## List of seminars:

1. An Outline of Different Approaches to Ordinal Data Analysis
2. Introduction into Multivariate Analysis
3. Principal Component Analysis
4. Factor Analysis
5. Canonical Correlation Analysis
6. Cluster Analysis
7. Discriminant Analysis
8. Correspondence Analysis
9. High Order ANOVA
10. Introduction to Survival Analysis (***no seminar***)
11. Tests and Regression in Survival Analysis
12. Linear model classification + Logistic regression

**Link to the datasets and software instructions:**

<http://is.muni.cz/el/1456/podzim2014/MPM_VSM/um/?lang=en>

Language and environment:

for statistical computing and graphics called “R” will be used for the application sessions.  Participants are therefore strongly recommended to bring their “R” installed-laptops to class for the application sessions. It can be freely [downloaded](http://www.ssicentral.com/lisrel/student.html) from

<http://www.r-project.org/>

Further powerful and productive user interface for R called „RStudio“ can be consequently freely downloaded from <http://www.rstudio.com/> (I recommend firstly installation of R and consequently RStudio)