.239
Q33	.743	.358
Q56	.693	.029
Q79	.711	-.262
Q102	.792	-.277
Q125	.136	.066

Extraction Method: Principal Axis Factoring.

a. Attempted to extract 2 factors. More than 25 iterations required. (Convergence=.002). Extraction was terminated.

Reproduced Correlations

		Q10	Q33	Q56	Q79	Q102	Q125
Reproduced Correlation	Q10	.270[a]	.428	.327	.265	.299	.079
	Q33	.428	.680[a]	.525	.434	.489	.125
	Q56	.327	.525	.481[a]	.485	.541	.096
	Q79	.265	.434	.485	.574[a]	.635	.080
	Q102	.299	.489	.541	.635	.704[a]	.090
	Q125	.079	.125	.096	.080	.090	.023[a]
Residual[b]	Q10		-.006	-.019	.008	.001	.076
	Q33	-.006		.023	-.012	.000	-.023
	Q56	-.019	.023		.000	-.001	-.057
	Q79	.008	-.012	.000		.000	.032
	Q102	.001	.000	-.001	.000		-.001
	Q125	.076	-.023	-.057	.032	-.001	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 2 (13.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q10	.530	.016
Q33	.819	-.008
Q56	.359	-.392
Q79	-.021	-.772
Q102	-.003	-.841
Q125	.151	-.001

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 7 iterations.

Structure Matrix

	Factor	
	1	2
Q10	.519	-.357
Q33	.825	-.585
Q56	.635	-.645
Q79	.523	-.757
Q102	.589	-.839
Q125	.152	-.107

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	-.704
2	-.704	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.11 Dimensionality – Need to belong to groups

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q9	Q12	Q35	Q58	Q81	Q104
Correlation	Q9	1.000	.242	.188	.158	.238	.250
	Q12	.242	1.000	.398	.348	.473	.497
	Q35	.188	.398	1.000	.328	.482	.486
	Q58	.158	.348	.328	1.000	.499	.487
	Q81	.238	.473	.482	.499	1.000	.692
	Q104	.250	.497	.486	.487	.692	1.000
Sig. (1-tailed)	Q9		.000	.000	.000	.000	.000
	Q12	.000		.000	.000	.000	.000
	Q35	.000	.000		.000	.000	.000
	Q58	.000	.000	.000		.000	.000
	Q81	.000	.000	.000	.000		.000
	Q104	.000	.000	.000	.000	.000	

a. Determinant = .170

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.841
Bartlett's Test of Sphericity	Approx. Chi-Square	10295.004
	df	15
	Sig.	.000

Anti-image Matrices

		Q9	Q12	Q35	Q58	Q81	Q104
Anti-image Covariance	Q9	.913	-.091	-.031	-.005	-.035	-.047
	Q12	-.091	.687	-.109	-.057	-.076	-.108
	Q35	-.031	-.109	.700	-.035	-.101	-.099
	Q58	-.005	-.057	-.035	.705	-.125	-.103
	Q81	-.035	-.076	-.101	-.125	.455	-.211
	Q104	-.047	-.108	-.099	-.103	-.211	.448
Anti-image Correlation	Q9	.911[a]	-.115	-.039	-.006	-.055	-.074
	Q12	-.115	.889[a]	-.157	-.081	-.135	-.196
	Q35	-.039	-.157	.893[a]	-.049	-.179	-.177
	Q58	-.006	-.081	-.049	.890[a]	-.221	-.183
	Q81	-.055	-.135	-.179	-.221	.795[a]	-.468
	Q104	-.074	-.196	-.177	-.183	-.468	.794[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

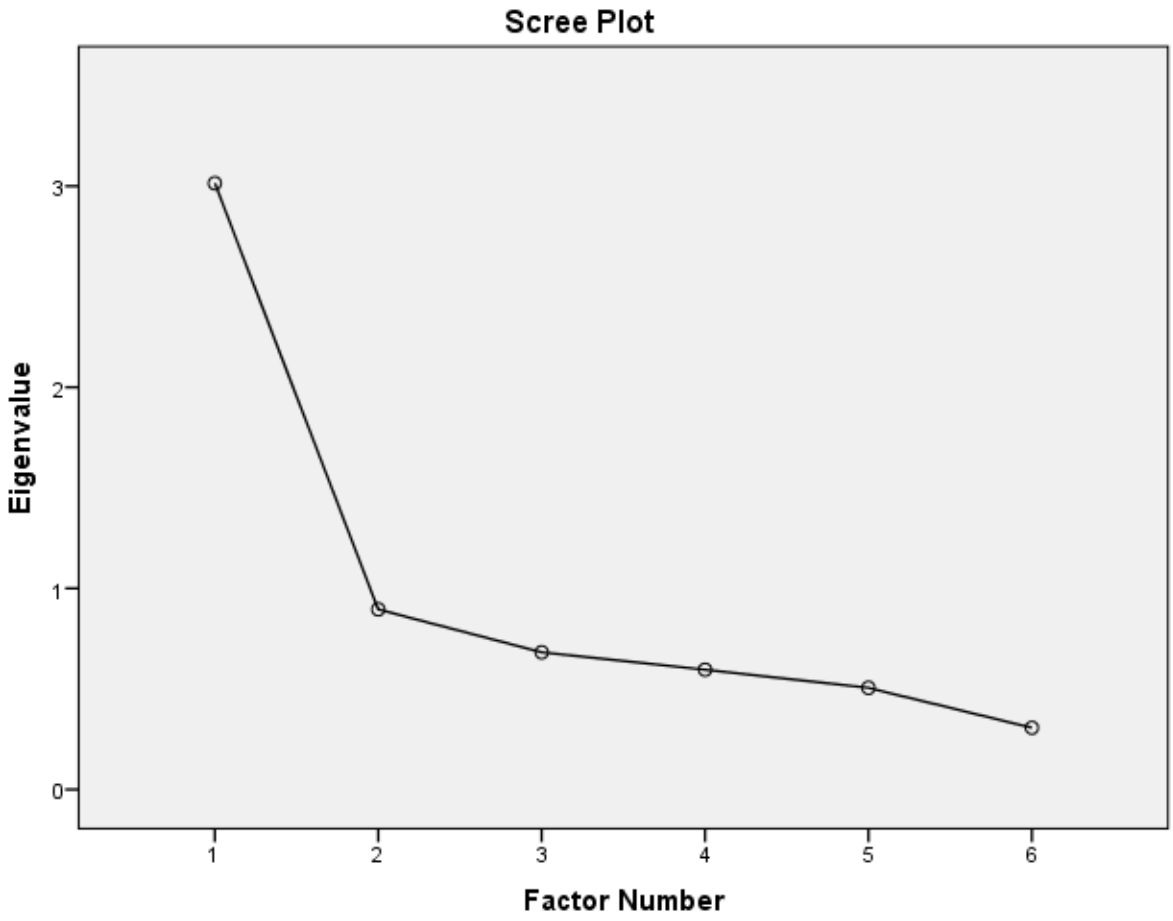
	Initial	Extraction
Q9	.087	.097
Q12	.313	.375
Q35	.300	.355
Q58	.295	.338
Q81	.545	.668
Q104	.552	.687

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.014	50.237	50.237	2.520	42.003	42.003
2	.896	14.930	65.166			
3	.682	11.368	76.534			
4	.596	9.927	86.461			
5	.505	8.422	94.884			
6	.307	5.116	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q9	.311
Q12	.612
Q35	.596
Q58	.581
Q81	.817
Q104	.829

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q9	Q12	Q35	Q58	Q81	Q104
Reproduced Correlation	Q9	.097[a]	.191	.186	.181	.254	.258
	Q12	.191	.375[a]	.365	.356	.500	.507
	Q35	.186	.365	.355[a]	.347	.487	.494
	Q58	.181	.356	.347	.338[a]	.475	.482
	Q81	.254	.500	.487	.475	.668[a]	.678
	Q104	.258	.507	.494	.482	.678	.687[a]
Residual[b]	Q9		.051	.003	-.023	-.016	-.008
	Q12	.051		.034	-.008	-.028	-.011
	Q35	.003	.034		-.019	-.005	-.008
	Q58	-.023	-.008	-.019		.023	.005
	Q81	-.016	-.028	-.005	.023		.014
	Q104	-.008	-.011	-.008	.005	.014	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 1 (6.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.12 Dimensionality – Social harmoniser

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q23	Q46	Q69	Q92	Q115	Q116
Correlation	Q23	1.000	-.075	-.039	-.060	.006	-.045
	Q46	-.075	1.000	.204	.262	.303	.494
	Q69	-.039	.204	1.000	.382	.383	.277
	Q92	-.060	.262	.382	1.000	.481	.342
	Q115	.006	.303	.383	.481	1.000	.477
	Q116	-.045	.494	.277	.342	.477	1.000
Sig. (1-tailed)	Q23		.000	.001	.000	.310	.000
	Q46	.000		.000	.000	.000	.000
	Q69	.001	.000		.000	.000	.000
	Q92	.000	.000	.000		.000	.000
	Q115	.310	.000	.000	.000		.000
	Q116	.000	.000	.000	.000	.000	

a. Determinant = .340

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.747
Bartlett's Test of Sphericity	Approx. Chi-Square	6263.125
	df	15
	Sig.	.000

Anti-image Matrices

		Q23	Q46	Q69	Q92	Q115	Q116
Anti-image Covariance	Q23	.989	.049	.020	.044	-.048	.012
	Q46	.049	.741	-.029	-.053	-.029	-.273
	Q69	.020	-.029	.795	-.169	-.141	-.043
	Q92	.044	-.053	-.169	.706	-.212	-.053
	Q115	-.048	-.029	-.141	-.212	.628	-.194
	Q116	.012	-.273	-.043	-.053	-.194	.629
Anti-image Correlation	Q23	.548[a]	.058	.023	.053	-.060	.015
	Q46	.058	.724[a]	-.037	-.073	-.042	-.400
	Q69	.023	-.037	.811[a]	-.226	-.199	-.061
	Q92	.053	-.073	-.226	.772[a]	-.318	-.080
	Q115	-.060	-.042	-.199	-.318	.743[a]	-.309
	Q116	.015	-.400	-.061	-.080	-.309	.715[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q23	.011	.005
Q46	.259	.357
Q69	.205	.305
Q92	.294	.476
Q115	.372	.509
Q116	.371	.681

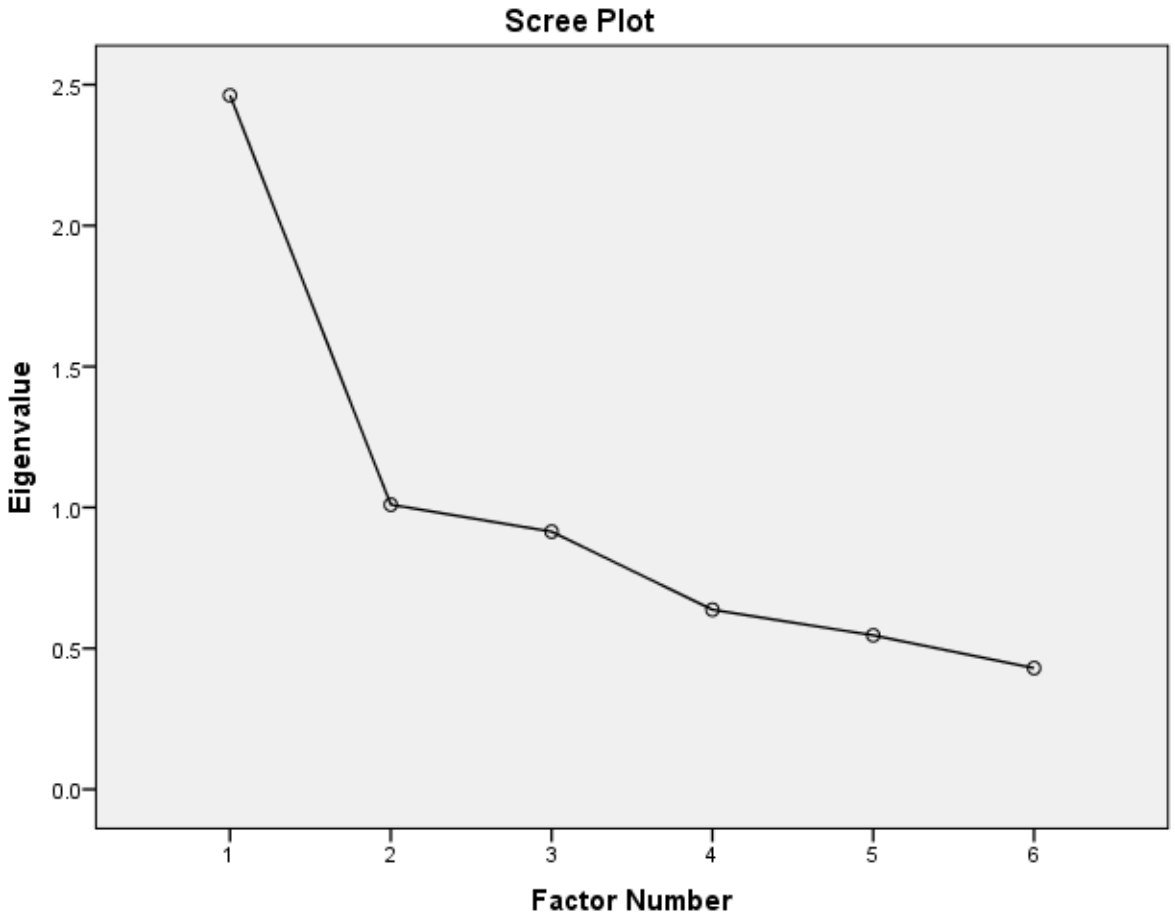
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.462	41.034	41.034	1.954	32.564	32.564	1.953
2	1.010	16.830	57.864	.379	6.311	38.875	.379
3	.914	15.238	73.102				
4	.637	10.623	83.725				
5	.546	9.106	92.831				
6	.430	7.169	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q23	-.064	.028
Q46	.531	-.275
Q69	.497	.239
Q92	.623	.297
Q115	.695	.161
Q116	.742	-.362

Extraction Method: Principal Axis Factoring.

a. Attempted to extract 2 factors. More than 25 iterations required. (Convergence=.004). Extraction was terminated.

Reproduced Correlations

		Q23	Q46	Q69	Q92	Q115	Q116
Reproduced Correlation	Q23	.005[a]	-.042	-.025	-.031	-.040	-.058
	Q46	-.042	.357[a]	.198	.249	.325	.493
	Q69	-.025	.198	.305[a]	.381	.384	.282
	Q92	-.031	.249	.381	.476[a]	.481	.354
	Q115	-.040	.325	.384	.481	.509[a]	.457
	Q116	-.058	.493	.282	.354	.457	.681[a]
Residual[b]	Q23		-.033	-.014	-.028	.046	.013
	Q46	-.033		.006	.013	-.022	.001
	Q69	-.014	.006		.001	-.001	-.005
	Q92	-.028	.013	.001		5.460E-005	-.012
	Q115	.046	-.022	-.001	5.460E-005		.020
	Q116	.013	.001	-.005	-.012	.020	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q23	-.064	.027
Q46	.534	-.262
Q69	.495	.251
Q92	.619	.312
Q115	.693	.177
Q116	.745	-.344

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 2 iterations.

Structure Matrix

	Factor	
	1	2
Q23	-.065	.028
Q46	.537	-.269
Q69	.492	.245
Q92	.615	.304
Q115	.691	.168
Q116	.750	-.354

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	-.013
2	-.013	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.13 Dimensionality – Need to relate closely to individuals

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q11	Q14	Q32	Q37	Q60	Q83
Correlation	Q11	1.000	.606	.081	.433	.319	.222
	Q14	.606	1.000	.114	.478	.390	.238
	Q32	.081	.114	1.000	.098	.051	.053
	Q37	.433	.478	.098	1.000	.407	.258
	Q60	.319	.390	.051	.407	1.000	.229
	Q83	.222	.238	.053	.258	.229	1.000
Sig. (1-tailed)	Q11		.000	.000	.000	.000	.000
	Q14	.000		.000	.000	.000	.000
	Q32	.000	.000		.000	.000	.000
	Q37	.000	.000	.000		.000	.000
	Q60	.000	.000	.000	.000		.000
	Q83	.000	.000	.000	.000	.000	

a. Determinant = .324

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.769
Bartlett's Test of Sphericity	Approx. Chi-Square	6543.942
	df	15
	Sig.	.000

Anti-image Matrices

		Q11	Q14	Q32	Q37	Q60	Q83
Anti-image Covariance	Q11	.602	-.274	-.003	-.111	-.036	-.045
	Q14	-.274	.552	-.046	-.138	-.115	-.044
	Q32	-.003	-.046	.984	-.037	.008	-.019
	Q37	-.111	-.138	-.037	.679	-.174	-.094
	Q60	-.036	-.115	.008	-.174	.773	-.091
	Q83	-.045	-.044	-.019	-.094	-.091	.901
Anti-image Correlation	Q11	.730[a]	-.476	-.004	-.174	-.053	-.061
	Q14	-.476	.721[a]	-.063	-.225	-.176	-.062
	Q32	-.004	-.063	.842[a]	-.045	.009	-.020
	Q37	-.174	-.225	-.045	.810[a]	-.240	-.120
	Q60	-.053	-.176	.009	-.240	.821[a]	-.109
	Q83	-.061	-.062	-.020	-.120	-.109	.870[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

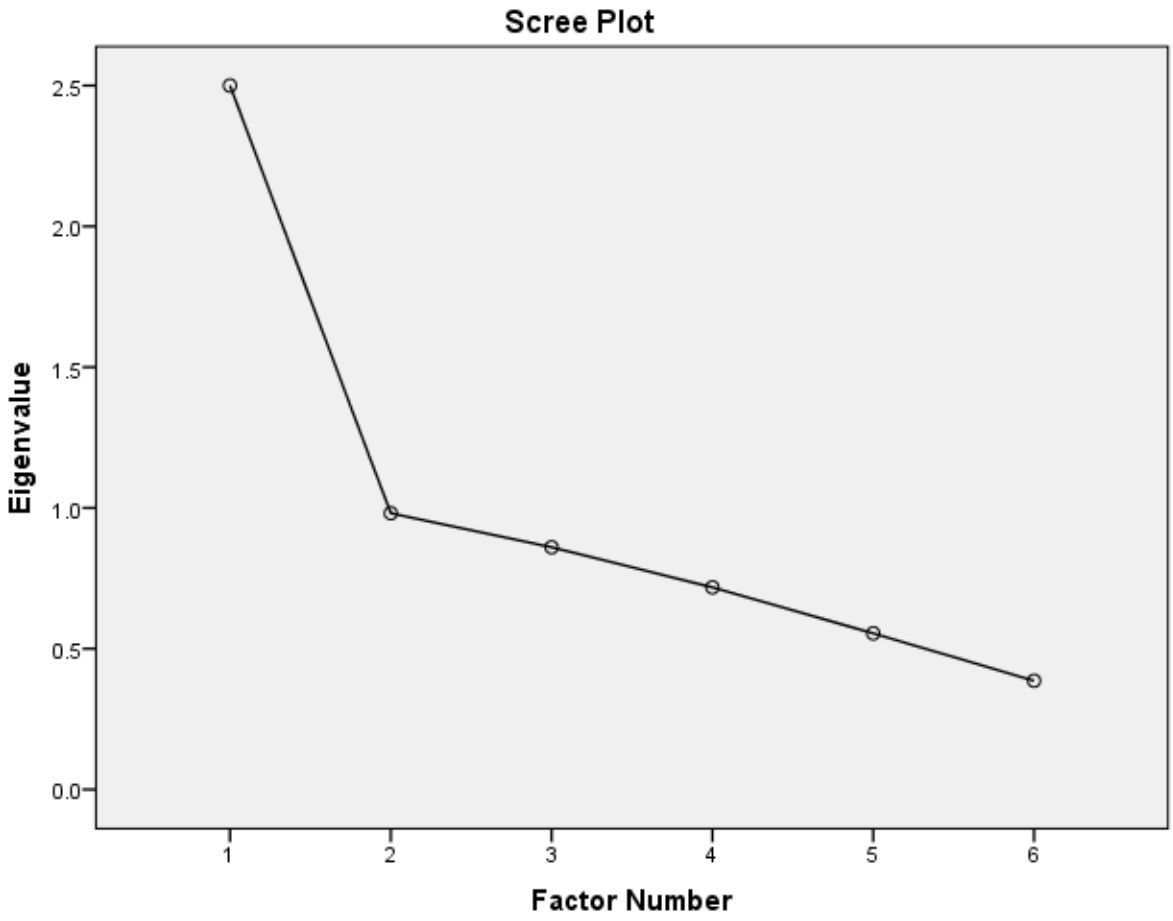
	Initial	Extraction
Q11	.398	.483
Q14	.448	.606
Q32	.016	.018
Q37	.321	.432
Q60	.227	.281
Q83	.099	.123

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.500	41.666	41.666	1.942	32.363	32.363
2	.981	16.352	58.019			
3	.860	14.338	72.357			
4	.718	11.964	84.321			
5	.554	9.242	93.562			
6	.386	6.438	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q11	.695
Q14	.778
Q32	.133
Q37	.657
Q60	.530
Q83	.350

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 8 iterations required.

Reproduced Correlations

		Q11	Q14	Q32	Q37	Q60	Q83
Reproduced Correlation	Q11	.483[a]	.541	.092	.457	.368	.243
	Q14	.541	.606[a]	.103	.512	.412	.273
	Q32	.092	.103	.018[a]	.087	.070	.046
	Q37	.457	.512	.087	.432[a]	.348	.230
	Q60	.368	.412	.070	.348	.281[a]	.186
	Q83	.243	.273	.046	.230	.186	.123[a]
Residual[b]	Q11		.065	-.011	-.023	-.049	-.022
	Q14	.065		.011	-.034	-.022	-.034
	Q32	-.011	.011		.011	-.019	.007
	Q37	-.023	-.034	.011		.059	.027
	Q60	-.049	-.022	-.019	.059		.044
	Q83	-.022	-.034	.007	.027	.044	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 2 (13.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.14 Dimensionality – Ease in decision making

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q47	Q68	Q86	Q89	Q109	Q110
Correlation	Q47	1.000	.317	.187	.606	.490	.567
	Q68	.317	1.000	.123	.365	.252	.305
	Q86	.187	.123	1.000	.222	.162	.200
	Q89	.606	.365	.222	1.000	.535	.656
	Q109	.490	.252	.162	.535	1.000	.702
	Q110	.567	.305	.200	.656	.702	1.000
Sig. (1-tailed)	Q47		.000	.000	.000	.000	.000
	Q68	.000		.000	.000	.000	.000
	Q86	.000	.000		.000	.000	.000
	Q89	.000	.000	.000		.000	.000
	Q109	.000	.000	.000	.000		.000
	Q110	.000	.000	.000	.000	.000	

a. Determinant = .130

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.819
Bartlett's Test of Sphericity	Approx. Chi-Square	11848.914
	df	15
	Sig.	.000

Anti-image Matrices

		Q47	Q68	Q86	Q89	Q109	Q110
Anti-image Covariance	Q47	.567	-.072	-.032	-.171	-.059	-.080
	Q68	-.072	.848	-.031	-.108	-.008	-.025
	Q86	-.032	-.031	.942	-.058	-.005	-.026
	Q89	-.171	-.108	-.058	.467	-.039	-.144
	Q109	-.059	-.008	-.005	-.039	.491	-.224
	Q110	-.080	-.025	-.026	-.144	-.224	.382
Anti-image Correlation	Q47	.866[a]	-.103	-.044	-.332	-.111	-.173
	Q68	-.103	.904[a]	-.035	-.171	-.012	-.043
	Q86	-.044	-.035	.929[a]	-.087	-.008	-.043
	Q89	-.332	-.171	-.087	.824[a]	-.082	-.342
	Q109	-.111	-.012	-.008	-.082	.795[a]	-.516
	Q110	-.173	-.043	-.043	-.342	-.516	.768[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

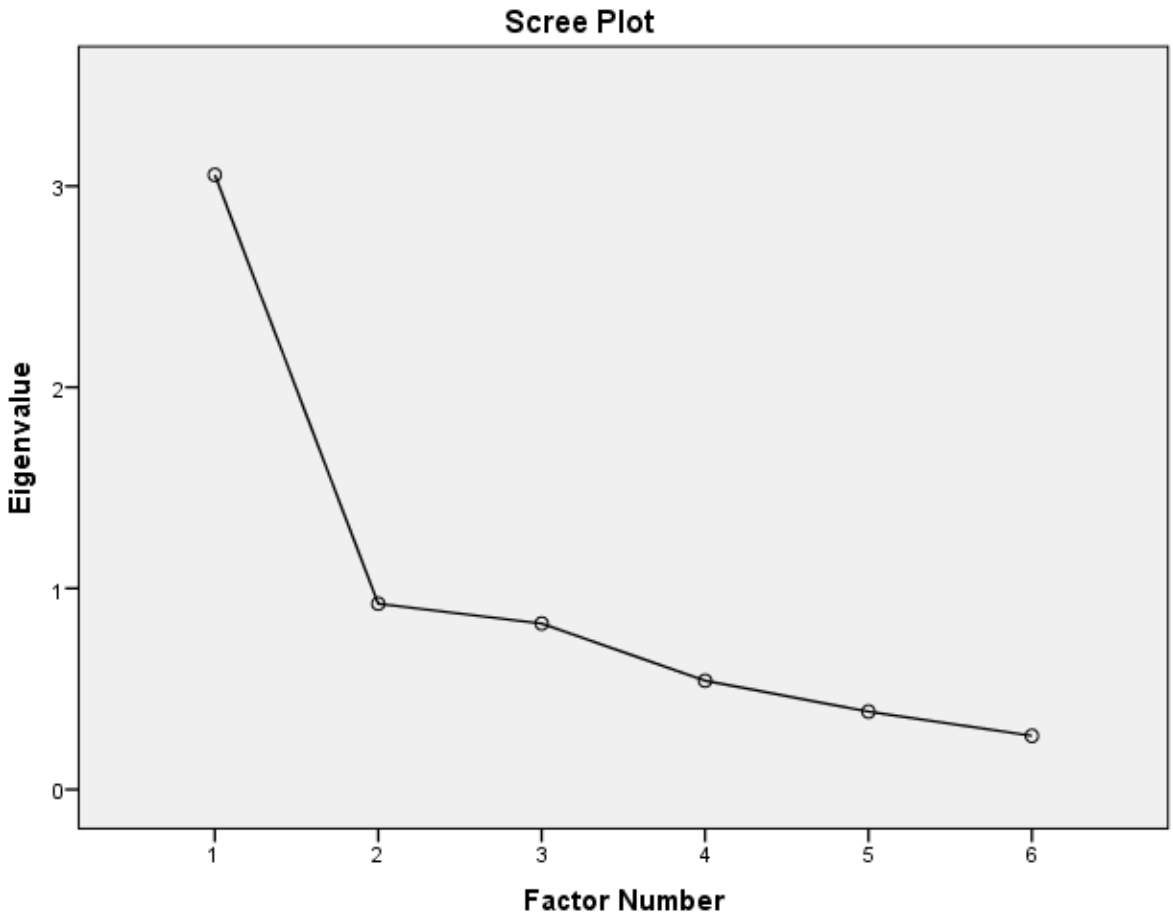
	Initial	Extraction
Q47	.433	.502
Q68	.152	.163
Q86	.058	.064
Q89	.533	.637
Q109	.509	.525
Q110	.618	.722

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.056	50.934	50.934	2.614	43.559	43.559
2	.924	15.394	66.329			
3	.825	13.753	80.081			
4	.541	9.014	89.095			
5	.387	6.456	95.551			
6	.267	4.449	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q47	.708
Q68	.404
Q86	.254
Q89	.798
Q109	.725
Q110	.850

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q47	Q68	Q86	Q89	Q109	Q110
Reproduced Correlation	Q47	.502[a]	.286	.180	.566	.513	.602
	Q68	.286	.163[a]	.102	.322	.292	.343
	Q86	.180	.102	.064[a]	.202	.184	.215
	Q89	.566	.322	.202	.637[a]	.579	.678
	Q109	.513	.292	.184	.579	.525[a]	.616
	Q110	.602	.343	.215	.678	.616	.722[a]
Residual[b]	Q47		.031	.007	.041	-.024	-.035
	Q68	.031		.021	.043	-.041	-.038
	Q86	.007	.021		.019	-.022	-.015
	Q89	.041	.043	.019		-.044	-.023
	Q109	-.024	-.041	-.022	-.044		.086
	Q110	-.035	-.038	-.015	-.023	.086	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 1 (6.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.15 Dimensionality – Work Pace

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q65	Q70	Q88	Q91	Q111	Q112
Correlation	Q65	1.000	.312	.381	.435	.287	.265
	Q70	.312	1.000	.498	.532	.462	.414
	Q88	.381	.498	1.000	.656	.517	.483
	Q91	.435	.532	.656	1.000	.600	.548
	Q111	.287	.462	.517	.600	1.000	.764
	Q112	.265	.414	.483	.548	.764	1.000
Sig. (1-tailed)	Q65		.000	.000	.000	.000	.000
	Q70	.000		.000	.000	.000	.000
	Q88	.000	.000		.000	.000	.000
	Q91	.000	.000	.000		.000	.000
	Q111	.000	.000	.000	.000		.000
	Q112	.000	.000	.000	.000	.000	

a. Determinant = .073

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.828
Bartlett's Test of Sphericity	Approx. Chi-Square	15233.937
	df	15
	Sig.	.000

Anti-image Matrices

		Q65	Q70	Q88	Q91	Q111	Q112
Anti-image Covariance	Q65	.790	-.055	-.076	-.126	.002	.000
	Q70	-.055	.654	-.106	-.108	-.055	-.016
	Q88	-.076	-.106	.514	-.180	-.035	-.034
	Q91	-.126	-.108	-.180	.426	-.079	-.040
	Q111	.002	-.055	-.035	-.079	.360	-.239
	Q112	.000	-.016	-.034	-.040	-.239	.400
Anti-image Correlation	Q65	.896[a]	-.076	-.120	-.218	.005	-.001
	Q70	-.076	.914[a]	-.184	-.204	-.114	-.032
	Q88	-.120	-.184	.864[a]	-.385	-.081	-.074
	Q91	-.218	-.204	-.385	.845[a]	-.201	-.098
	Q111	.005	-.114	-.081	-.201	.768[a]	-.628
	Q112	-.001	-.032	-.074	-.098	-.628	.768[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

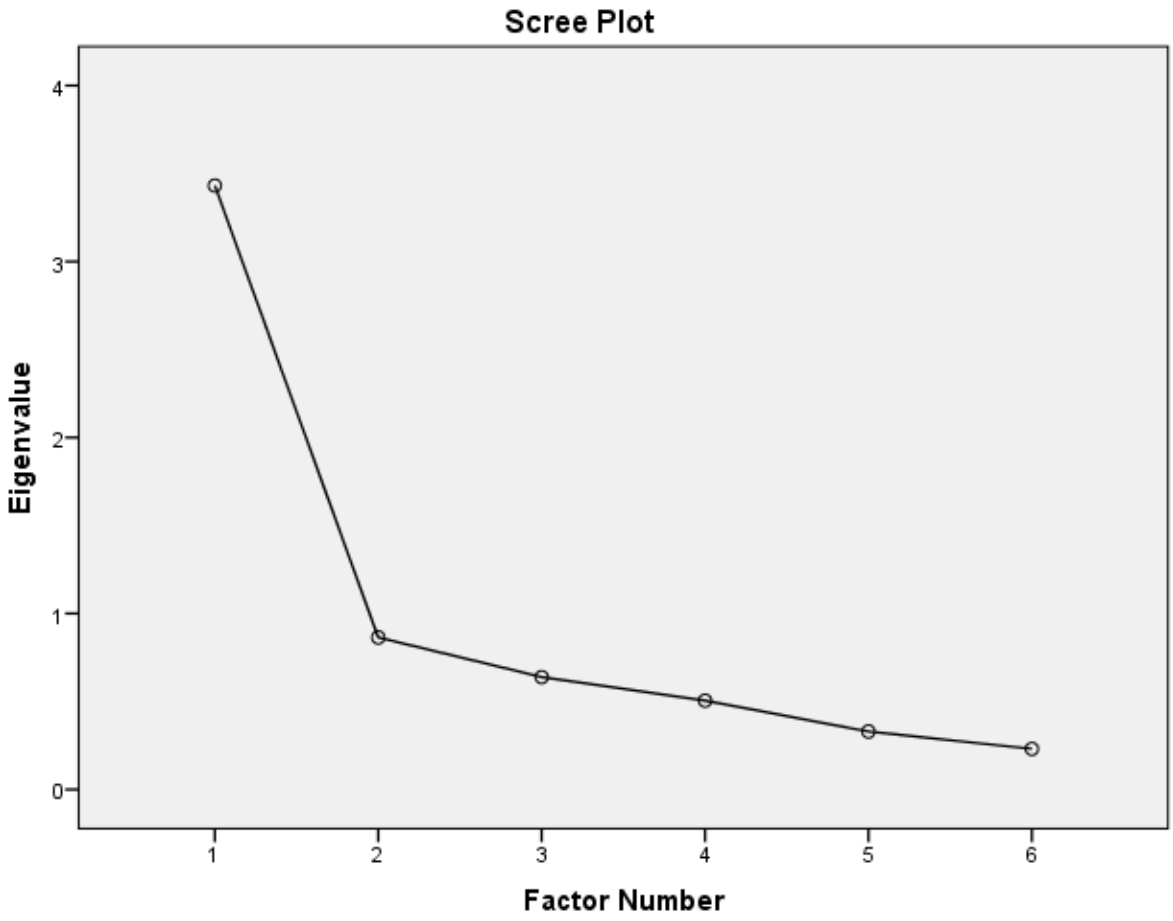
	Initial	Extraction
Q65	.210	.205
Q70	.346	.390
Q88	.486	.538
Q91	.574	.674
Q111	.640	.623
Q112	.600	.540

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.432	57.197	57.197	2.971	49.511	49.511
2	.864	14.404	71.602			
3	.639	10.646	82.247			
4	.505	8.414	90.661			
5	.329	5.489	96.150			
6	.231	3.850	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q65	.453
Q70	.625
Q88	.734
Q91	.821
Q111	.789
Q112	.735

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q65	Q70	Q88	Q91	Q111	Q112
Reproduced Correlation	Q65	.205[a]	.283	.333	.372	.358	.333
	Q70	.283	.390[a]	.458	.513	.493	.459
	Q88	.333	.458	.538[a]	.602	.579	.539
	Q91	.372	.513	.602	.674[a]	.648	.603
	Q111	.358	.493	.579	.648	.623[a]	.580
	Q112	.333	.459	.539	.603	.580	.540[a]
Residual[b]	Q65		.029	.049	.063	-.070	-.068
	Q70	.029		.039	.019	-.031	-.045
	Q88	.049	.039		.053	-.062	-.056
	Q91	.063	.019	.053		-.048	-.055
	Q111	-.070	-.031	-.062	-.048		.185
	Q112	-.068	-.045	-.056	-.055	.185	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 8 (53.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.16 Dimensionality – Need to be forceful

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q15	Q18	Q36	Q41	Q57	Q78
Correlation	Q15	1.000	.319	.069	.197	.143	.163
	Q18	.319	1.000	.060	.216	.220	.041
	Q36	.069	.060	1.000	.056	.116	-.041
	Q41	.197	.216	.056	1.000	.157	.059
	Q57	.143	.220	.116	.157	1.000	.055
	Q78	.163	.041	-.041	.059	.055	1.000
Sig. (1-tailed)	Q15		.000	.000	.000	.000	.000
	Q18	.000		.000	.000	.000	.001
	Q36	.000	.000		.000	.000	.001
	Q41	.000	.000	.000		.000	.000
	Q57	.000	.000	.000	.000		.000
	Q78	.000	.001	.001	.000	.000	

a. Determinant = .747

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.639
Bartlett's Test of Sphericity	Approx. Chi-Square	1692.168
	df	15
	Sig.	.000

Anti-image Matrices

		Q15	Q18	Q36	Q41	Q57	Q78
Anti-image Covariance	Q15	.856	-.232	-.045	-.110	-.047	-.139
	Q18	-.232	.849	-.014	-.127	-.147	.019
	Q36	-.045	-.014	.979	-.027	-.096	.056
	Q41	-.110	-.127	-.027	.923	-.093	-.027
	Q57	-.047	-.147	-.096	-.093	.925	-.036
	Q78	-.139	.019	.056	-.027	-.036	.968
Anti-image Correlation	Q15	.620[a]	-.272	-.049	-.124	-.053	-.153
	Q18	-.272	.622[a]	-.016	-.144	-.166	.021
	Q36	-.049	-.016	.613[a]	-.028	-.100	.057
	Q41	-.124	-.144	-.028	.710[a]	-.100	-.028
	Q57	-.053	-.166	-.100	-.100	.679[a]	-.038
	Q78	-.153	.021	.057	-.028	-.038	.554[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q15	.144	.420
Q18	.151	.301
Q36	.021	.054
Q41	.077	.144
Q57	.075	.193
Q78	.032	.072

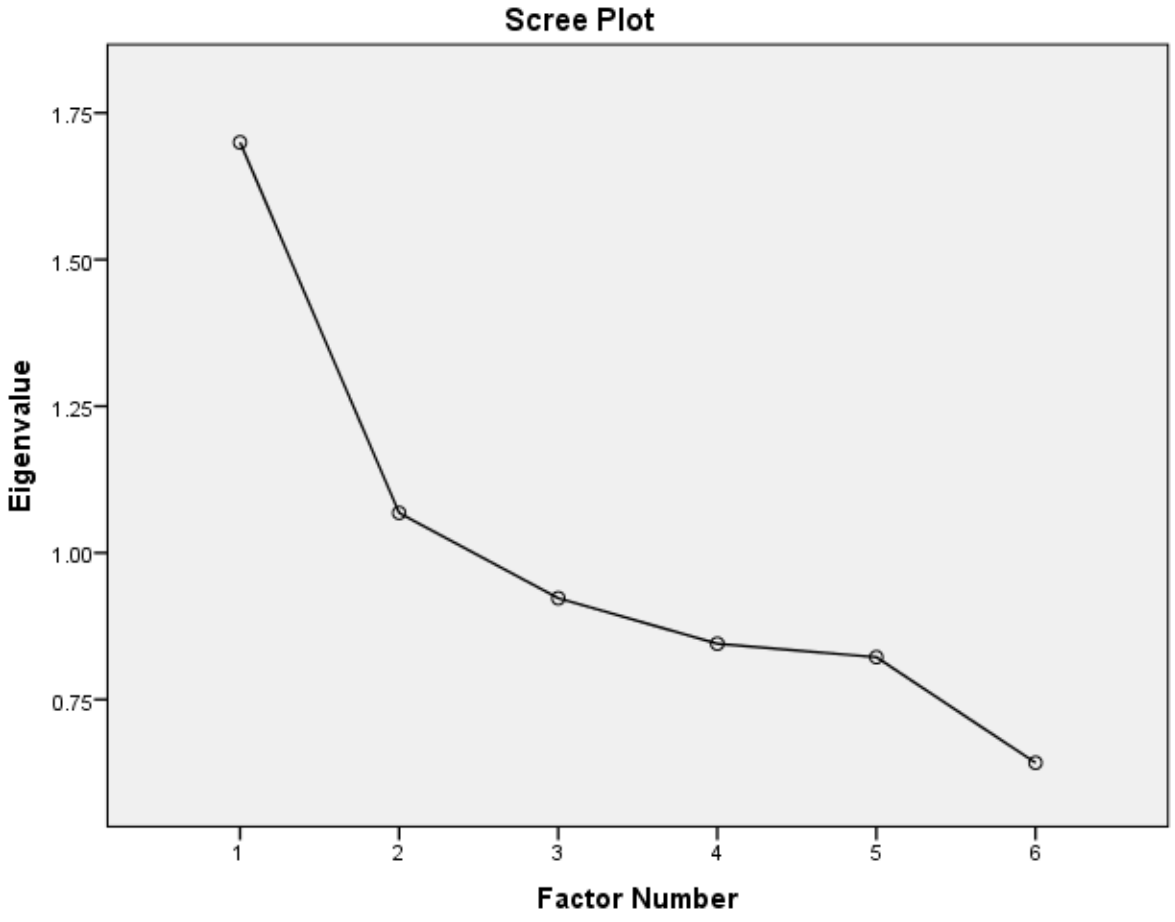
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	1.700	28.329	28.329	.980	16.327	16.327	.734
2	1.068	17.802	46.131	.204	3.406	19.733	.652
3	.923	15.378	61.509				
4	.845	14.085	75.595				
5	.822	13.702	89.297				
6	.642	10.703	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q15	.600	-.245
Q18	.543	.078
Q36	.141	.185
Q41	.373	.069
Q57	.368	.239
Q78	.173	-.205

Extraction Method: Principal Axis Factoring.

a. Attempted to extract 2 factors. More than 25 iterations required. (Convergence=.003). Extraction was terminated.

Reproduced Correlations

		Q15	Q18	Q36	Q41	Q57	Q78
Reproduced Correlation	Q15	.420[a]	.307	.039	.207	.162	.154
	Q18	.307	.301[a]	.091	.208	.219	.078
	Q36	.039	.091	.054[a]	.065	.096	-.014
	Q41	.207	.208	.065	.144[a]	.154	.050
	Q57	.162	.219	.096	.154	.193[a]	.015
	Q78	.154	.078	-.014	.050	.015	.072[a]
Residual[b]	Q15		.012	.030	-.009	-.019	.009
	Q18	.012		-.031	.008	.002	-.037
	Q36	.030	-.031		-.009	.020	-.027
	Q41	-.009	.008	-.009		.003	.009
	Q57	-.019	.002	.020	.003		.041
	Q78	.009	-.037	-.027	.009	.041	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q15	.211	-.560
Q18	.427	-.250
Q36	.241	.076
Q41	.305	-.158
Q57	.436	-.010
Q78	-.045	-.276

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 11 iterations.

Structure Matrix

	Factor	
	1	2
Q15	.358	-.616
Q18	.493	-.362
Q36	.221	.013
Q41	.347	-.238
Q57	.439	-.125
Q78	.027	-.264

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	-.262
2	-.262	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.17 Dimensionality – Emotional restraint

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q7	Q30	Q53	Q76	Q99	Q122
Correlation	Q7	1.000	.205	.083	.200	.213	.151
	Q30	.205	1.000	.134	.337	.308	.272
	Q53	.083	.134	1.000	.218	.135	.199
	Q76	.200	.337	.218	1.000	.486	.425
	Q99	.213	.308	.135	.486	1.000	.471
	Q122	.151	.272	.199	.425	.471	1.000
Sig. (1-tailed)	Q7		.000	.000	.000	.000	.000
	Q30	.000		.000	.000	.000	.000
	Q53	.000	.000		.000	.000	.000
	Q76	.000	.000	.000		.000	.000
	Q99	.000	.000	.000	.000		.000
	Q122	.000	.000	.000	.000	.000	

a. Determinant = .410

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.772
Bartlett's Test of Sphericity	Approx. Chi-Square	5183.243
	df	15
	Sig.	.000

Anti-image Matrices

		Q7	Q30	Q53	Q76	Q99	Q122
Anti-image Covariance	Q7	.926	-.109	-.025	-.057	-.078	-.013
	Q30	-.109	.835	-.040	-.132	-.089	-.069
	Q53	-.025	-.040	.936	-.102	.012	-.090
	Q76	-.057	-.132	-.102	.672	-.207	-.145
	Q99	-.078	-.089	.012	-.207	.660	-.214
	Q122	-.013	-.069	-.090	-.145	-.214	.712
Anti-image Correlation	Q7	.832[a]	-.124	-.027	-.072	-.100	-.016
	Q30	-.124	.827[a]	-.046	-.177	-.120	-.090
	Q53	-.027	-.046	.805[a]	-.129	.015	-.110
	Q76	-.072	-.177	-.129	.762[a]	-.310	-.210
	Q99	-.100	-.120	.015	-.310	.738[a]	-.313
	Q122	-.016	-.090	-.110	-.210	-.313	.769[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

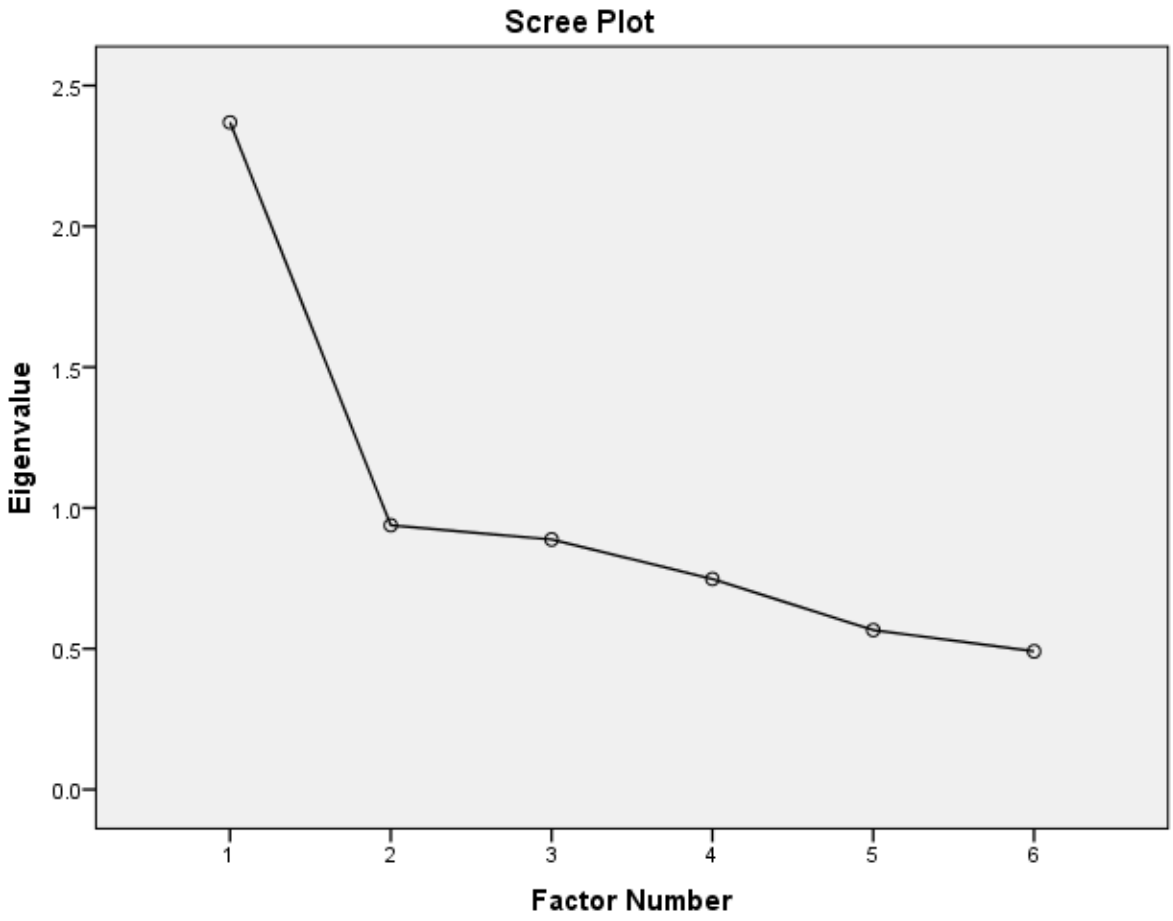
	Initial	Extraction
Q7	.074	.091
Q30	.165	.221
Q53	.064	.075
Q76	.328	.488
Q99	.340	.481
Q122	.288	.395

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.369	39.490	39.490	1.751	29.179	29.179
2	.938	15.639	55.129			
3	.888	14.797	69.926			
4	.747	12.457	82.384			
5	.566	9.438	91.821			
6	.491	8.179	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q7	.302
Q30	.470
Q53	.274
Q76	.699
Q99	.694
Q122	.628

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q7	Q30	Q53	Q76	Q99	Q122
Reproduced Correlation	Q7	.091[a]	.142	.083	.211	.210	.190
	Q30	.142	.221[a]	.129	.328	.326	.295
	Q53	.083	.129	.075[a]	.191	.190	.172
	Q76	.211	.328	.191	.488[a]	.485	.439
	Q99	.210	.326	.190	.485	.481[a]	.436
	Q122	.190	.295	.172	.439	.436	.395[a]
Residual[b]	Q7		.063	-4.383E-005	-.011	.003	-.038
	Q30	.063		.005	.009	-.018	-.023
	Q53	-4.383E-005	.005		.027	-.055	.027
	Q76	-.011	.009	.027		.001	-.014
	Q99	.003	-.018	-.055	.001		.035
	Q122	-.038	-.023	.027	-.014	.035	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 2 (13.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.18 Dimensionality – Need to achieve

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q6	Q29	Q52	Q75	Q98	Q121
Correlation	Q6	1.000	.073	.101	.131	.114	.180
	Q29	.073	1.000	.346	.348	-.020	.204
	Q52	.101	.346	1.000	.410	.035	.259
	Q75	.131	.348	.410	1.000	.058	.387
	Q98	.114	-.020	.035	.058	1.000	.250
	Q121	.180	.204	.259	.387	.250	1.000
Sig. (1-tailed)	Q6		.000	.000	.000	.000	.000
	Q29	.000		.000	.000	.066	.000
	Q52	.000	.000		.000	.004	.000
	Q75	.000	.000	.000		.000	.000
	Q98	.000	.066	.004	.000		.000
	Q121	.000	.000	.000	.000	.000	

a. Determinant = .513

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.696
Bartlett's Test of Sphericity	Approx. Chi-Square	3876.130
	df	15
	Sig.	.000

Anti-image Matrices

		Q6	Q29	Q52	Q75	Q98	Q121
Anti-image Covariance	Q6	.956	-.014	-.028	-.041	-.073	-.097
	Q29	-.014	.823	-.183	-.161	.055	-.052
	Q52	-.028	-.183	.776	-.207	.005	-.075
	Q75	-.041	-.161	-.207	.711	.020	-.213
	Q98	-.073	.055	.005	.020	.926	-.203
	Q121	-.097	-.052	-.075	-.213	-.203	.773
Anti-image Correlation	Q6	.777[a]	-.016	-.033	-.049	-.077	-.113
	Q29	-.016	.732[a]	-.230	-.211	.063	-.065
	Q52	-.033	-.230	.722[a]	-.279	.006	-.097
	Q75	-.049	-.211	-.279	.689[a]	.025	-.288
	Q98	-.077	.063	.006	.025	.542[a]	-.239
	Q121	-.113	-.065	-.097	-.288	-.239	.680[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q6	.044	.074
Q29	.177	.308
Q52	.224	.373
Q75	.289	.469
Q98	.074	.202
Q121	.227	.481

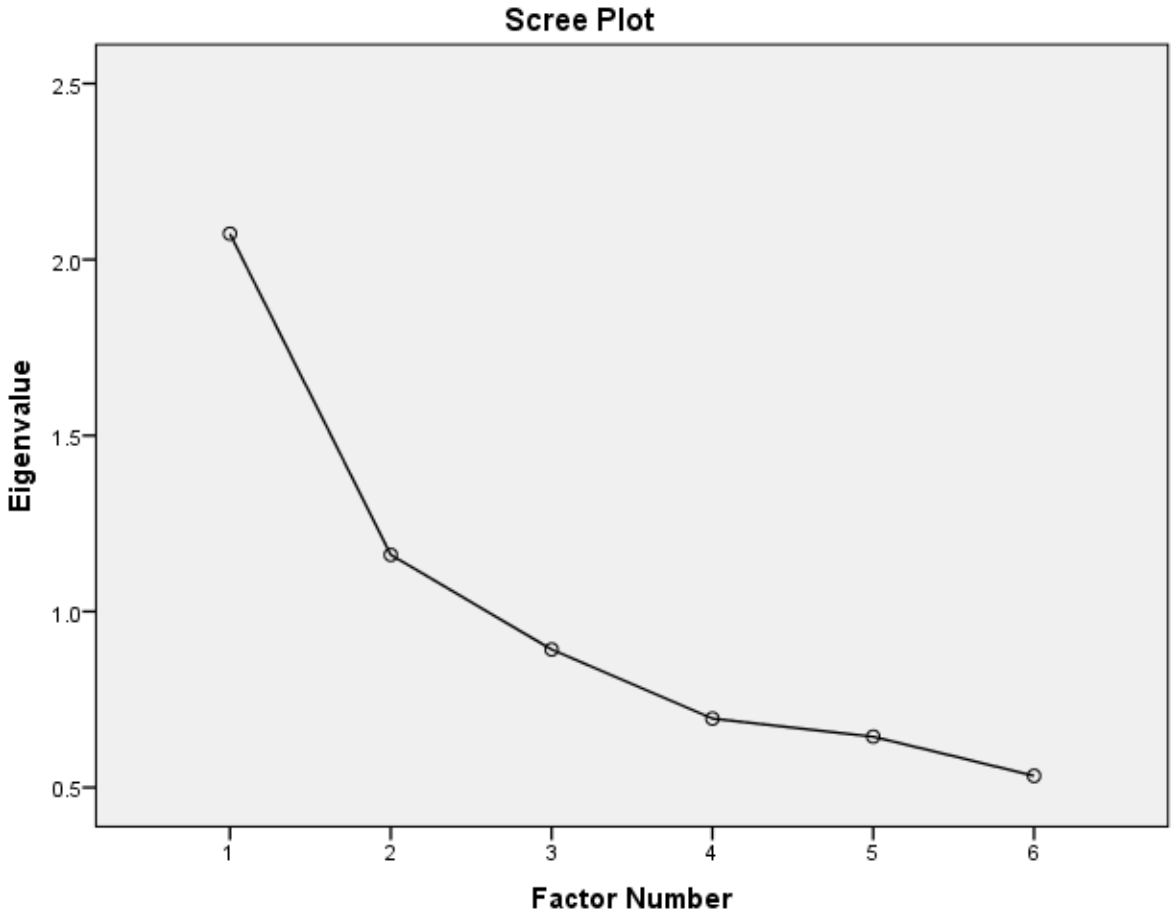
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.074	34.558	34.558	1.472	24.525	24.525	1.340
2	1.161	19.351	53.910	.436	7.264	31.789	.836
3	.892	14.870	68.780				
4	.696	11.596	80.376				
5	.644	10.740	91.116				
6	.533	8.884	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q6	.223	.155
Q29	.490	-.261
Q52	.575	-.205
Q75	.677	-.104
Q98	.177	.413
Q121	.601	.347

Extraction Method: Principal Axis Factoring.

a. 2 factors extracted. 19 iterations required.

Reproduced Correlations

		Q6	Q29	Q52	Q75	Q98	Q121
Reproduced Correlation	Q6	.074[a]	.069	.096	.135	.104	.188
	Q29	.069	.308[a]	.335	.359	-.021	.204
	Q52	.096	.335	.373[a]	.411	.017	.274
	Q75	.135	.359	.411	.469[a]	.077	.371
	Q98	.104	-.021	.017	.077	.202[a]	.250
	Q121	.188	.204	.274	.371	.250	.481[a]
Residual[b]	Q6		.005	.005	-.004	.011	-.007
	Q29	.005		.011	-.011	.001	.000
	Q52	.005	.011		-.001	.018	-.015
	Q75	-.004	-.011	-.001		-.019	.016
	Q98	.011	.001	.018	-.019		-4.807E-005
	Q121	-.007	.000	-.015	.016	-4.807E-005	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q6	.082	.235
Q29	.573	-.073
Q52	.606	.013
Q75	.624	.151
Q98	-.124	.471
Q121	.268	.564

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 6 iterations.

Structure Matrix

	Factor	
	1	2
Q6	.153	.260
Q29	.551	.100
Q52	.610	.197
Q75	.670	.340
Q98	.018	.434
Q121	.439	.645

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	.302
2	.302	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.19 Dimensionality – Need to be supportive

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q17	Q20	Q38	Q59	Q80	Q101
Correlation	Q17	1.000	.472	.395	.186	.569	.081
	Q20	.472	1.000	.264	.157	.485	.000
	Q38	.395	.264	1.000	.244	.339	.160
	Q59	.186	.157	.244	1.000	.223	.145
	Q80	.569	.485	.339	.223	1.000	.038
	Q101	.081	.000	.160	.145	.038	1.000
Sig. (1-tailed)	Q17		.000	.000	.000	.000	.000
	Q20	.000		.000	.000	.000	.487
	Q38	.000	.000		.000	.000	.000
	Q59	.000	.000	.000		.000	.000
	Q80	.000	.000	.000	.000		.002
	Q101	.000	.487	.000	.000	.002	

a. Determinant = .346

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.757
Bartlett's Test of Sphericity	Approx. Chi-Square	6169.982
	df	15
	Sig.	.000

Anti-image Matrices

		Q17	Q20	Q38	Q59	Q80	Q101
Anti-image Covariance	Q17	.589	-.163	-.153	-.010	-.232	-.032
	Q20	-.163	.703	-.041	-.029	-.182	.045
	Q38	-.153	-.041	.786	-.128	-.076	-.109
	Q59	-.010	-.029	-.128	.905	-.080	-.107
	Q80	-.232	-.182	-.076	-.080	.599	.021
	Q101	-.032	.045	-.109	-.107	.021	.957
Anti-image Correlation	Q17	.735[a]	-.252	-.224	-.014	-.390	-.043
	Q20	-.252	.786[a]	-.055	-.036	-.281	.055
	Q38	-.224	-.055	.803[a]	-.152	-.111	-.126
	Q59	-.014	-.036	-.152	.792[a]	-.109	-.115
	Q80	-.390	-.281	-.111	-.109	.738[a]	.028
	Q101	-.043	.055	-.126	-.115	.028	.611[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Q17	.411	.567
Q20	.297	.415
Q38	.214	.350
Q59	.095	.173
Q80	.401	.572
Q101	.043	.155

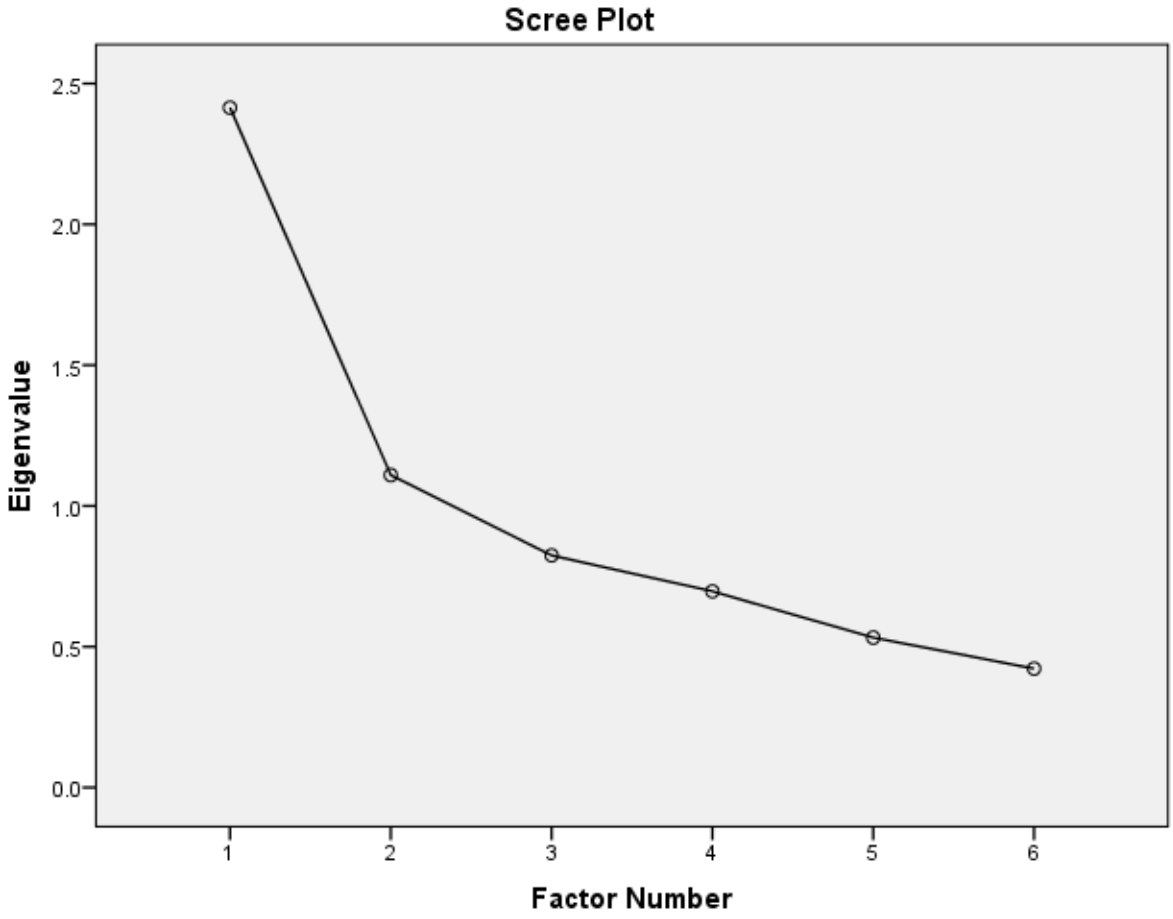
Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	2.415	40.243	40.243	1.887	31.449	31.449	1.833
2	1.110	18.494	58.737	.345	5.758	37.207	.744
3	.824	13.740	72.477				
4	.697	11.612	84.089				
5	.532	8.873	92.962				
6	.422	7.038	100.000				

Extraction Method: Principal Axis Factoring.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor	
	1	2
Q17	.750	-.068
Q20	.614	-.196
Q38	.526	.271
Q59	.320	.265
Q80	.744	-.139
Q101	.127	.373

Extraction Method: Principal Axis Factoring.

a. 2 factors extracted. 8 iterations required.

Reproduced Correlations

		Q17	Q20	Q38	Q59	Q80	Q101
Reproduced Correlation	Q17	.567[a]	.474	.376	.222	.567	.070
	Q20	.474	.415[a]	.270	.144	.484	.005
	Q38	.376	.270	.350[a]	.240	.353	.168
	Q59	.222	.144	.240	.173[a]	.201	.140
	Q80	.567	.484	.353	.201	.572[a]	.042
	Q101	.070	.005	.168	.140	.042	.155[a]
Residual[b]	Q17		-.002	.019	-.036	.002	.011
	Q20	-.002		-.005	.013	.001	-.005
	Q38	.019	-.005		.004	-.015	-.007
	Q59	-.036	.013	.004		.022	.005
	Q80	.002	.001	-.015	.022		-.005
	Q101	.011	-.005	-.007	.005	-.005	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Pattern Matrix[a]

	Factor	
	1	2
Q17	.723	.079
Q20	.668	-.082
Q38	.335	.387
Q59	.149	.341
Q80	.755	.004
Q101	-.086	.415

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.[a]
a. Rotation converged in 5 iterations.

Structure Matrix

	Factor	
	1	2
Q17	.749	.323
Q20	.640	.143
Q38	.466	.500
Q59	.264	.391
Q80	.757	.259
Q101	.054	.386

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2
1	1.000	.338
2	.338	1.000

Extraction Method: Principal Axis Factoring.
Rotation Method: Oblimin with Kaiser Normalization.

1.20 Dimensionality – Role of the hard worker

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q1	Q22	Q43	Q64	Q85	Q106
Correlation	Q1	1.000	.417	.304	.299	.323	.083
	Q22	.417	1.000	.501	.389	.487	.071
	Q43	.304	.501	1.000	.371	.493	.048
	Q64	.299	.389	.371	1.000	.412	.058
	Q85	.323	.487	.493	.412	1.000	.074
	Q106	.083	.071	.048	.058	.074	1.000
Sig. (1-tailed)	Q1		.000	.000	.000	.000	.000
	Q22	.000		.000	.000	.000	.000
	Q43	.000	.000		.000	.000	.000
	Q64	.000	.000	.000		.000	.000
	Q85	.000	.000	.000	.000		.000
	Q106	.000	.000	.000	.000	.000	

a. Determinant = .306

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.812
Bartlett's Test of Sphericity	Approx. Chi-Square	6875.775
	df	15
	Sig.	.000

Anti-image Matrices

		Q1	Q22	Q43	Q64	Q85	Q106
Anti-image Covariance	Q1	.789	-.174	-.043	-.091	-.064	-.044
	Q22	-.174	.610	-.179	-.096	-.145	-.016
	Q43	-.043	-.179	.652	-.095	-.181	.006
	Q64	-.091	-.096	-.095	.757	-.144	-.013
	Q85	-.064	-.145	-.181	-.144	.641	-.026
	Q106	-.044	-.016	.006	-.013	-.026	.990
Anti-image Correlation	Q1	.837[a]	-.251	-.059	-.117	-.089	-.050
	Q22	-.251	.790[a]	-.283	-.141	-.233	-.020
	Q43	-.059	-.283	.801[a]	-.136	-.279	.007
	Q64	-.117	-.141	-.136	.853[a]	-.207	-.015
	Q85	-.089	-.233	-.279	-.207	.805[a]	-.033
	Q106	-.050	-.020	.007	-.015	-.033	.843[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

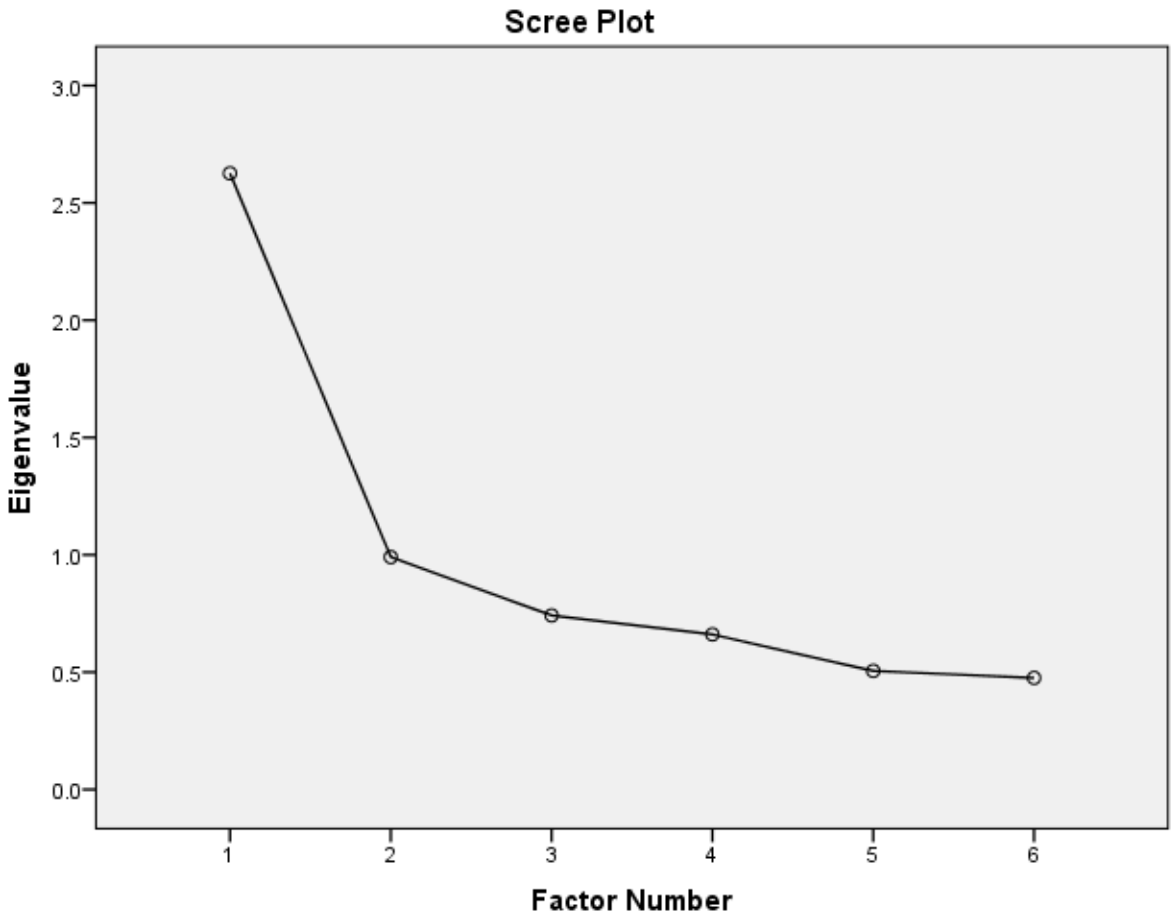
	Initial	Extraction
Q1	.211	.257
Q22	.390	.536
Q43	.348	.452
Q64	.243	.317
Q85	.359	.482
Q106	.010	.011

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.626	43.766	43.766	2.054	34.232	34.232
2	.991	16.508	60.274			
3	.742	12.363	72.637			
4	.661	11.014	83.652			
5	.505	8.420	92.072			
6	.476	7.928	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q1	.507
Q22	.732
Q43	.672
Q64	.563
Q85	.694
Q106	.103

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 6 iterations required.

Reproduced Correlations

		Q1	Q22	Q43	Q64	Q85	Q106
Reproduced Correlation	Q1	.257[a]	.371	.341	.285	.352	.052
	Q22	.371	.536[a]	.492	.412	.508	.075
	Q43	.341	.492	.452[a]	.378	.467	.069
	Q64	.285	.412	.378	.317[a]	.391	.058
	Q85	.352	.508	.467	.391	.482[a]	.071
	Q106	.052	.075	.069	.058	.071	.011[a]
Residual[b]	Q1		.046	-.037	.014	-.028	.031
	Q22	.046		.009	-.023	-.021	-.004
	Q43	-.037	.009		-.007	.026	-.021
	Q64	.014	-.023	-.007		.021	.000
	Q85	-.028	-.021	.026	.021		.003
	Q106	.031	-.004	-.021	.000	.003	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 0 (.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.

1.21 Dimensionality – Social Desirability

[DataSet1] C:\Users\lizelle\Desktop\PAPI SPSS data 2013\PAPI-N Data 02072013.sav

Correlation Matrix[a]

		Q21	Q42	Q63	Q84	Q105	Q126
Correlation	Q21	1.000	.376	.390	.446	.384	.309
	Q42	.376	1.000	.396	.360	.402	.344
	Q63	.390	.396	1.000	.376	.401	.378
	Q84	.446	.360	.376	1.000	.426	.335
	Q105	.384	.402	.401	.426	1.000	.481
	Q126	.309	.344	.378	.335	.481	1.000
Sig. (1-tailed)	Q21		.000	.000	.000	.000	.000
	Q42	.000		.000	.000	.000	.000
	Q63	.000	.000		.000	.000	.000
	Q84	.000	.000	.000		.000	.000
	Q105	.000	.000	.000	.000		.000
	Q126	.000	.000	.000	.000	.000	

a. Determinant = .240

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.848
Bartlett's Test of Sphericity	Approx. Chi-Square	8292.934
	df	15
	Sig.	.000

Anti-image Matrices

		Q21	Q42	Q63	Q84	Q105	Q126
Anti-image Covariance	Q21	.701	-.109	-.115	-.180	-.078	-.034
	Q42	-.109	.723	-.130	-.078	-.107	-.075
	Q63	-.115	-.130	.703	-.088	-.086	-.111
	Q84	-.180	-.078	-.088	.690	-.125	-.054
	Q105	-.078	-.107	-.086	-.125	.633	-.205
	Q126	-.034	-.075	-.111	-.054	-.205	.707
Anti-image Correlation	Q21	.846[a]	-.153	-.164	-.259	-.117	-.049
	Q42	-.153	.871[a]	-.182	-.111	-.158	-.105
	Q63	-.164	-.182	.865[a]	-.126	-.129	-.158
	Q84	-.259	-.111	-.126	.848[a]	-.189	-.078
	Q105	-.117	-.158	-.129	-.189	.827[a]	-.306
	Q126	-.049	-.105	-.158	-.078	-.306	.836[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

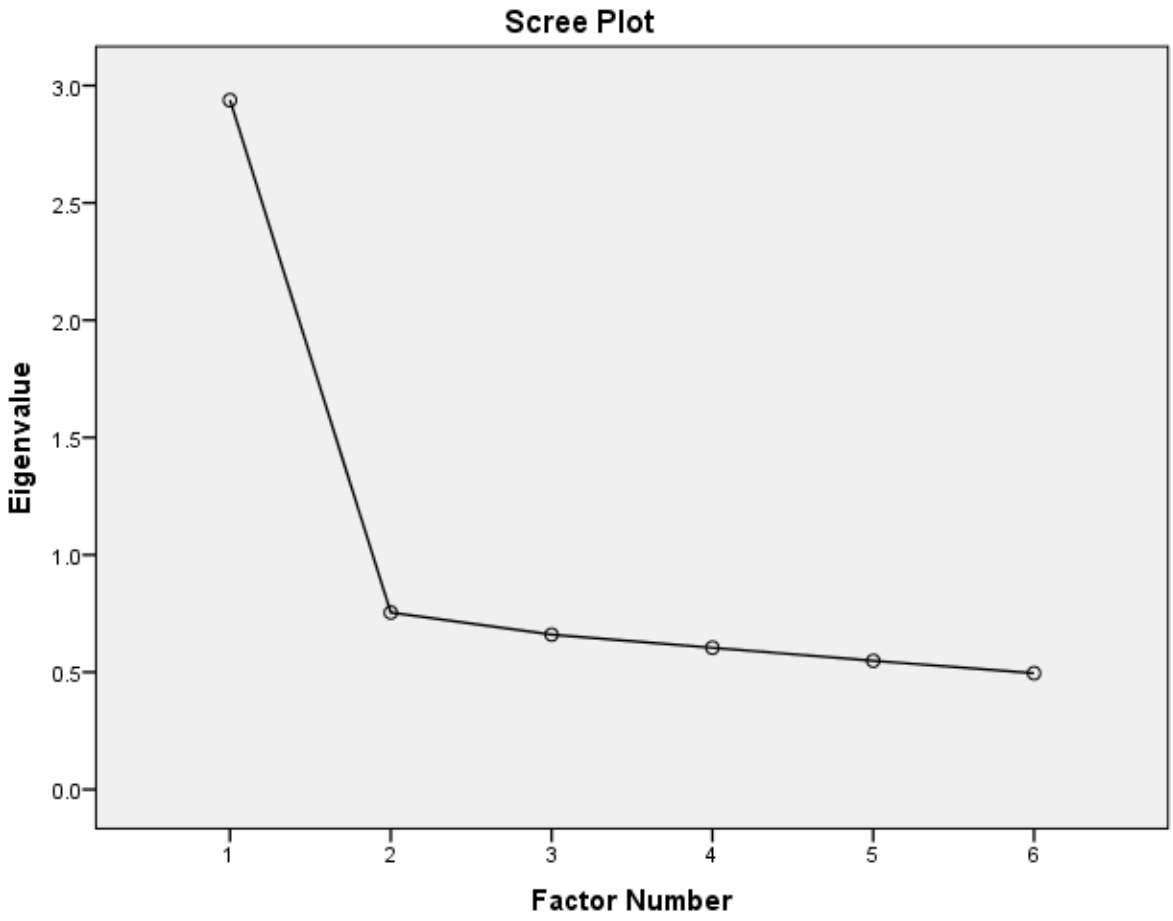
	Initial	Extraction
Q21	.299	.371
Q42	.277	.359
Q63	.297	.388
Q84	.310	.391
Q105	.367	.471
Q126	.293	.349

Extraction Method: Principal Axis Factoring.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.938	48.962	48.962	2.329	38.820	38.820
2	.754	12.563	61.525			
3	.660	11.002	72.526			
4	.604	10.071	82.597			
5	.548	9.142	91.738			
6	.496	8.262	100.000			

Extraction Method: Principal Axis Factoring.



Factor Matrix[a]

	Factor
	1
Q21	.609
Q42	.599
Q63	.623
Q84	.625
Q105	.687
Q126	.591

Extraction Method: Principal Axis Factoring.

a. 1 factors extracted. 5 iterations required.

Reproduced Correlations

		Q21	Q42	Q63	Q84	Q105	Q126
Reproduced Correlation	Q21	.371[a]	.365	.379	.381	.418	.360
	Q42	.365	.359[a]	.373	.375	.411	.354
	Q63	.379	.373	.388[a]	.390	.428	.368
	Q84	.381	.375	.390	.391[a]	.429	.369
	Q105	.418	.411	.428	.429	.471[a]	.406
	Q126	.360	.354	.368	.369	.406	.349[a]
Residual[b]	Q21		.011	.010	.065	-.034	-.051
	Q42	.011		.023	-.014	-.009	-.010
	Q63	.010	.023		-.013	-.026	.010
	Q84	.065	-.014	-.013		-.003	-.034
	Q105	-.034	-.009	-.026	-.003		.076
	Q126	-.051	-.010	.010	-.034	.076	

Extraction Method: Principal Axis Factoring.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 3 (20.0%) nonredundant residuals with absolute values greater than 0.05.

Rotated Factor Matrix[a]

a. Only one factor was extracted. The solution cannot be rotated.