

Obs	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10
1	7.69	7.31	7.47	7.76	7.87	7.51	7.24	7.70	7.91	7.95
2	6.59	5.56	6.21	6.04	5.81	6.64	6.11	6.53	6.44	6.64
3	4.55	4.18	4.36	4.25	4.53	4.60	3.66	4.04	3.68	4.43
4	6.78	6.11	6.30	5.98	5.56	6.37	6.29	5.43	5.32	5.28
5	6.47	6.24	6.02	5.42	5.88	6.00	5.60	4.60	5.40	5.95
6	6.96	6.81	6.91	6.48	6.23	7.09	7.27	7.13	6.86	7.36
7	6.57	5.70	5.89	5.16	5.30	6.07	5.56	4.50	4.92	5.33
8	7.32	6.95	6.02	4.98	4.88	6.82	6.40	5.53	5.61	5.33
9	6.51	6.15	5.51	4.68	4.16	5.17	4.81	4.70	4.86	3.82
10	6.86	6.05	5.85	6.14	6.75	6.71	5.39	5.42	6.03	6.59

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	100
Number of Records Used	100
N for Significance Tests	100

The FACTOR Procedure

Initial Factor Method: Principal Components

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 10 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	6.82795512	5.06608201	0.6828	0.6828
2	1.76187311	1.00742187	0.1762	0.8590
3	0.75445124	0.49207487	0.0754	0.9344
4	0.26237637	0.14082435	0.0262	0.9607
5	0.12155202	0.02358655	0.0122	0.9728
6	0.09796547	0.02586580	0.0098	0.9826
7	0.07209967	0.02801926	0.0072	0.9898
8	0.04408041	0.00832792	0.0044	0.9942
9	0.03575249	0.01385842	0.0036	0.9978
10	0.02189408		0.0022	1.0000

3 factors will be retained by the NFACTOR criterion.

Factor Pattern				
		Factor1	Factor2	Factor3
X01	M(-15)	0.74741	-0.59244	0.16808
X02	M(16-20)	0.86579	-0.31836	0.29190
X03	M(21-30)	0.84491	0.22079	0.38417
X04	M(31-40)	0.78216	0.47602	0.32604
X05	M(41-)	0.68129	0.67325	0.11067
X06	F(-15)	0.80647	-0.54140	-0.07270
X07	F(16-20)	0.89959	-0.33542	-0.14888
X08	F(21-30)	0.90901	-0.04289	-0.25110
X09	F(31-40)	0.90316	0.21817	-0.27989
X10	F(41-)	0.79262	0.35477	-0.45389

Variance Explained by Each Factor		
Factor1	Factor2	Factor3
6.8279551	1.7618731	0.7544512

Final Communality Estimates: Total = 9.344279									
X01	X02	X03	X04	X05	X06	X07	X08	X09	X10
0.93786990	0.93615660	0.91021020	0.94467297	0.92966229	0.94880526	0.94393897	0.89119742	0.94163724	0.96012863

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor			
	Factor1	Factor2	Factor3
	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients				
		Factor1	Factor2	Factor3
X01	M(-15)	0.10946	-0.33626	0.22279
X02	M(16-20)	0.12680	-0.18069	0.38691
X03	M(21-30)	0.12374	0.12531	0.50920
X04	M(31-40)	0.11455	0.27018	0.43215
X05	M(41-)	0.09978	0.38212	0.14670
X06	F(-15)	0.11811	-0.30729	-0.09636
X07	F(16-20)	0.13175	-0.19038	-0.19733
X08	F(21-30)	0.13313	-0.02434	-0.33282
X09	F(31-40)	0.13227	0.12383	-0.37099
X10	F(41-)	0.11609	0.20136	-0.60162



