

Multivariate analysis 2020/21

Course coordinator/lecturer: assoc. prof. dr. Aleš Žiberna

Location: [Zoom](#) or FDV – Faculty of Social Sciences (only in case of opening of University)

Lectures and labs:

- Friday, 19. 3. 2021, 13.00 - 17.00 (Introduction, Linear regression, Clustering)
- Friday, 26. 3. 2021, 13.00 - 17.00 (Principal components, Factor analysis, Exercises)
- Friday, 19. 3. 2021, 13.00 - 17.00 (Structural equation modeling, Exercises)
- Friday, 9. 4. 2021, 13.00 - 16.00 (Canonical correlation analysis, Discriminant analysis, Exercises)
- Friday, 23. 4. 2021, 13.00 - 16.00 (Finishing "unfinished" topics, other methods, consultations)

The dates above are fixed, while the actual duration in each date and topics can be adapted to the progress during lectures/labs. E.g., it is very likely that some topics will be covered a bit later than planned.

In addition, each student must "defend" its (seminar) papers after the competition.

Literature:

R.A. Johnson in D.W. Wichern: Applied multivariate statistical analysis. Prentice Hall, New Jersey, 2007 (Sixth edition).

B.G. Tabachnick in L.S. Fidell. Using Multivariate Statistics. Pearson/Allyn & Bacon., Boston. 2007 (Fifth edition)

For those that would like more in-depth coverage of Structural equation models, additional book can be

Kaplan D.: Structural Equation Modeling, Foundations and Extensions. Sage, Thousand Oaks, London, New Delhi, 2000.