The SAS System

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	25439
Number of Records Used	21754
N for Significance Tests	21754

The SAS System

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables								
	first	pay	keep	love	friend	connect	express	family
first	1.00000	0.57882	0.09367	0.20788	0.04396	0.01973	0.11032	-0.06290
pay	0.57882	1.00000	-0.02551	0.15698	0.03476	-0.01628	0.14080	-0.03438
keep	0.09367	-0.02551	1.00000	0.41965	0.01804	0.06896	-0.04290	0.09088
love	0.20788	0.15698	0.41965	1.00000	-0.01349	0.05999	0.07087	0.04371
friend	0.04396	0.03476	0.01804	-0.01349	1.00000	0.32224	0.23804	0.14466
connect	0.01973	-0.01628	0.06896	0.05999	0.32224	1.00000	0.24852	0.29520
express	0.11032	0.14080	-0.04290	0.07087	0.23804	0.24852	1.00000	-0.02957
family	-0.06290	-0.03438	0.09088	0.04371	0.14466	0.29520	-0.02957	1.00000

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79023094							
first	pay	keep	love	friend	connect	express	family
0.75751554	0.75112387	0.78000906	0.81547664	0.82160729	0.78650932	0.85898278	0.75976141

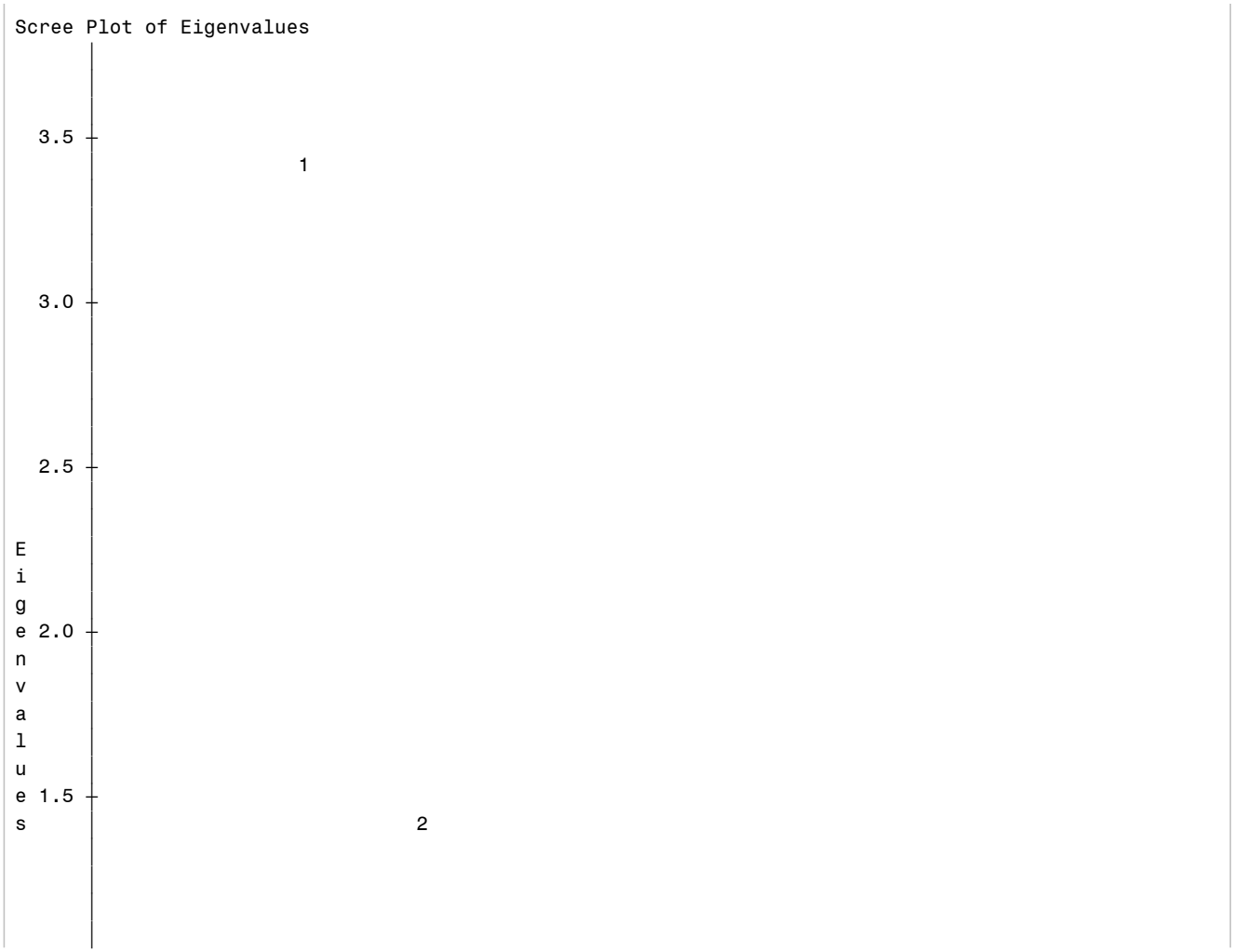
The SAS System

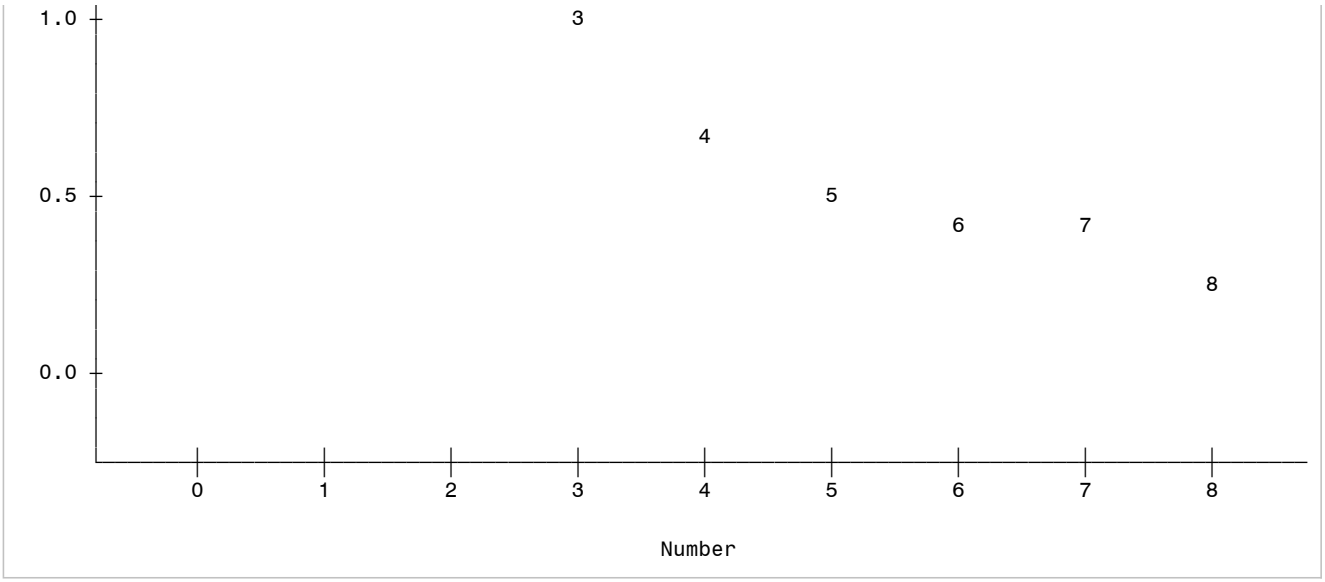
The FACTOR Procedure
Initial Factor Method: Principal Components

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 8 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	3.38672168	1.98941426	0.4233	0.4233
2	1.39730742	0.43679563	0.1747	0.5980
3	0.96051179	0.32522330	0.1201	0.7181
4	0.63528850	0.13270608	0.0794	0.7975
5	0.50258241	0.06308724	0.0628	0.8603
6	0.43949517	0.03695980	0.0549	0.9152
7	0.40253538	0.12697773	0.0503	0.9656
8	0.27555765		0.0344	1.0000

2 factors will be retained by the NFACTOR criterion.





Factor Pattern		
	Factor1	Factor2
first	0.74644	-0.43938
pay	0.71421	-0.43925
keep	0.58747	-0.17610
love	0.72405	-0.30889
friend	0.62650	0.46066
connect	0.65573	0.51554
express	0.68724	0.14112
family	0.39409	0.62207

Variance Explained by Each Factor	
Factor1	Factor2
3.3867217	1.3973074

Final Communality Estimates: Total = 4.784029							
first	pay	keep	love	friend	connect	express	family
0.75022311	0.70304351	0.37613426	0.61966197	0.60471106	0.69576021	0.49221648	0.54227849

The SAS System

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix		
	1	2
1	0.80627	0.59155
2	-0.59155	0.80627

Rotated Factor Pattern		
	Factor1	Factor2
first	0.86174	0.08729
pay	0.83569	0.06834
keep	0.57783	0.20554
love	0.76650	0.17926
friend	0.23262	0.74202
connect	0.22372	0.80356
express	0.47062	0.52032
family	-0.05025	0.73468

Variance Explained by Each Factor	
Factor1	Factor2
2.6905607	2.0934684

Final Communality Estimates: Total = 4.784029							
first	pay	keep	love	friend	connect	express	family
0.75022311	0.70304351	0.37613426	0.61966197	0.60471106	0.69576021	0.49221648	0.54227849

The SAS System

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor	
Factor1	Factor2
1.0000000	1.0000000

Standardized Scoring Coefficients		
	Factor1	Factor2
first	0.36371	-0.12315
pay	0.35599	-0.12870
keep	0.21441	0.00100
love	0.30314	-0.05177
friend	-0.04587	0.37524
connect	-0.06215	0.41201
express	0.10387	0.20147
family	-0.16954	0.42778