

Factor Analysis

[DataSet1] \\Client\K\$\PSYC\Oberlin_Lab\2. Projects, Collaborations, and Grants\0. Projects\Iris\FRAP neuroimaging paper\PCA\PCA_8variables_data.sav

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.517
Bartlett's Test of Sphericity	Approx. Chi-Square	19.475
	df	28
	Sig.	.883

Communalities

	Initial	Extraction
Delta_ConfidenceRecovery	1.000	.831
Delta_LikelyRelapse30Days	1.000	.740
Delta_LikelyRelapse1yr	1.000	.707
Delta_RecoveryImportance	1.000	.619
Delta_Craving	1.000	.726
Delta_FutSim	1.000	.355
Delta_FutConn	1.000	.567
Delta_AUC	1.000	.485

Extraction Method: Principal Component Analysis.

Total Variance Explained

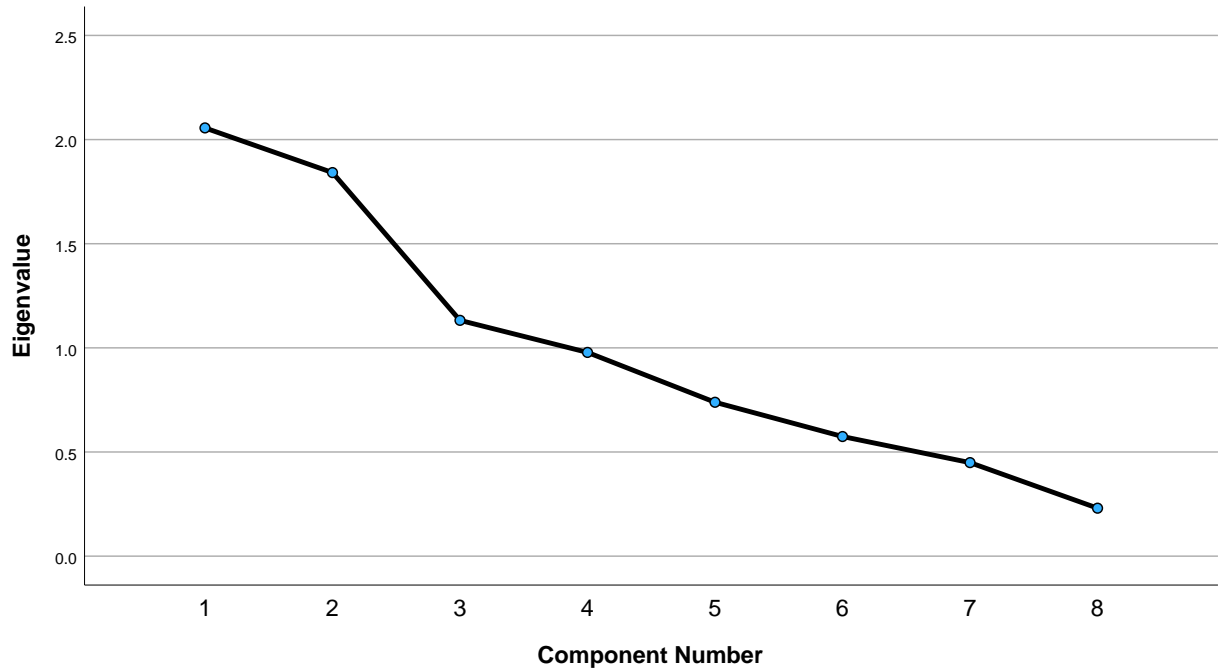
Component	Total	Initial Eigenvalues		Extraction Sums of Squared Loadings		
		% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.056	25.699	25.699	2.056	25.699	25.699
2	1.842	23.019	48.719	1.842	23.019	48.719
3	1.132	14.151	62.870	1.132	14.151	62.870
4	.978	12.226	75.096			
5	.739	9.235	84.331			
6	.574	7.179	91.509			
7	.449	5.613	97.122			
8	.230	2.878	100.000			

Total Variance Explained

Component	Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %
1	1.991	24.889	24.889
2	1.715	21.441	46.330
3	1.323	16.539	62.870
4			
5			
6			
7			
8			

Extraction Method: Principal Component Analysis.

Scree Plot



Component Matrix^a

	Component		
	1	2	3
Delta_ConfidenceRecovery	.798	-.262	-.354
Delta_LikelyRelapse30Days	-.784	.350	.055
Delta_LikelyRelapse1yr	-.496	.519	-.437
Delta_RecoveryImportance	-.482	-.617	.074
Delta_Craving	.395	.629	-.417
Delta_FutSim	.304	.329	.393
Delta_FutConn	.273	.238	.660
Delta_AUC	.045	.663	.206

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Rotated Component Matrix^a

	Component		
	1	2	3
Delta_ConfidenceRecovery	-.862	.260	-.142
Delta_LikelyRelapse30Days	.855	-.044	-.083
Delta_LikelyRelapse1yr	.627	.432	-.358
Delta_RecoveryImportance	.128	-.709	-.315
Delta_Craving	-.089	.847	-.008
Delta_FutSim	-.055	.192	.561
Delta_FutConn	-.039	-.018	.752
Delta_AUC	.309	.449	.434

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

Component Transformation Matrix

Component	1	2	3
1	-.866	.379	.328
2	.485	.797	.360
3	.125	-.470	.874

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.