The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	77
Number of Records Used	77
N for Significance Tests	77

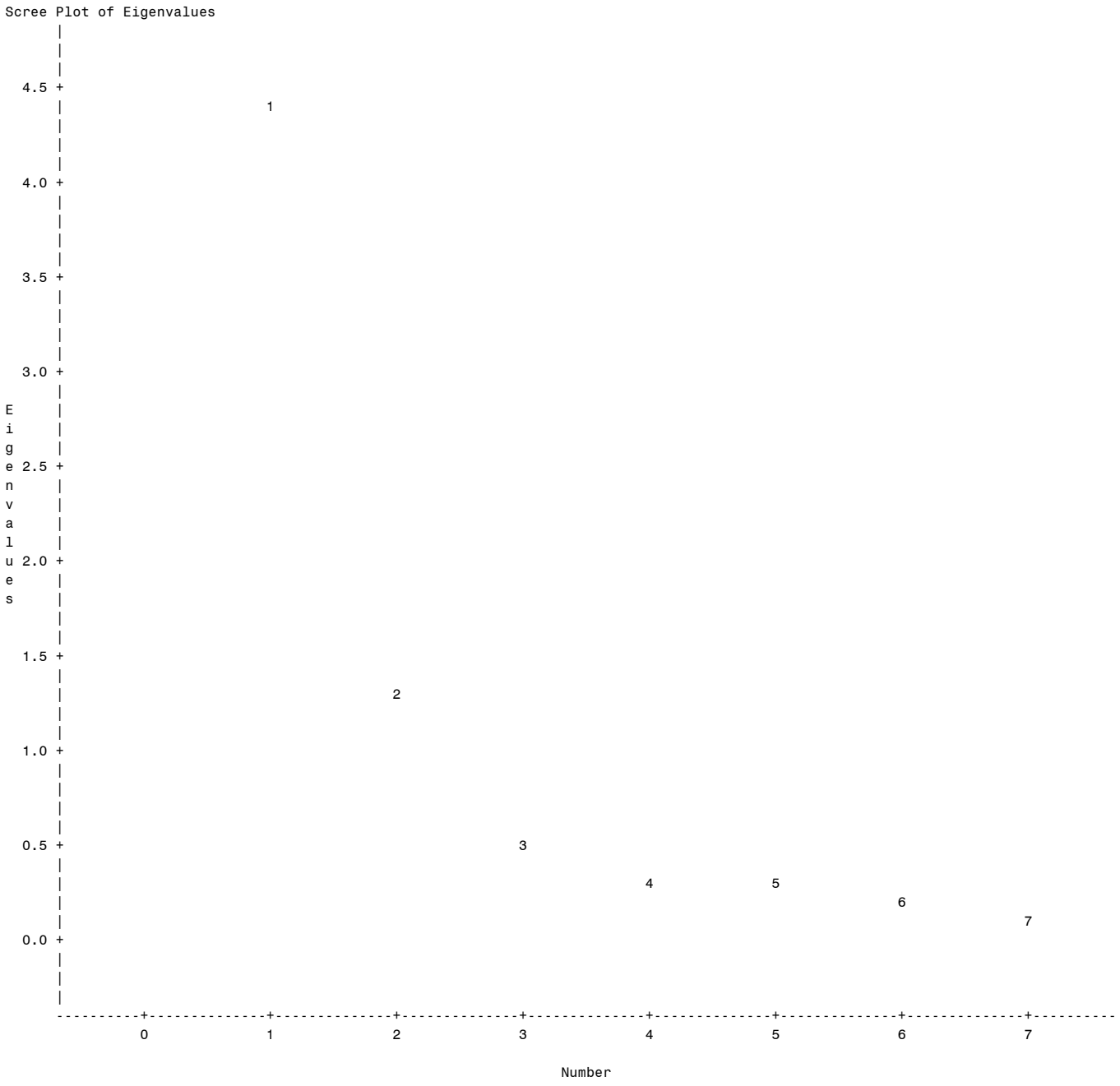
The FACTOR Procedure
Initial Factor Method: Principal Components

Prior Communality Estimates: ONE

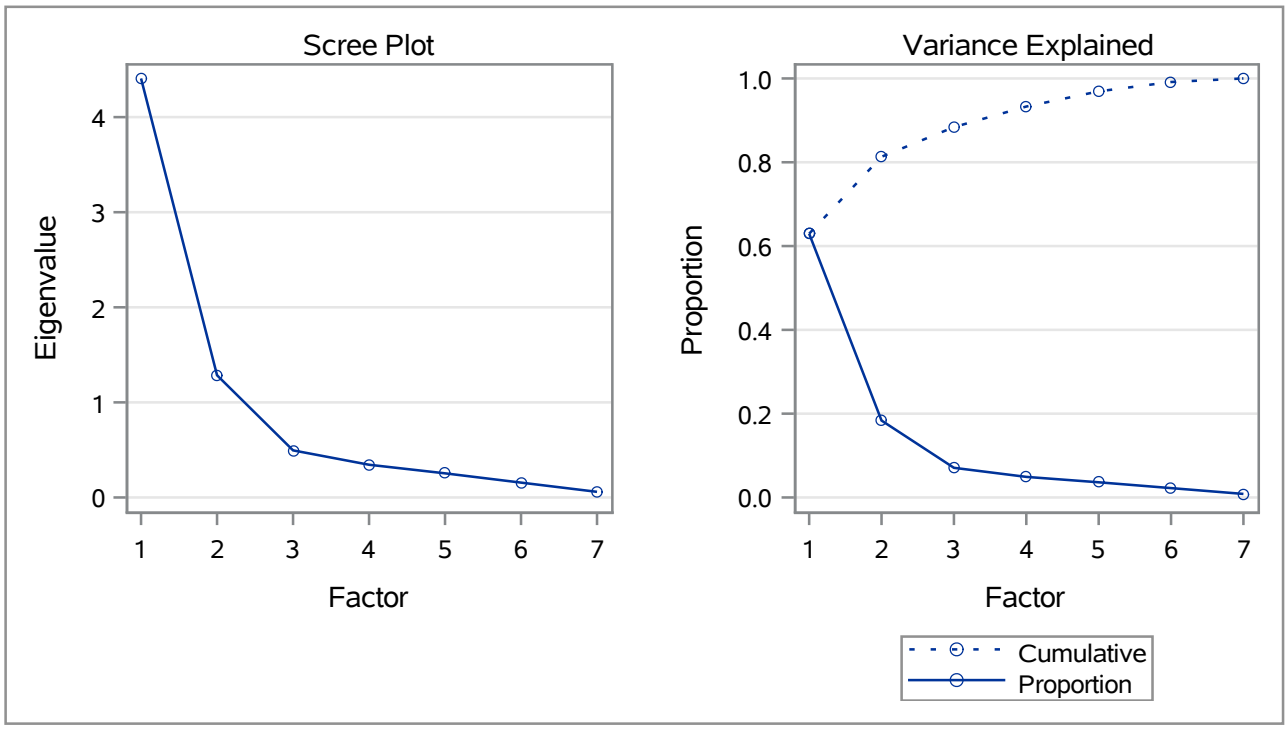
Eigenvalues of the Correlation Matrix: Total = 7 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	4.40664476	3.12148176	0.6295	0.6295
2	1.28516300	0.78989844	0.1836	0.8131
3	0.49526456	0.15127287	0.0708	0.8839
4	0.34399169	0.09035705	0.0491	0.9330
5	0.25363464	0.09753931	0.0362	0.9692
6	0.15609533	0.09688932	0.0223	0.9915
7	0.05920601		0.0085	1.0000

2 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



The FACTOR Procedure
Initial Factor Method: Principal Components



Eigenvectors		
	1	2
X1	0.32780	-0.44115
X2	0.43203	-0.01413
X3	0.44341	0.01530
X4	0.44227	-0.13958
X5	0.38451	0.35650
X6	0.10098	0.81071
X7	0.39450	-0.03368

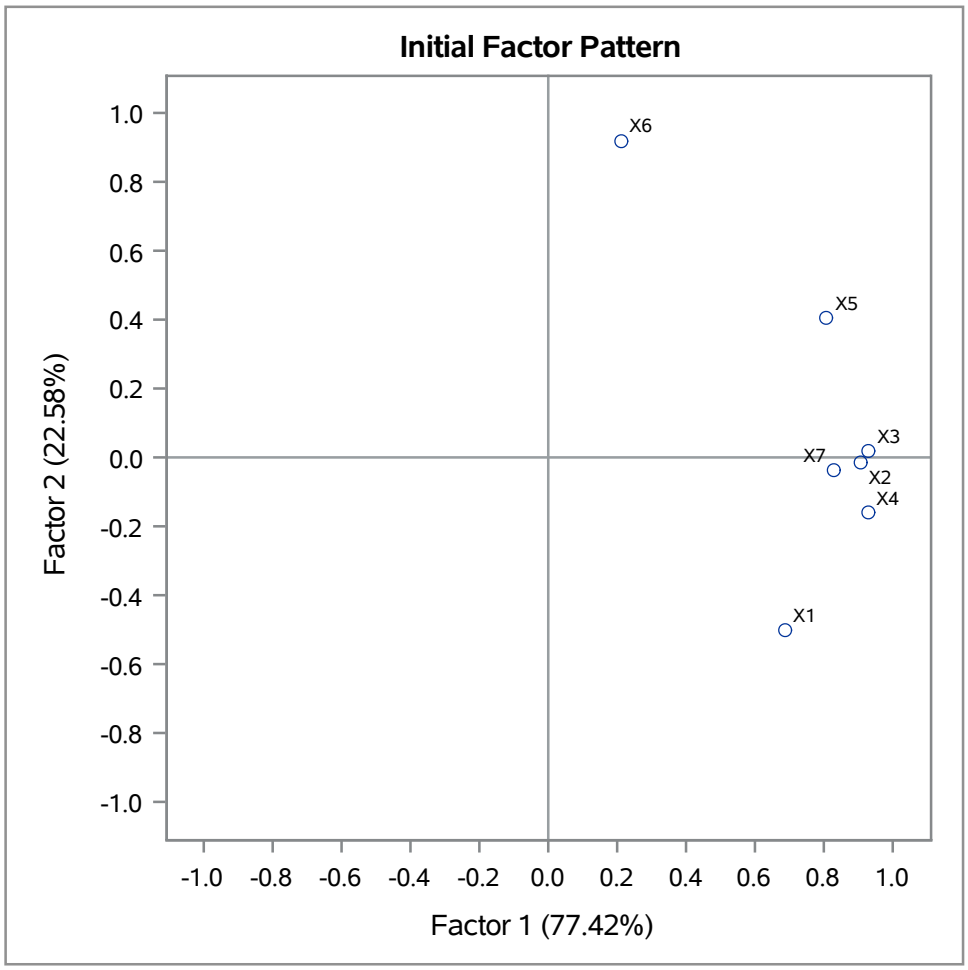
Factor Pattern		
	Factor1	Factor2
X1	0.68812	-0.50011
X2	0.90693	-0.01602
X3	0.93081	0.01735
X4	0.92841	-0.15823
X5	0.80717	0.40415
X6	0.21198	0.91906
X7	0.82813	-0.03818

The FACTOR Procedure
Initial Factor Method: Principal Components

Variance Explained by Each Factor	
Factor1	Factor2
4.4066448	1.2851630

Final Communality Estimates: Total = 5.691808						
X1	X2	X3	X4	X5	X6	X7
0.72362102	0.82277140	0.86671474	0.88698747	0.81485485	0.88959800	0.68726028

The FACTOR Procedure
Initial Factor Method: Principal Components



The FACTOR Procedure
Rotation Method: Varimax

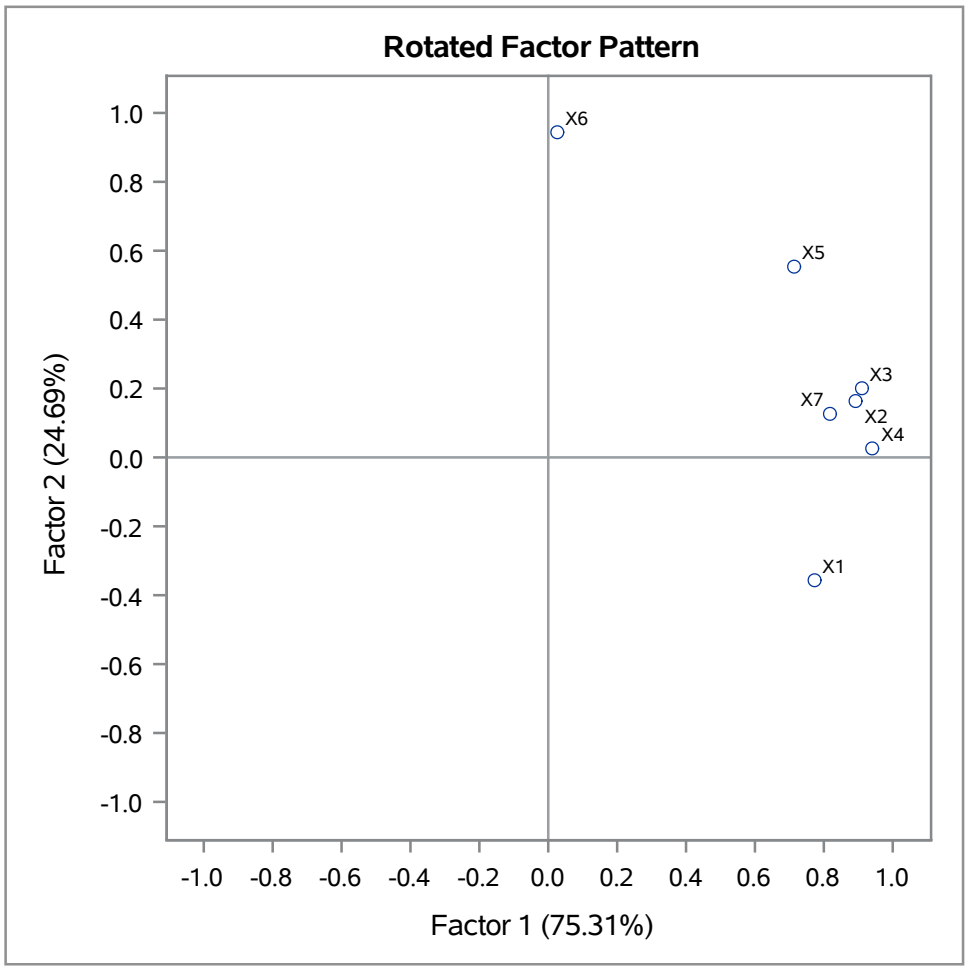
Orthogonal Transformation Matrix		
	1	2
1	0.98059	0.19608
2	-0.19608	0.98059

Rotated Factor Pattern		
	Factor1	Factor2
X1	0.77283	-0.35547
X2	0.89246	0.16212
X3	0.90934	0.19953
X4	0.94142	0.02689
X5	0.71225	0.55458
X6	0.02765	0.94278
X7	0.81954	0.12495

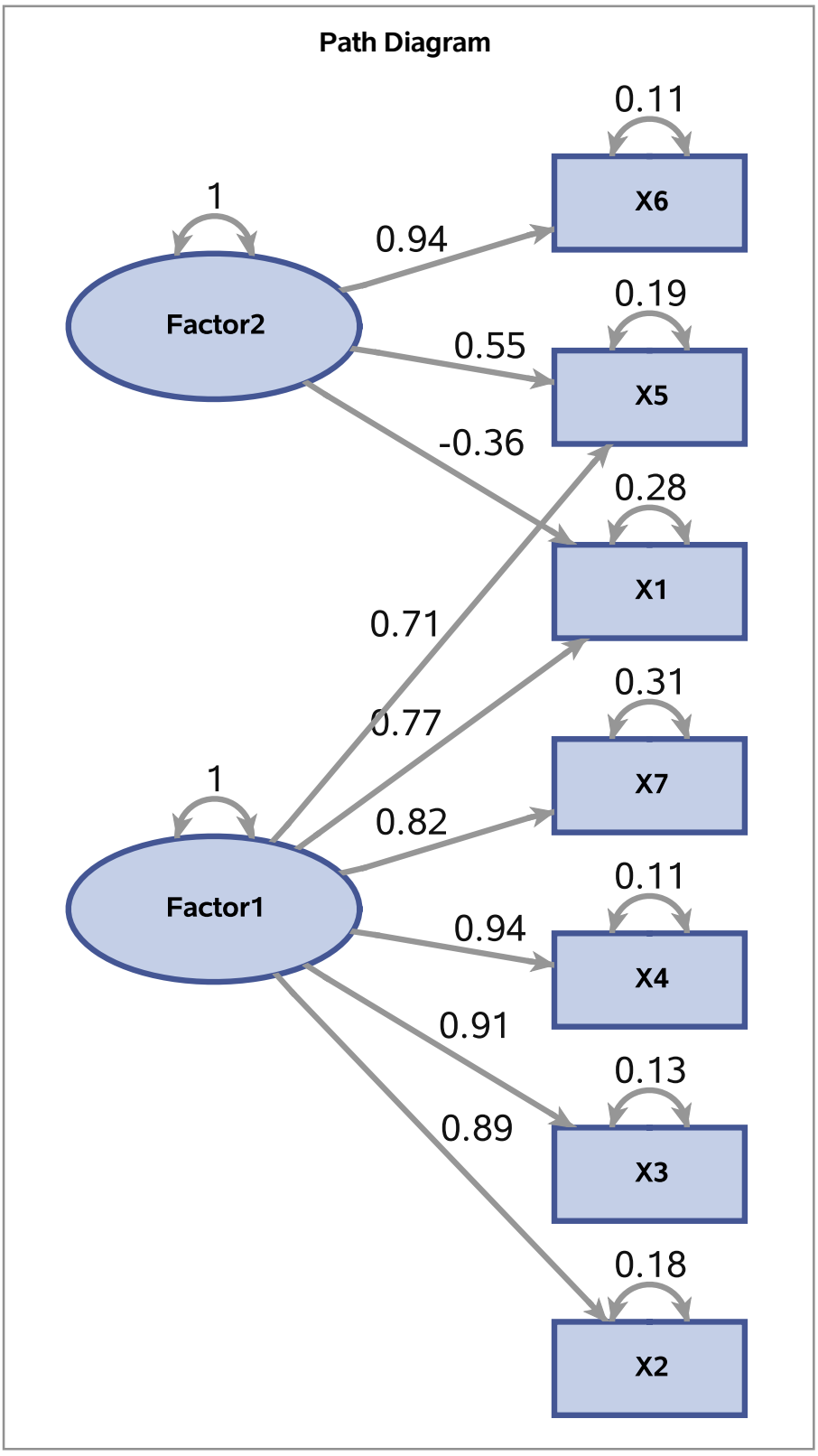
Variance Explained by Each Factor	
Factor1	Factor2
4.2866277	1.4051801

Final Communality Estimates: Total = 5.691808						
X1	X2	X3	X4	X5	X6	X7
0.72362102	0.82277140	0.86671474	0.88698747	0.81485485	0.88959800	0.68726028

The FACTOR Procedure
Rotation Method: Varimax



The FACTOR Procedure
Rotation Method: Varimax



The FACTOR Procedure

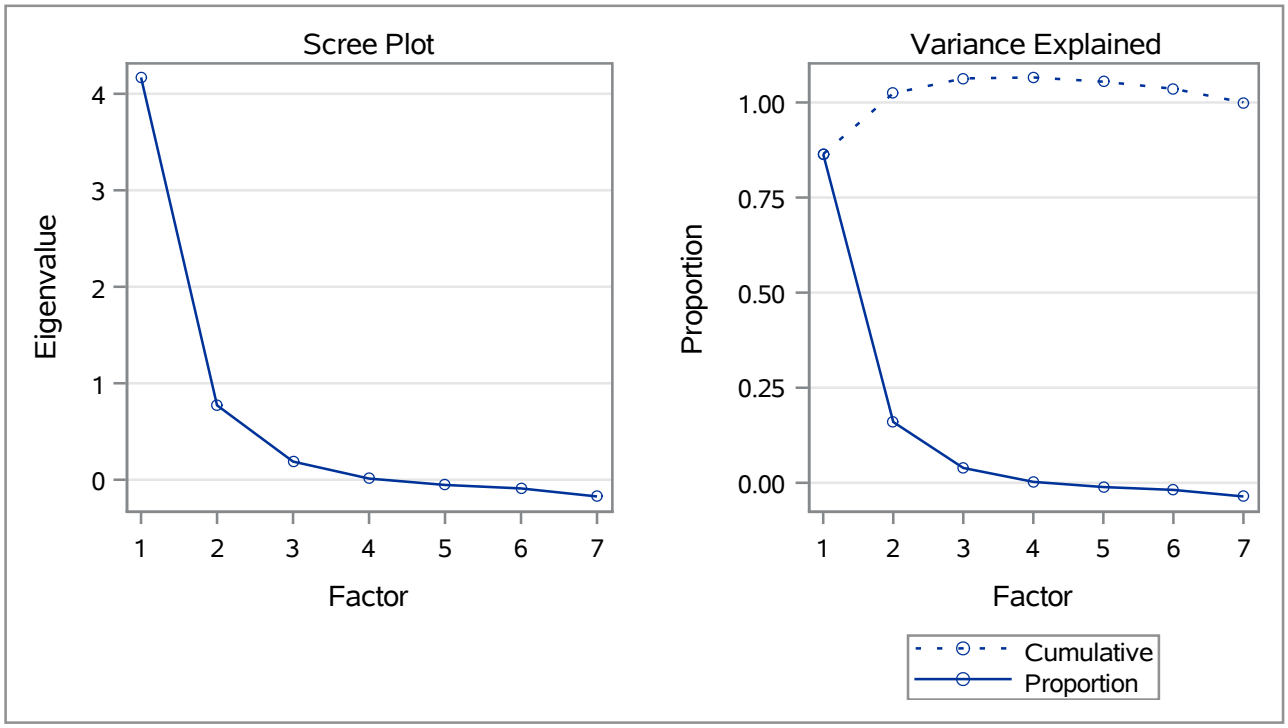
Input Data Type	Raw Data
Number of Records Read	77
Number of Records Used	77
N for Significance Tests	77

The FACTOR Procedure
Initial Factor Method: Principal Factors

Prior Communality Estimates: SMC						
X1	X2	X3	X4	X5	X6	X7
0.52271654	0.77452727	0.88815893	0.89959527	0.68700881	0.39932298	0.65270237

Eigenvalues of the Reduced Correlation Matrix: Total = 4.82403217 Average = 0.68914745				
	Eigenvalue	Difference	Proportion	Cumulative
1	4.16931551	3.39801859	0.8643	0.8643
2	0.77129692	0.58305985	0.1599	1.0242
3	0.18823707	0.17609374	0.0390	1.0632
4	0.01214333	0.06586833	0.0025	1.0657
5	-.05372500	0.03630030	-0.0111	1.0546
6	-.09002530	0.08318506	-0.0187	1.0359
7	-.17321036		-0.0359	1.0000

2 factors will be retained by the NFACTOR criterion.



Factor Pattern		
	Factor1	Factor2
X1	0.63257	-0.39857
X2	0.88487	-0.00897
X3	0.93369	0.01911
X4	0.93401	-0.18551

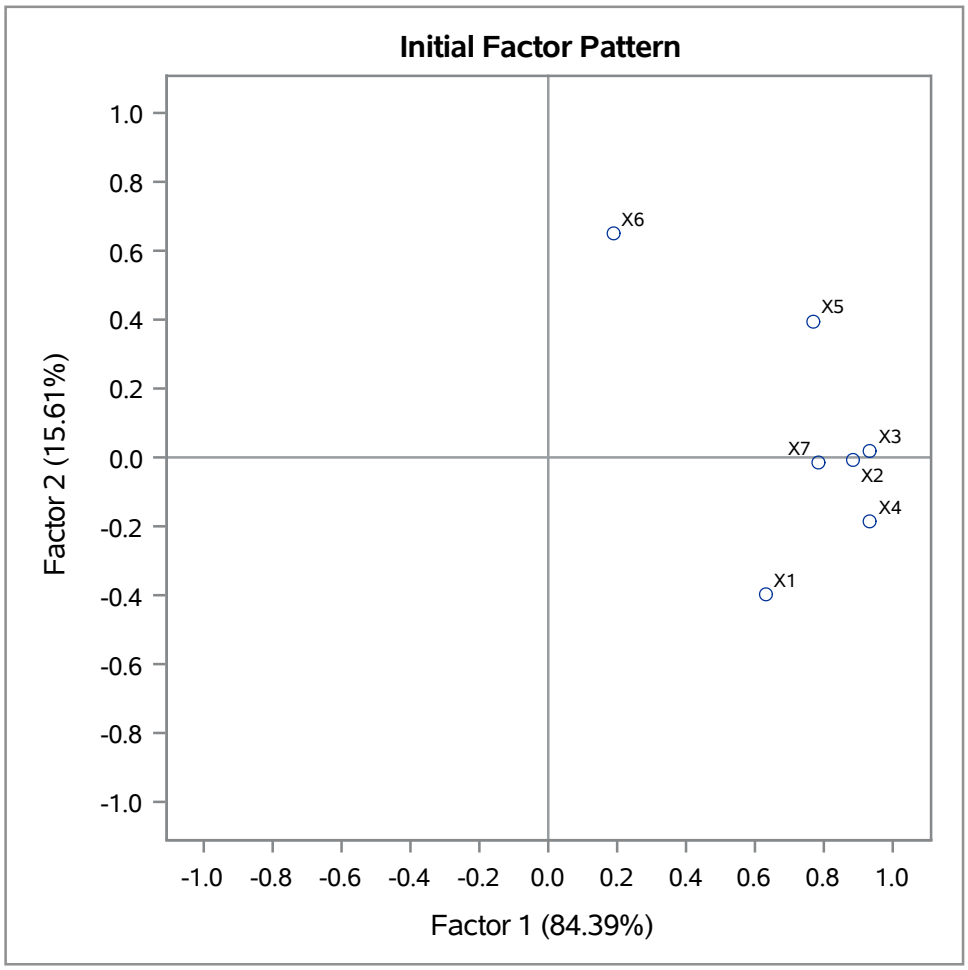
The FACTOR Procedure
Initial Factor Method: Principal Factors

Factor Pattern		
	Factor1	Factor2
X5	0.76971	0.39525
X6	0.18801	0.64898
X7	0.78372	-0.01373

Variance Explained by Each Factor	
Factor1	Factor2
4.1693155	0.7712969

Final Communality Estimates: Total = 4.940612						
X1	X2	X3	X4	X5	X6	X7
0.55899864	0.78308187	0.87214586	0.90677985	0.74867981	0.45652057	0.61440583

The FACTOR Procedure
Initial Factor Method: Principal Factors



The FACTOR Procedure
Rotation Method: Varimax

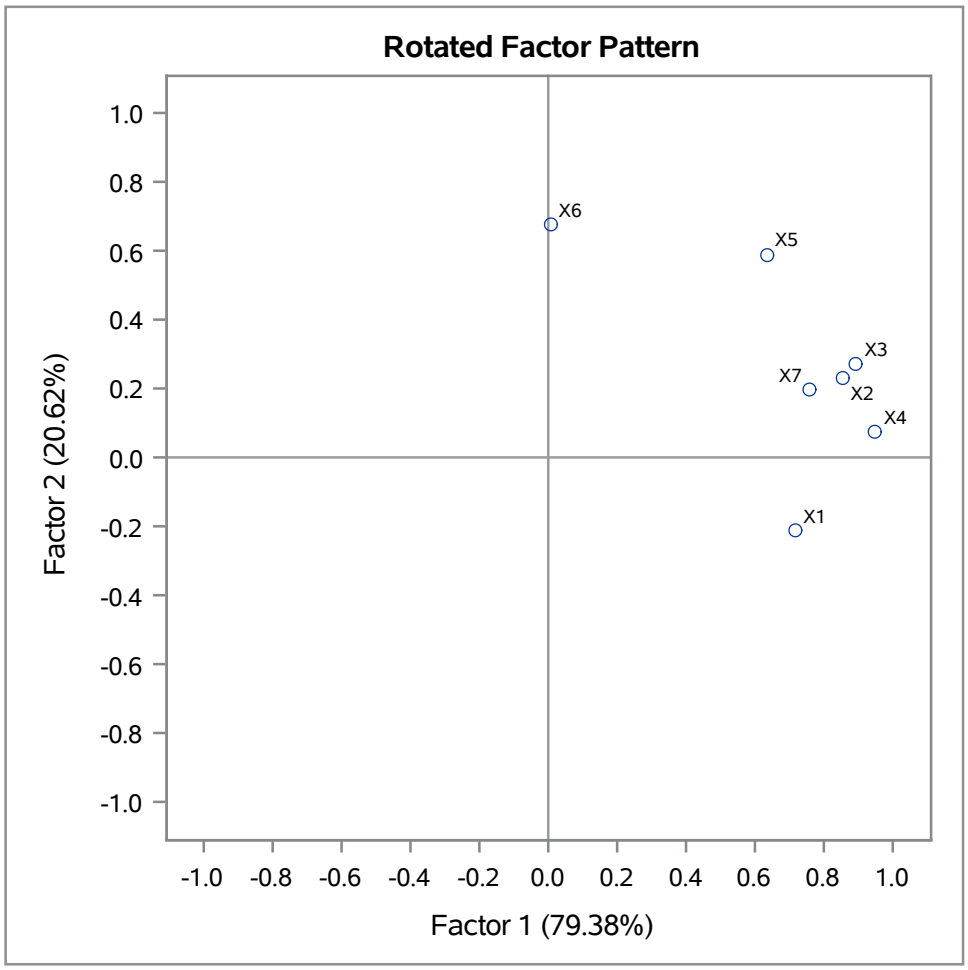
Orthogonal Transformation Matrix		
	1	2
1	0.96288	0.26994
2	-0.26994	0.96288

Rotated Factor Pattern		
	Factor1	Factor2
X1	0.71667	-0.21302
X2	0.85445	0.23022
X3	0.89387	0.27044
X4	0.94941	0.07350
X5	0.63445	0.58835
X6	0.00585	0.67564
X7	0.75833	0.19833

Variance Explained by Each Factor	
Factor1	Factor2
3.9217186	1.0188939

Final Communality Estimates: Total = 4.940612						
X1	X2	X3	X4	X5	X6	X7
0.55899864	0.78308187	0.87214586	0.90677985	0.74867981	0.45652057	0.61440583

The FACTOR Procedure
Rotation Method: Varimax



The FACTOR Procedure
Rotation Method: Varimax