

CHAPTER 5: PRINCIPAL COMPONENTS ANALYSIS

Analysis of social mobility data

6 Components

Communalities

	Initial	Extraction
X1	1.000	.965
X2	1.000	.995
X3	1.000	.753
X4	1.000	.801
X5	1.000	.762
X6	1.000	.807
X7	1.000	.741
X8	1.000	.716
X9	1.000	.816
X10	1.000	.786

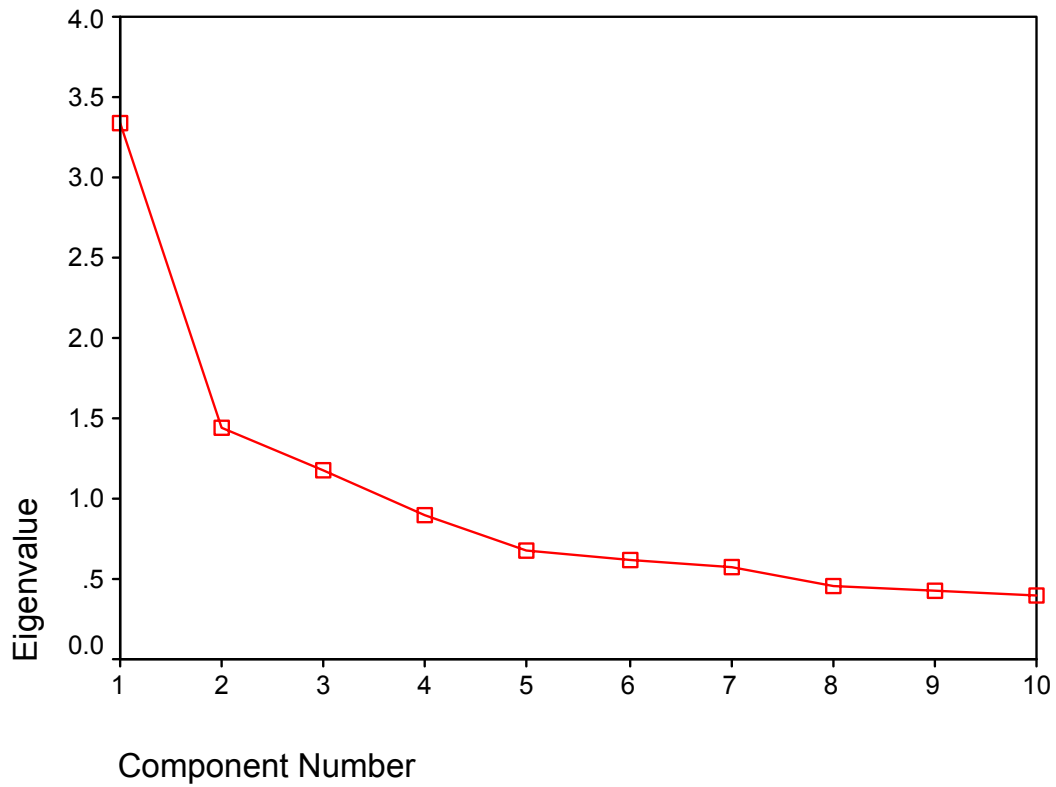
Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.342	33.422	33.422	3.342	33.422	33.422
2	1.437	14.367	47.788	1.437	14.367	47.788
3	1.173	11.733	59.521	1.173	11.733	59.521
4	.890	8.904	68.425	.890	8.904	68.425
5	.682	6.821	75.246	.682	6.821	75.246
6	.616	6.165	81.411	.616	6.165	81.411
7	.566	5.662	87.073			
8	.461	4.613	91.685			
9	.433	4.330	96.015			
10	.398	3.985	100.000			

Extraction Method: Principal Component Analysis.

Scree Plot



Component Matrix^a

	Component					
	1	2	3	4	5	6
X1	.495	.563	.152	6.924E-02	6.427E-02	.609
X2	.482	.524	7.831E-02	-9.14E-03	.604	-.342
X3	.675	-.130	.112	-.505	-9.22E-02	-6.06E-02
X4	.622	-.398	5.954E-02	-.496	6.604E-02	3.032E-02
X5	.617	.486	6.655E-02	-.134	-.341	-8.05E-02
X6	.514	-.235	.519	.437	-6.58E-02	-.150
X7	.514	-.413	.494	.213	6.255E-02	.113
X8	.646	-.190	-.435	.268	2.749E-02	-3.33E-02
X9	.525	-.349	-.560	.108	.228	.203
X10	.649	.221	-.328	.214	-.351	-.201

Extraction Method: Principal Component Analysis.

a. 6 components extracted.