

The FACTOR Procedure

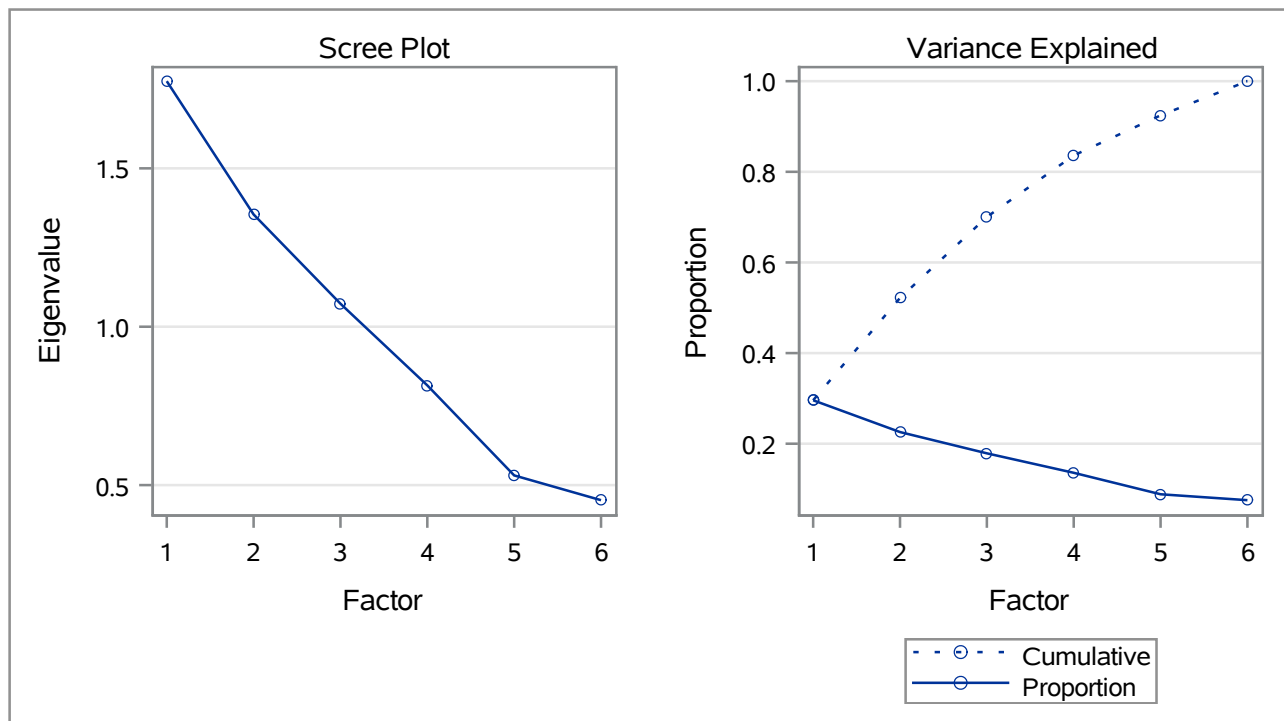
Input Data Type	Raw Data
Number of Records Read	40
Number of Records Used	40
N for Significance Tests	40

The FACTOR Procedure
Initial Factor Method: Principal Components

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 6 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	1.77512769	0.42071182	0.2959	0.2959
2	1.35441587	0.28176535	0.2257	0.5216
3	1.07265052	0.25785471	0.1788	0.7004
4	0.81479582	0.28418301	0.1358	0.8362
5	0.53061281	0.07821551	0.0884	0.9246
6	0.45239730		0.0754	1.0000

3 factors will be retained by the NFACTOR criterion.



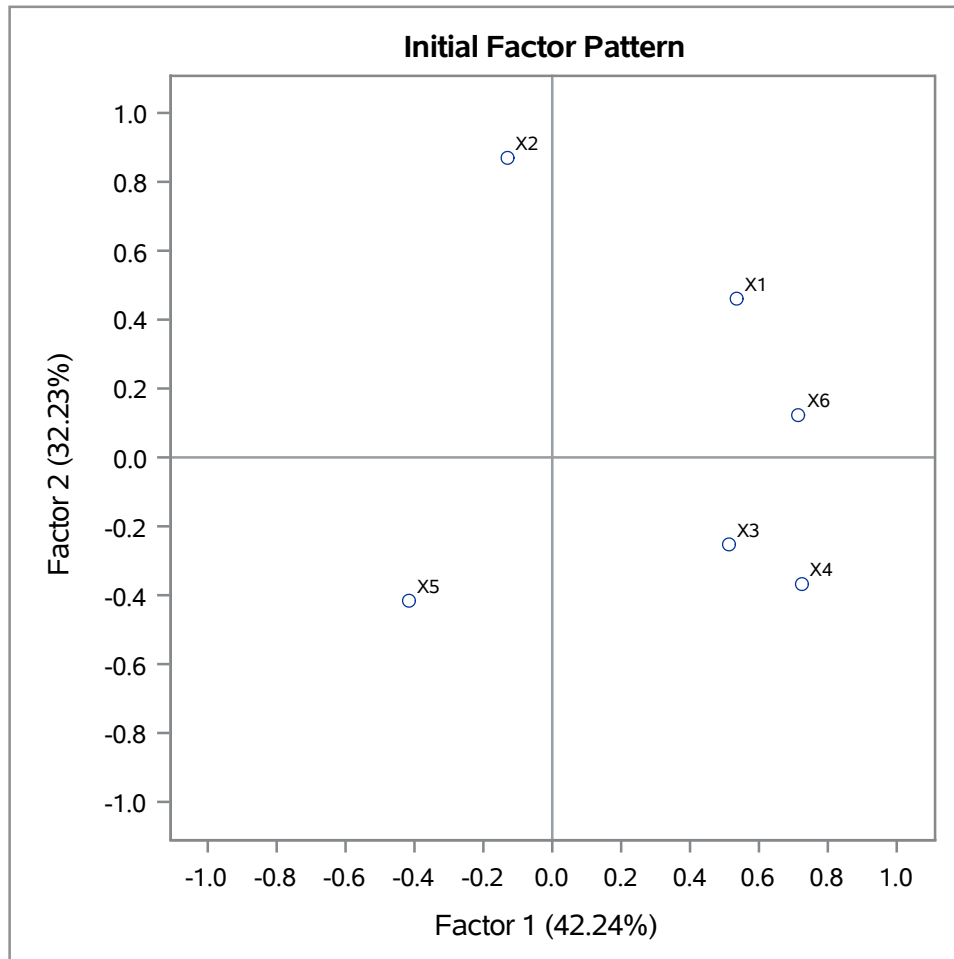
Factor Pattern			
	Factor1	Factor2	Factor3
X1	0.53612	0.46140	0.47826
X2	-0.12945	0.86962	-0.18155
X3	0.51350	-0.25389	-0.44841
X4	0.72391	-0.36597	-0.11031
X5	-0.41554	-0.41424	0.64920
X6	0.71452	0.12367	0.41982

The FACTOR Procedure
Initial Factor Method: Principal Components

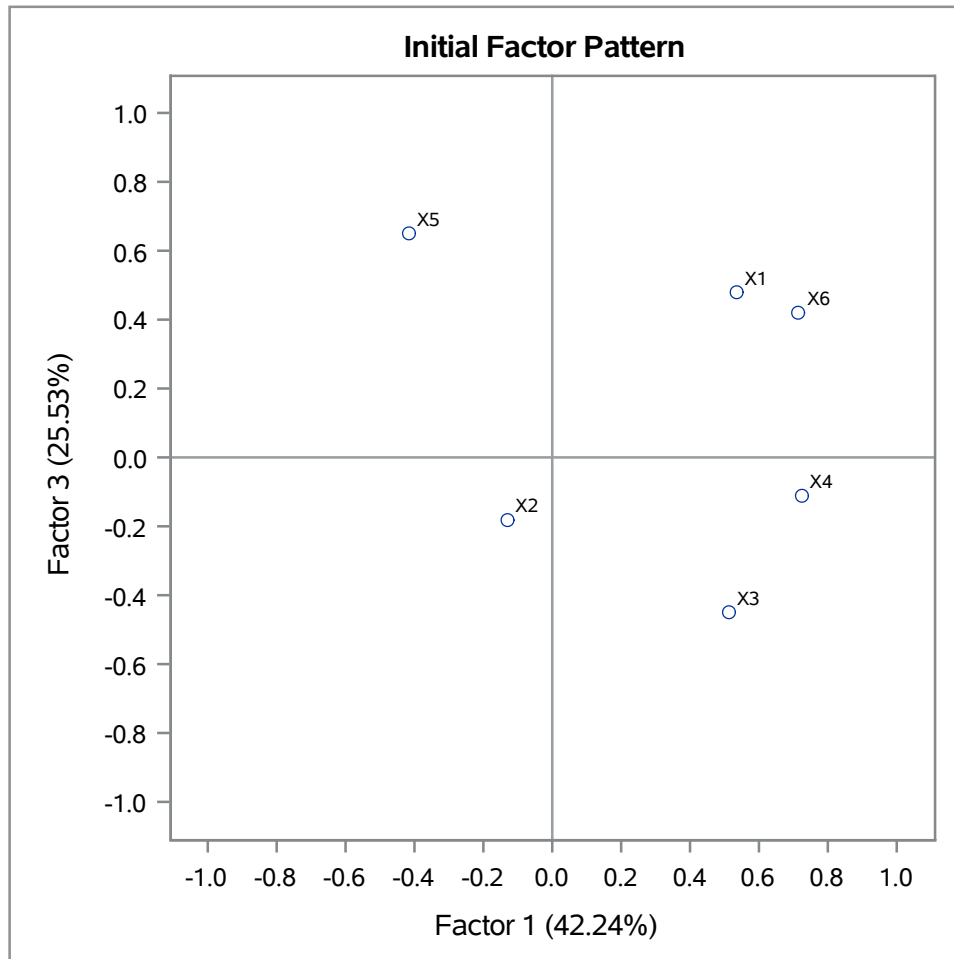
Variance Explained by Each Factor		
Factor1	Factor2	Factor3
1.7751277	1.3544159	1.0726505

Final Communality Estimates: Total = 4.202194					
X1	X2	X3	X4	X5	X6
0.72905685	0.80595890	0.52921335	0.67014233	0.76573408	0.70208857

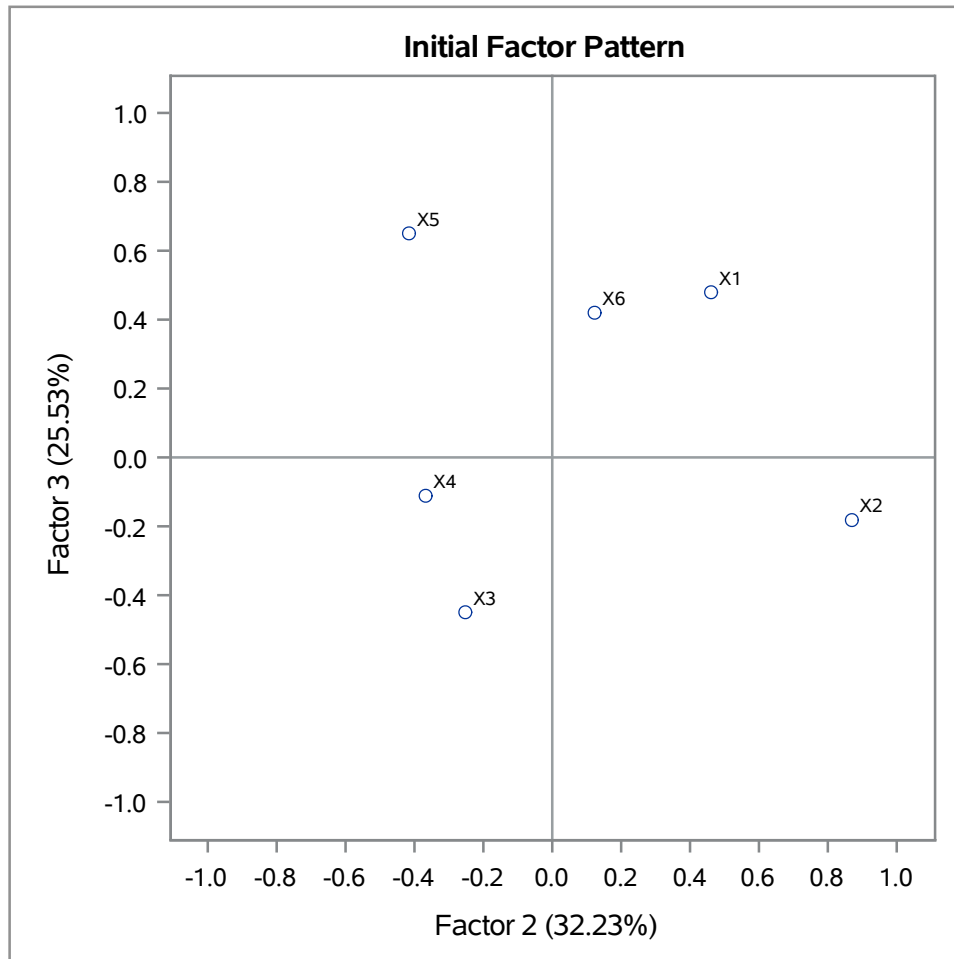
The FACTOR Procedure
Initial Factor Method: Principal Components



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Initial Factor Method: Principal Components



The FACTOR Procedure
Rotation Method: Varimax

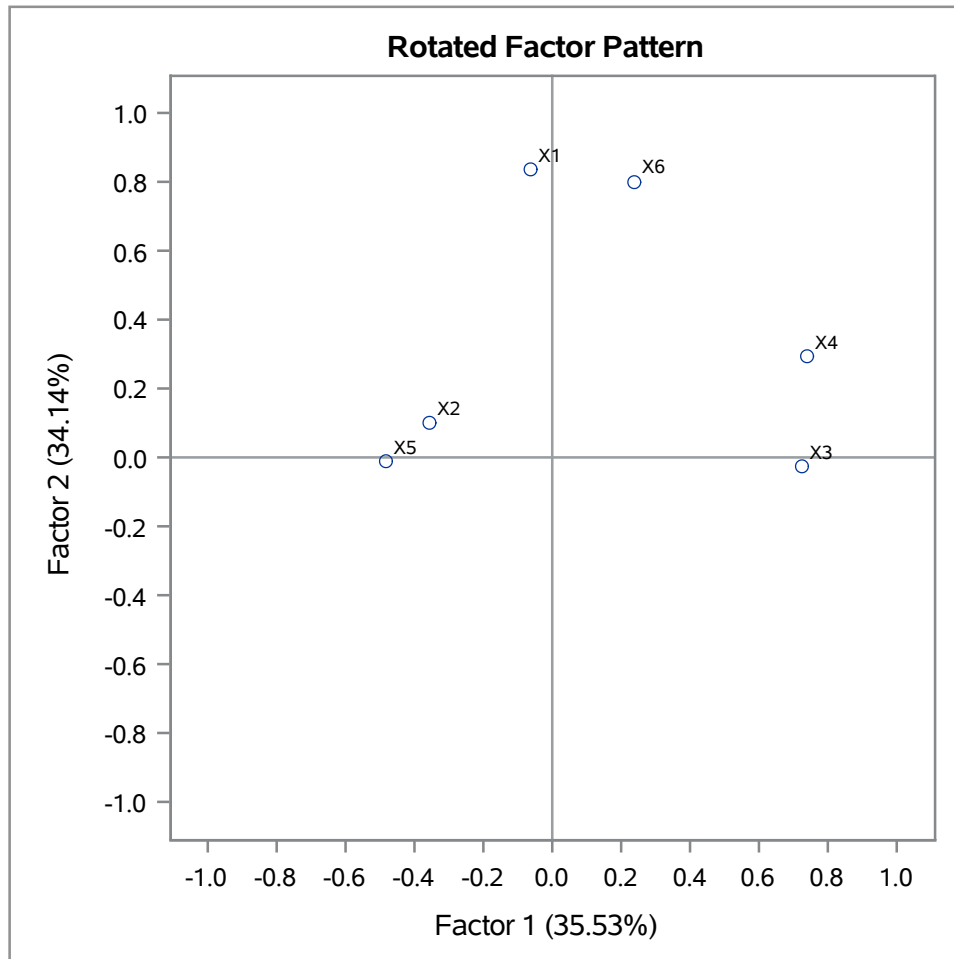
Orthogonal Transformation Matrix			
	1	2	3
1	0.72707	0.68234	0.07603
2	-0.41710	0.35103	0.83833
3	-0.54534	0.64124	-0.53983

Rotated Factor Pattern			
	Factor1	Factor2	Factor3
X1	-0.06347	0.83447	0.16939
X2	-0.35783	0.10052	0.81720
X3	0.72378	-0.02628	0.06826
X4	0.73913	0.29475	-0.19222
X5	-0.48338	-0.01266	-0.72932
X6	0.23898	0.80017	-0.06863

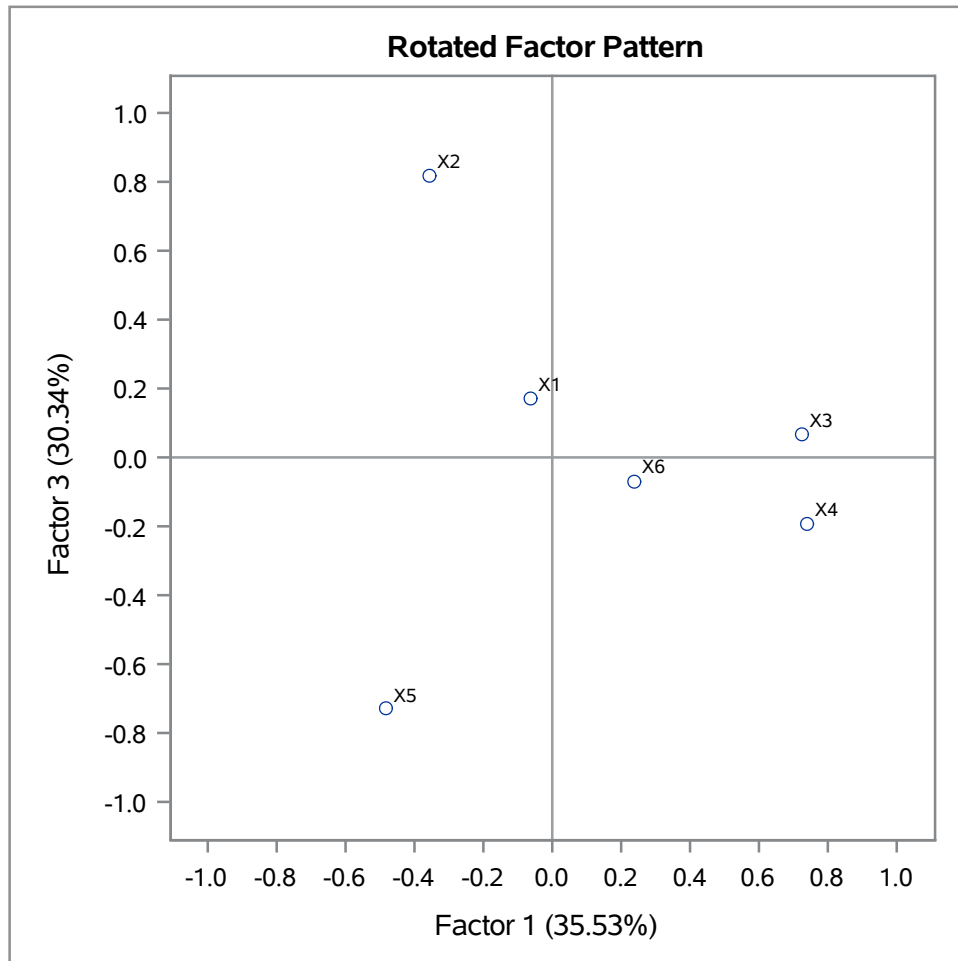
Variance Explained by Each Factor		
Factor1	Factor2	Factor3
1.4930209	1.4344375	1.2747357

Final Communality Estimates: Total = 4.202194					
X1	X2	X3	X4	X5	X6
0.72905685	0.80595890	0.52921335	0.67014233	0.76573408	0.70208857

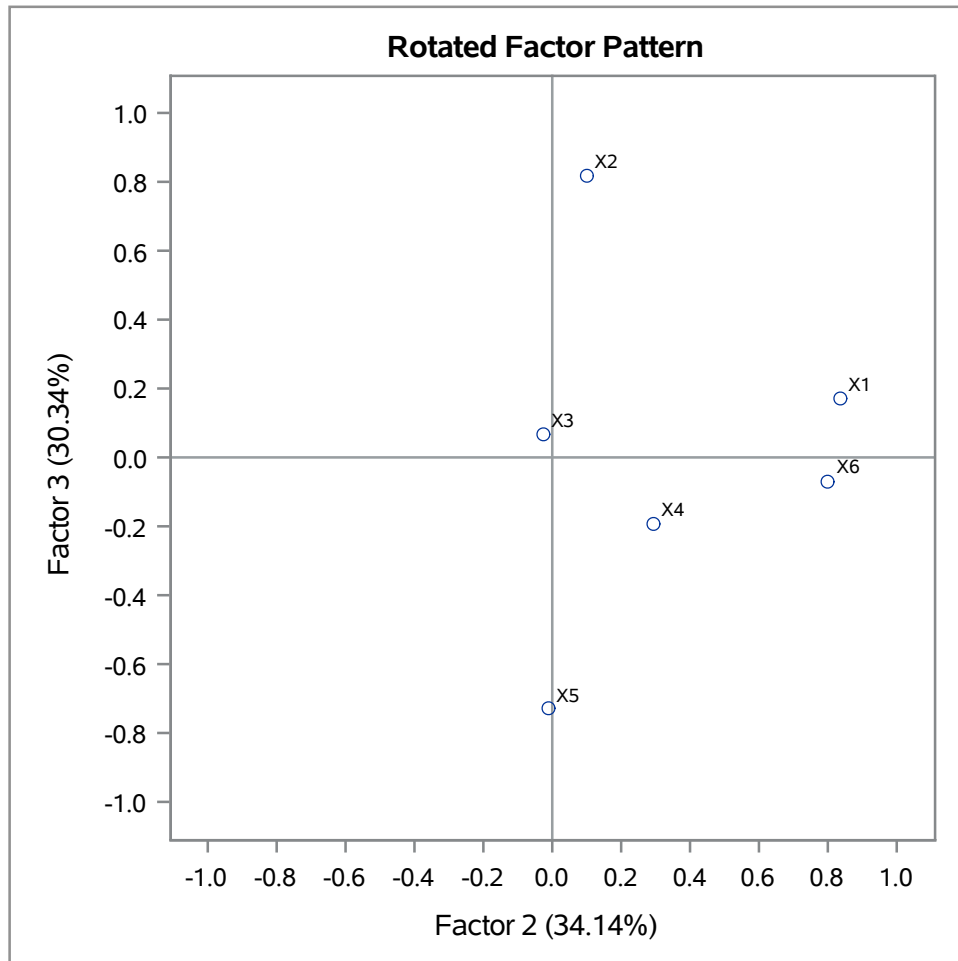
The FACTOR Procedure
Rotation Method: Varimax



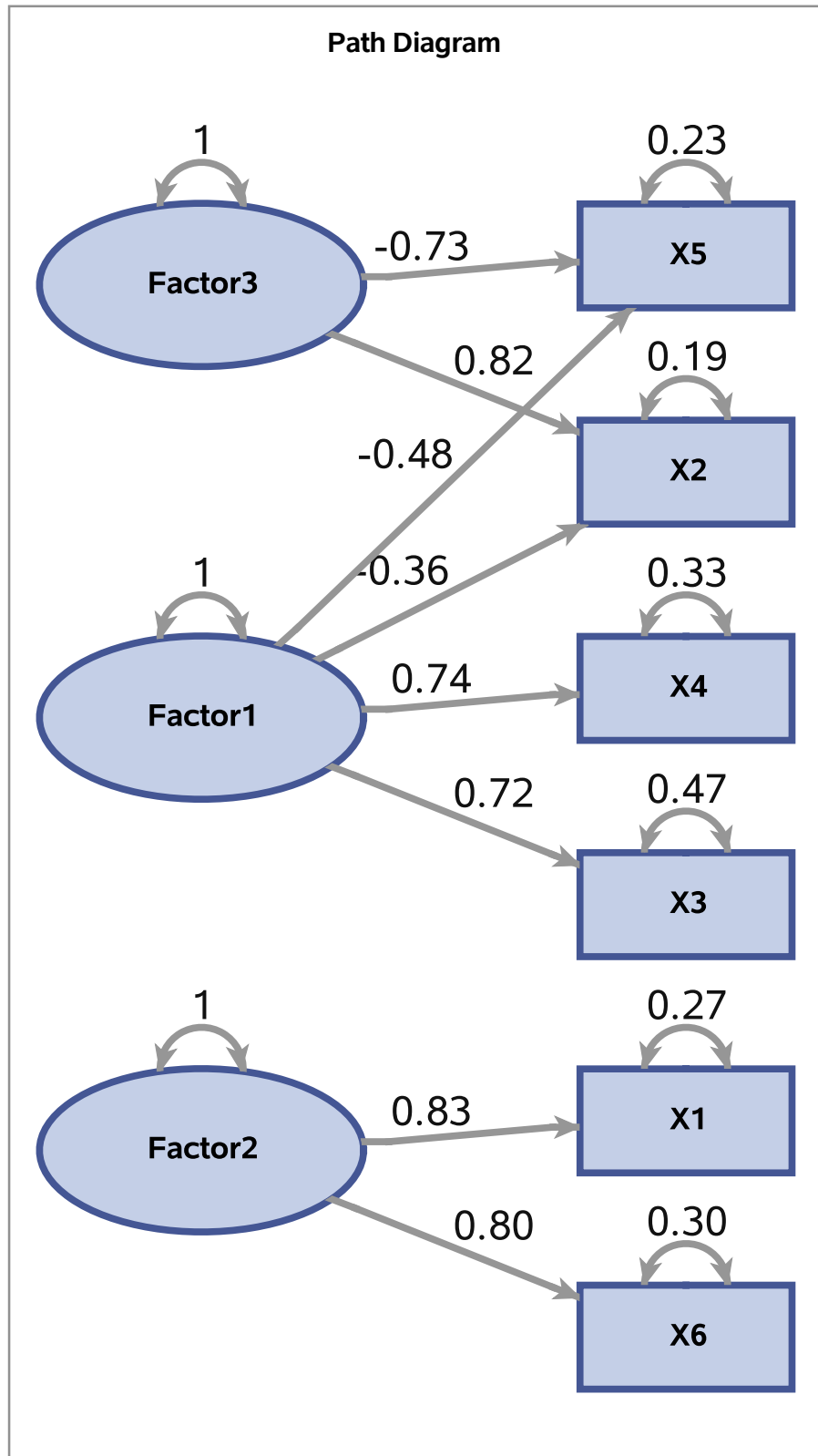
The FACTOR Procedure
Rotation Method: Varimax



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Rotation Method: Varimax



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The FACTOR Procedure

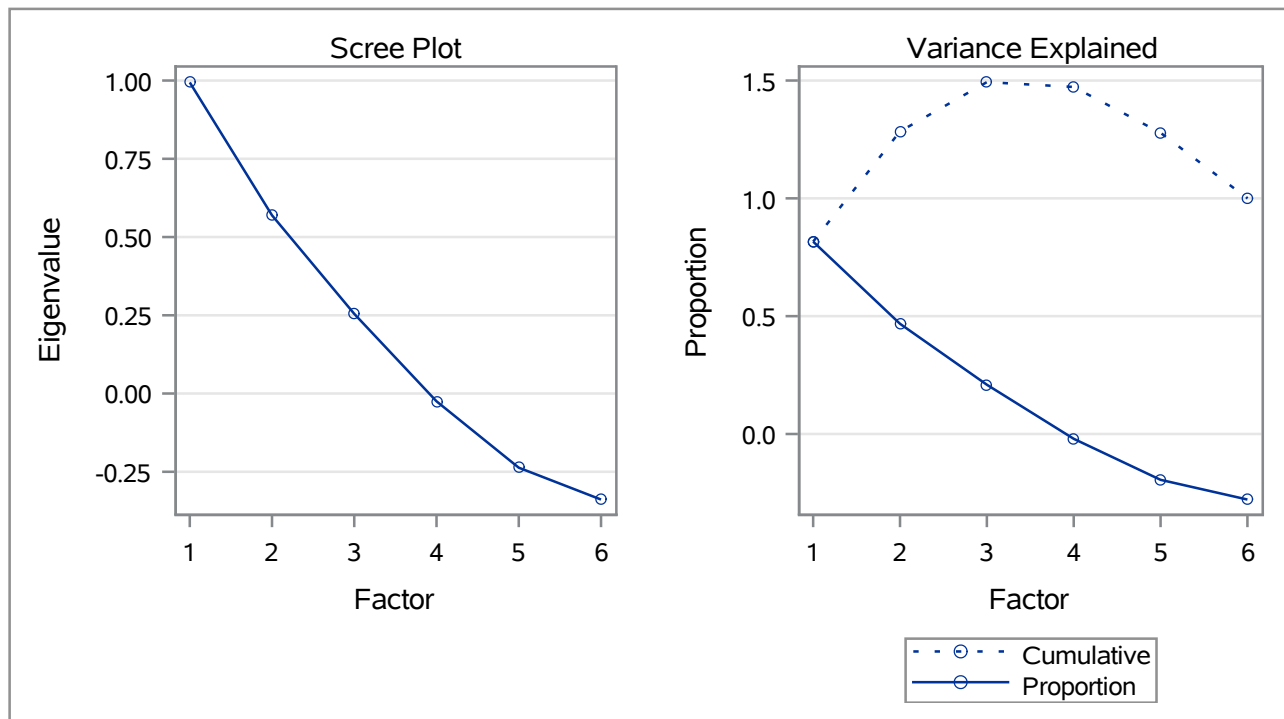
Input Data Type	Raw Data
Number of Records Read	40
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The FACTOR Procedure
Initial Factor Method: Principal Factors

Prior Communality Estimates: SMC					
X1	X2	X3	X4	X5	X6
0.21487089	0.22544457	0.11336635	0.25496073	0.16075972	0.24808134

Eigenvalues of the Reduced Correlation Matrix: Total = 1.2174836 Average = 0.20291393				
	Eigenvalue	Difference	Proportion	Cumulative
1	0.99395196	0.42452842	0.8164	0.8164
2	0.56942354	0.31485411	0.4677	1.2841
3	0.25456943	0.27944141	0.2091	1.4932
4	-.02487198	0.21200335	-0.0204	1.4728
5	-.23687534	0.10183867	-0.1946	1.2782
6	-.33871400		-0.2782	1.0000

3 factors will be retained by the NFACTOR criterion.



Factor Pattern			
	Factor1	Factor2	Factor3
X1	0.40292	0.31201	0.22658
X2	-0.10624	0.56866	-0.10018
X3	0.34267	-0.13858	-0.19721
X4	0.55861	-0.24673	-0.08970

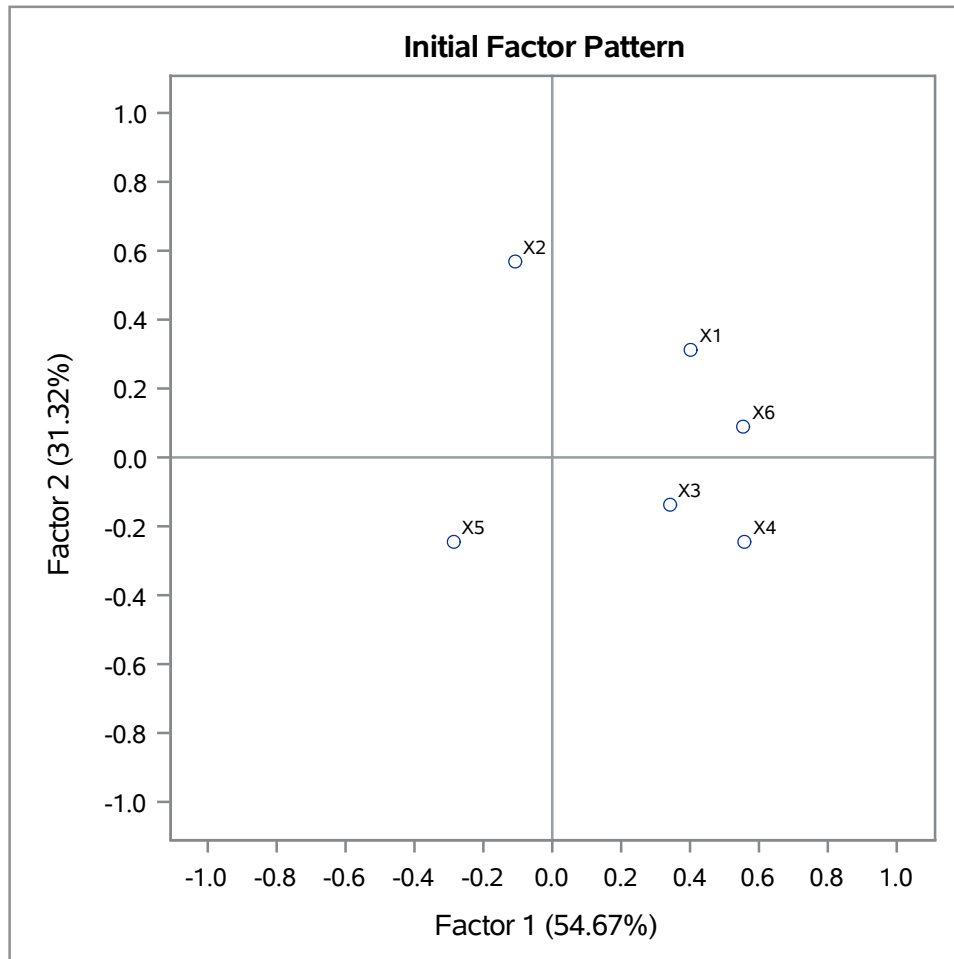
The FACTOR Procedure
Initial Factor Method: Principal Factors

Factor Pattern			
	Factor1	Factor2	Factor3
X5	-0.28641	-0.24640	0.32767
X6	0.55571	0.08897	0.19721

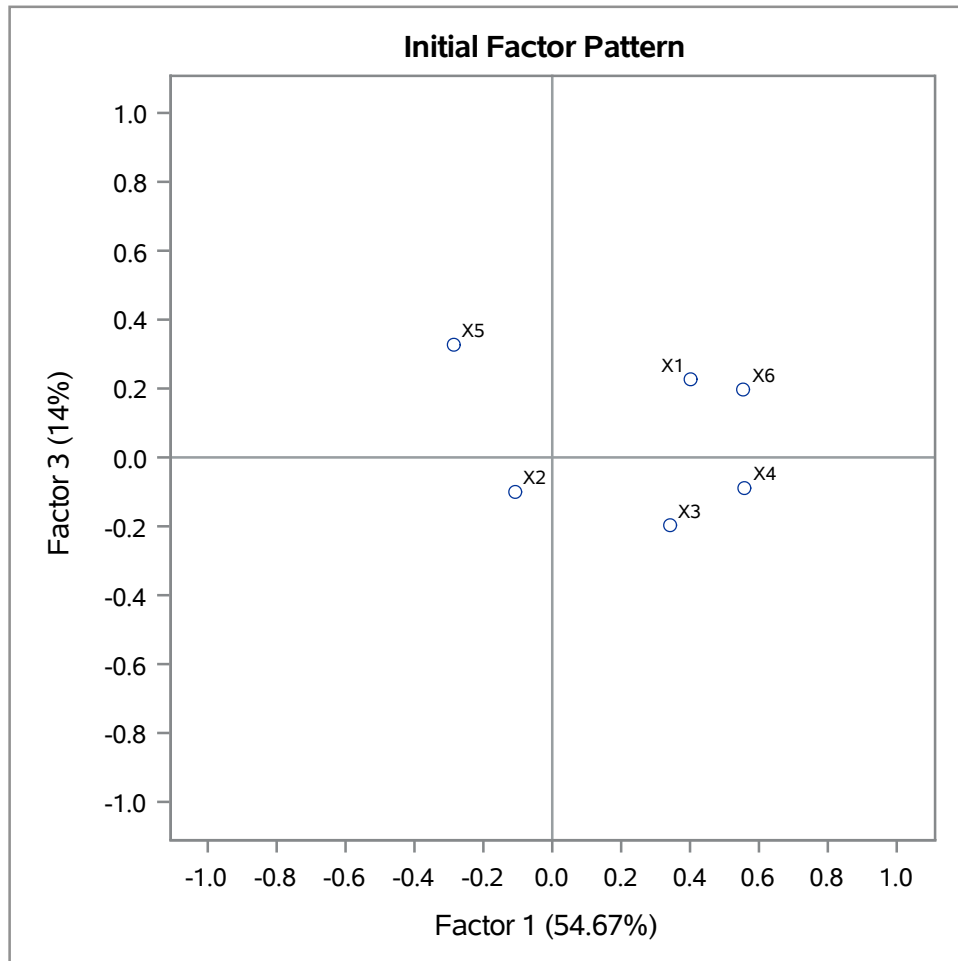
Variance Explained by Each Factor		
Factor1	Factor2	Factor3
0.99395196	0.56942354	0.25456943

Final Communality Estimates: Total = 1.817945					
X1	X2	X3	X4	X5	X6
0.31103433	0.34469386	0.17551746	0.38096675	0.25010590	0.35562663

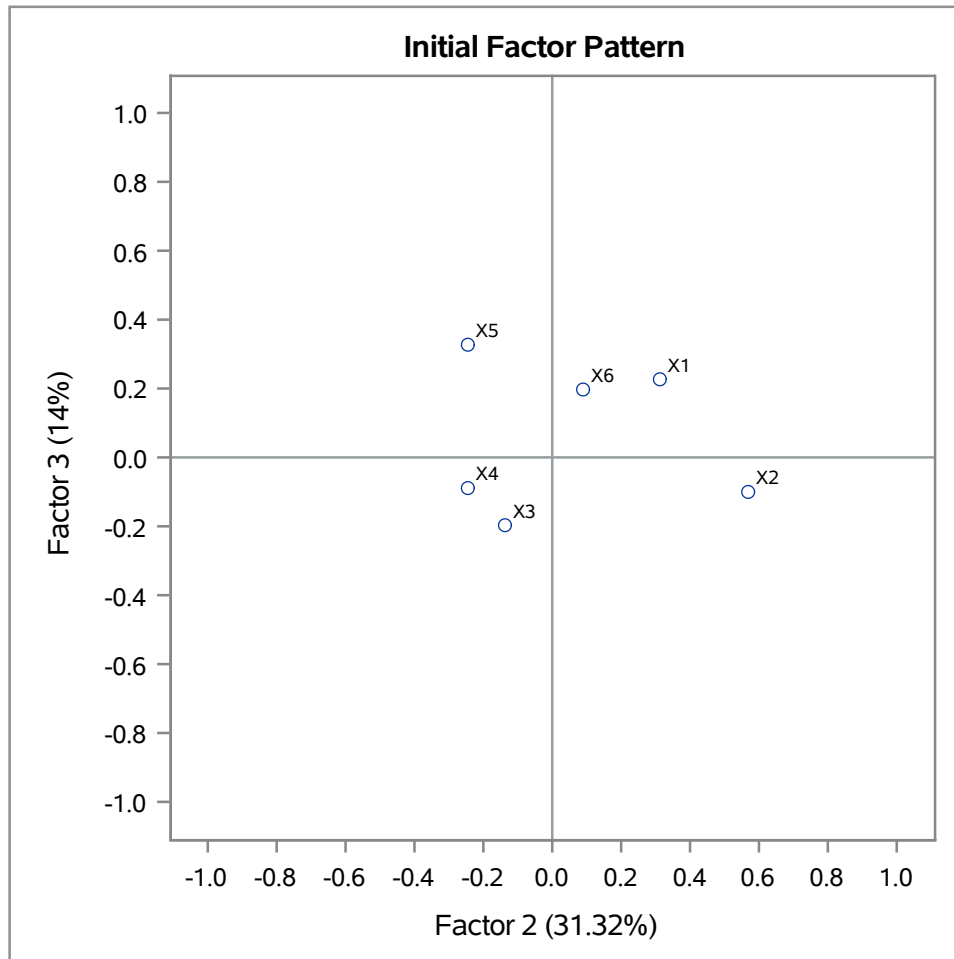
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Initial Factor Method: Principal Factors



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Initial Factor Method: Principal Factors



The FACTOR Procedure
Rotation Method: Varimax

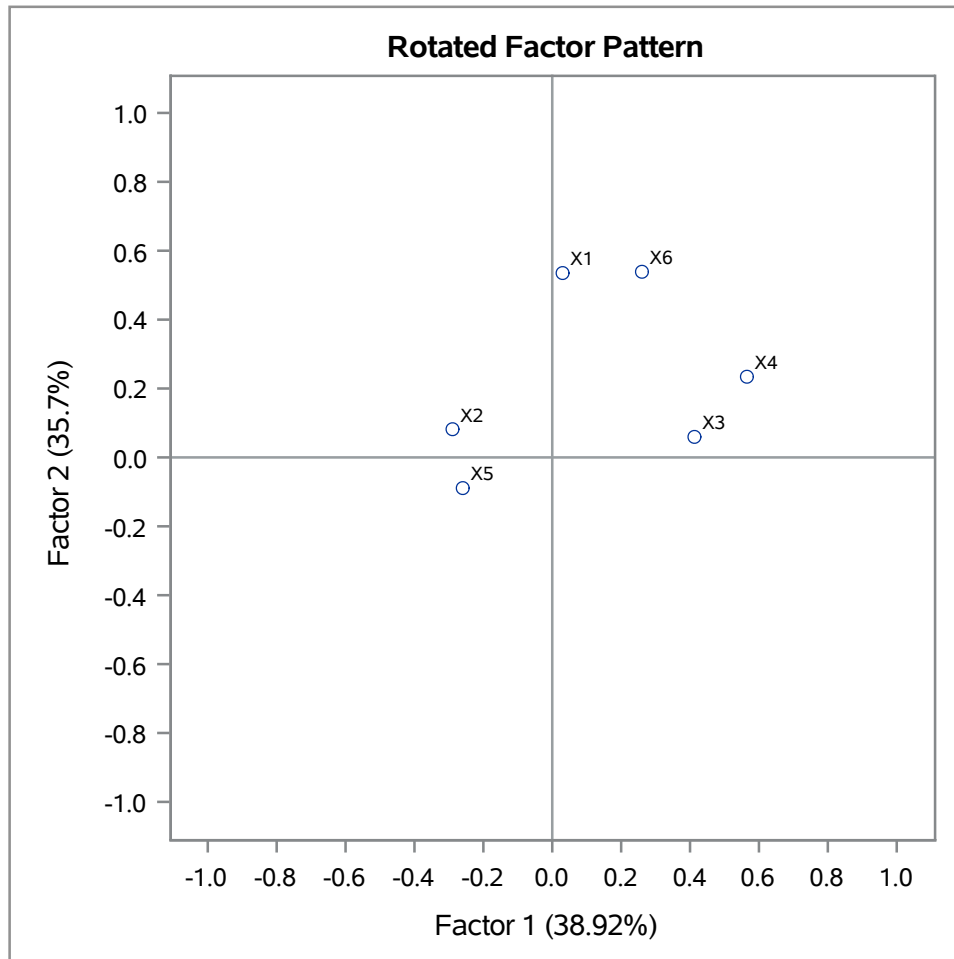
Orthogonal Transformation Matrix			
	1	2	3
1	0.72184	0.68616	0.09013
2	-0.46399	0.38321	0.79867
3	-0.51348	0.61833	-0.59499

Rotated Factor Pattern			
	Factor1	Factor2	Factor3
X1	0.02973	0.53614	0.15069
X2	-0.28910	0.08307	0.50419
X3	0.41291	0.06009	0.03754
X4	0.56377	0.23329	-0.09333
X5	-0.26067	-0.08834	-0.41756
X6	0.25859	0.53735	0.00381

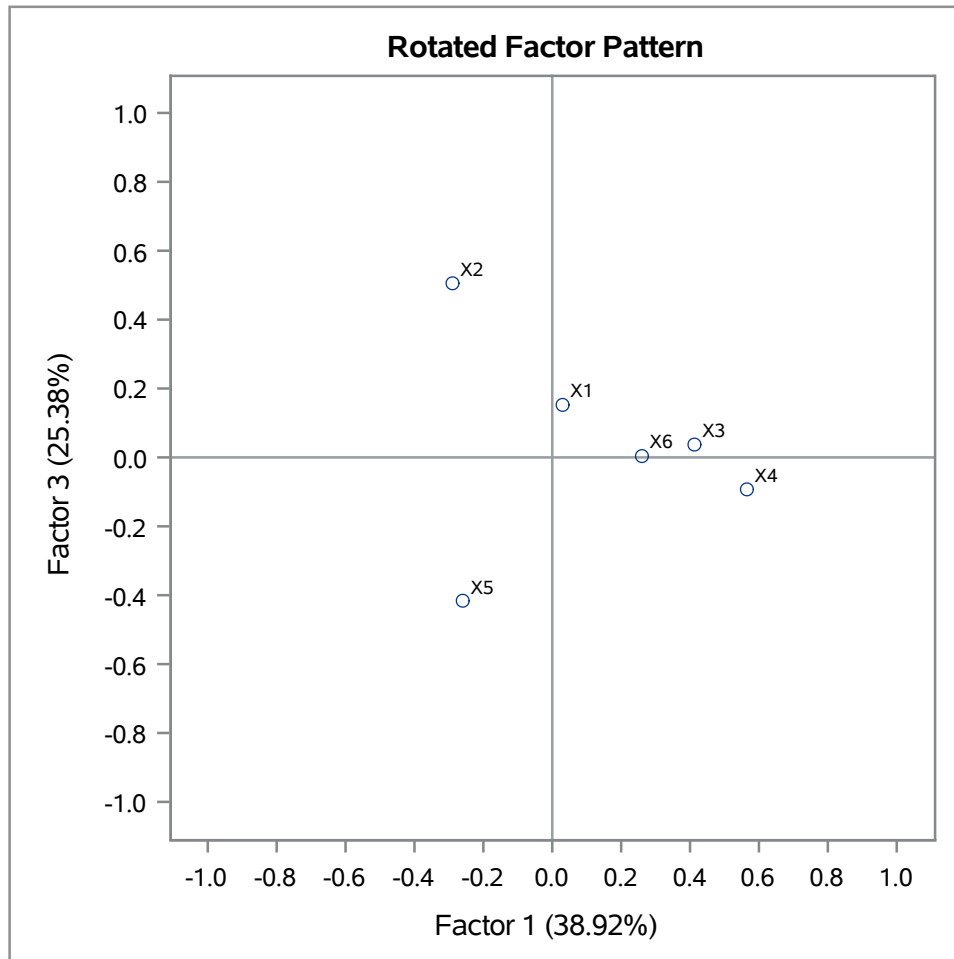
Variance Explained by Each Factor		
Factor1	Factor2	Factor3
0.70761307	0.64892094	0.46141092

Final Communality Estimates: Total = 1.817945					
X1	X2	X3	X4	X5	X6
0.31103433	0.34469386	0.17551746	0.38096675	0.25010590	0.35562663

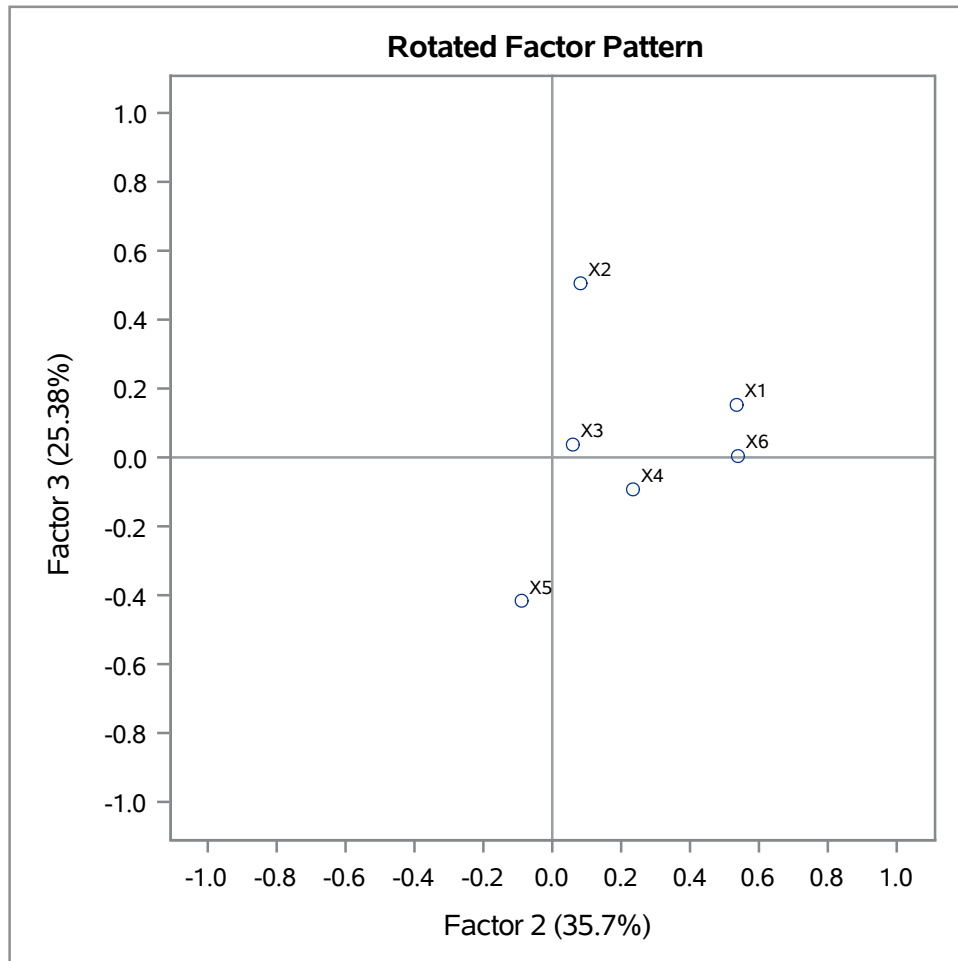
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