
Table of Contents

Řešení cvičení 2.2	1
Simulovaná data - DCA, PCA, CA	1
DCA	1
PCA	1
CA	2

Řešení cvičení 2.2

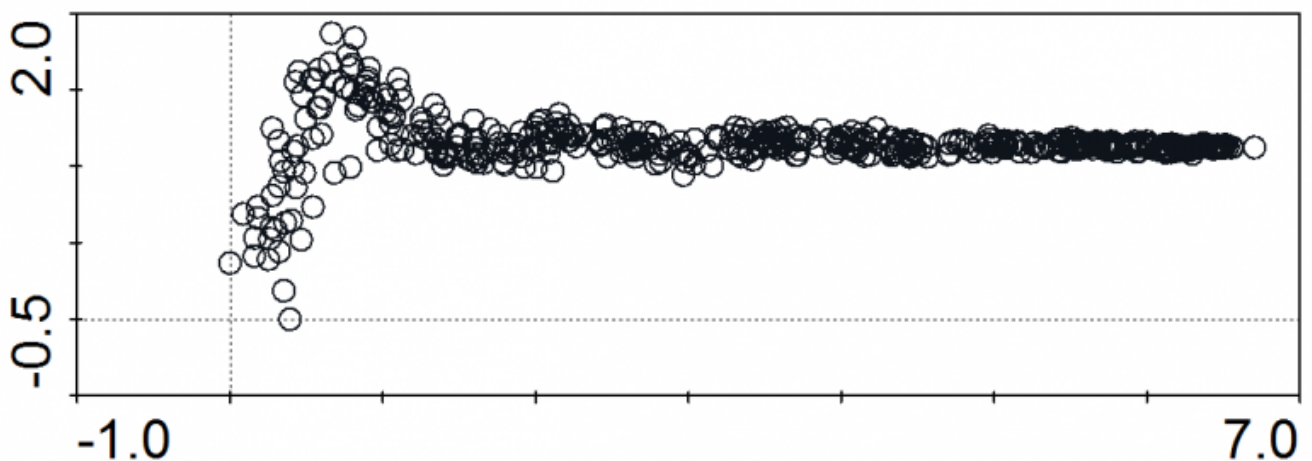
Simulovaná data - DCA, PCA, CA

DCA

Analysis 'Unconstrained'
Method: DCA
Total variation is 5.97172

Summary Table:

Statistic	Axis 1	Axis 2	Axis 3	Axis 4	
Eigenvalues	0.7818	0.0766	0.0570	0.0468	
Explained variation (cumulative)		13.09	14.37	15.33	16.11
Gradient length	6.70	1.87	1.62	1.47	



PCA

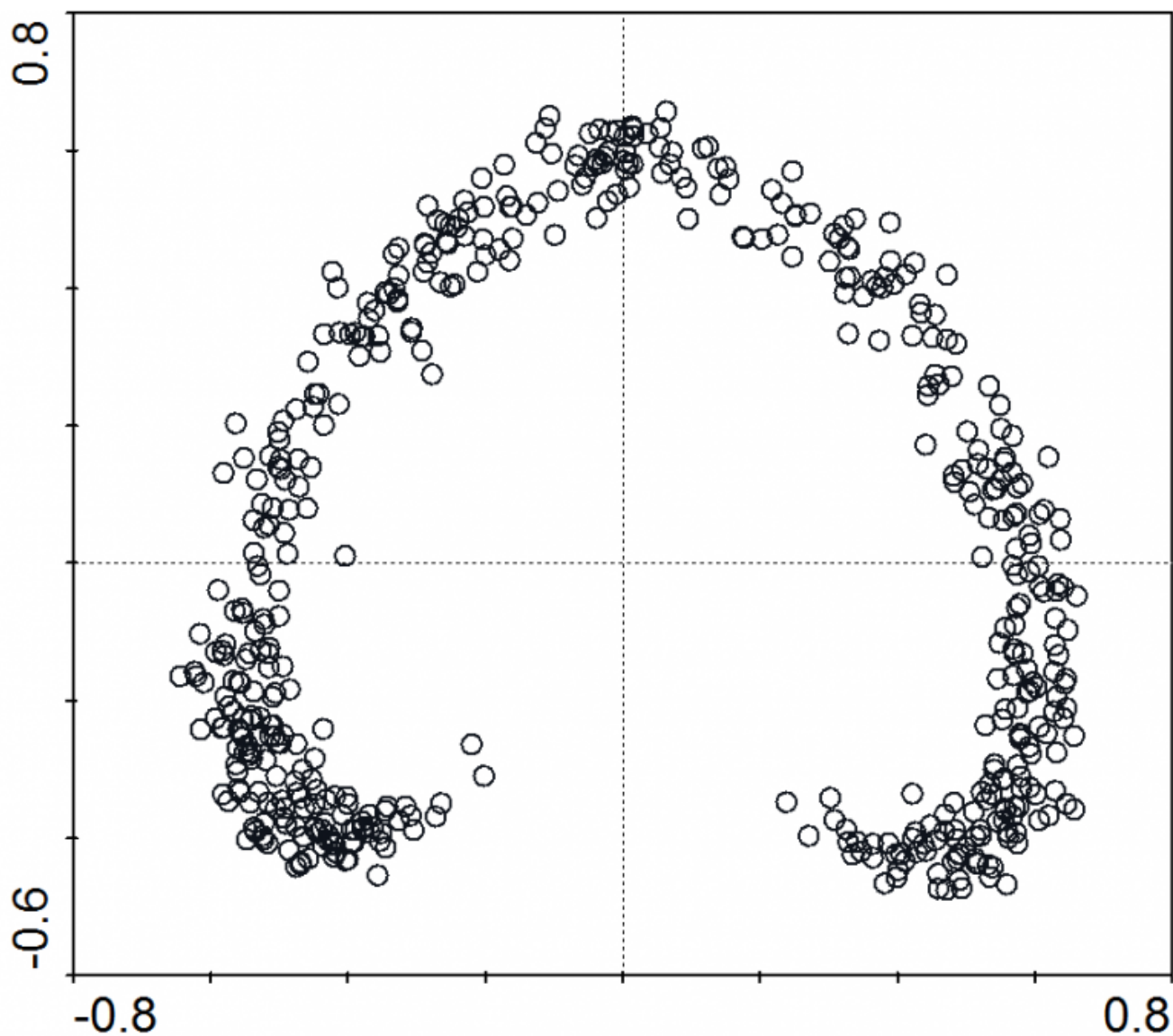
Analysis 'Unconstrained'

Method: PCA

Total variation is 16276.722

Summary Table:

Statistic	Axis 1	Axis 2	Axis 3	Axis 4
Eigenvalues	0.2068	0.1313	0.0498	0.0282
Explained variation (cumulative)	20.68	33.81	38.79	41.61



Artefakt: podkova (horse-shoe)

CA

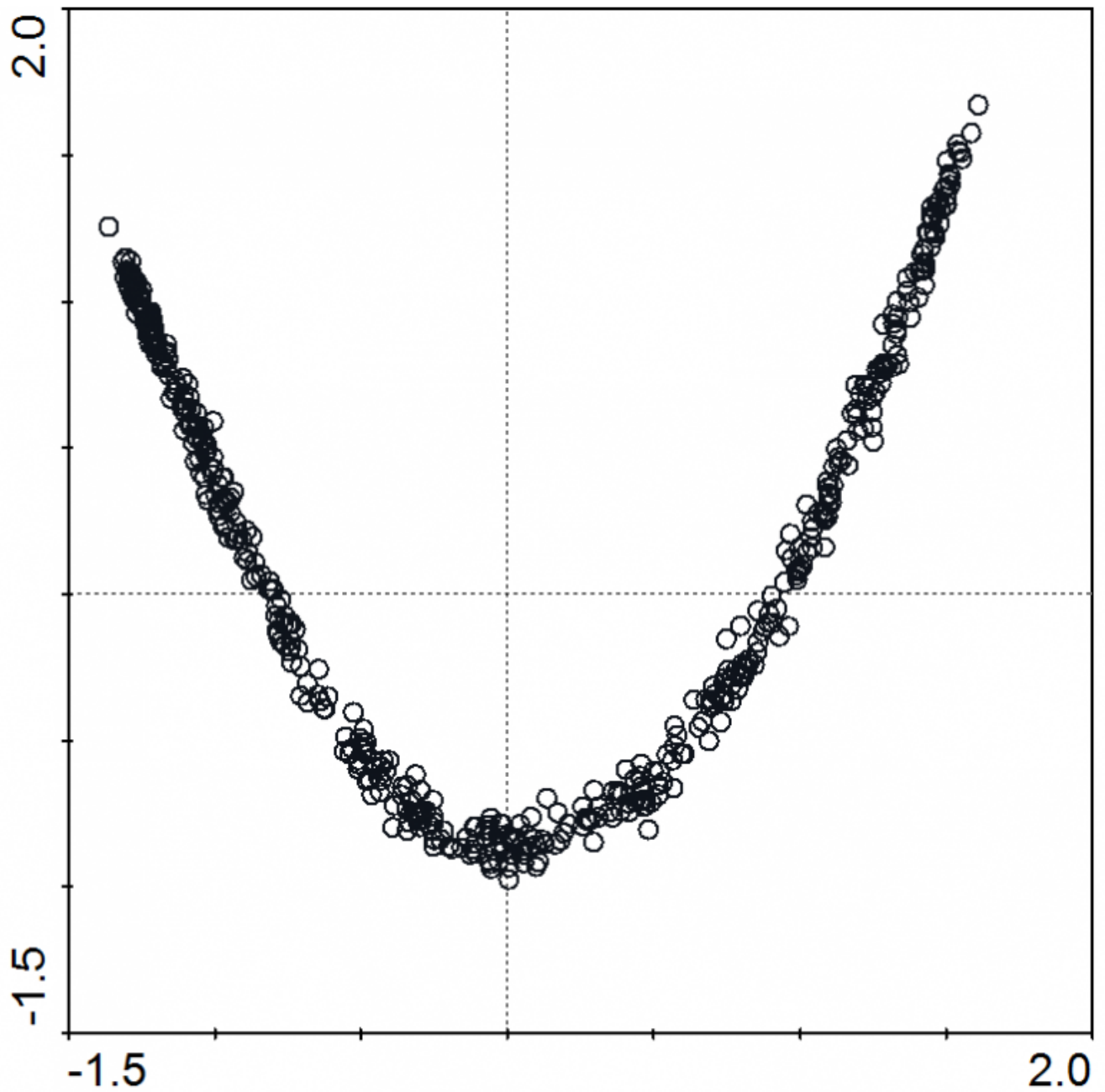
Analysis 'Unconstrained'

Method: CA

Total variation is 5.97172

Summary Table:

Statistic	Axis 1	Axis 2	Axis 3	Axis 4
Eigenvalues	0.7818	0.4811	0.2790	0.1698
Explained variation (cumulative)	13.09	21.15	25.82	28.67



Artefakt: oblouk (arch effect)