

## **Multivariate analysis 2018/19**

Course coordinator: prof. dr. Anuška Ferligoj

Lecturer: assoc. prof. dr. Aleš Žiberna

Location: FDV – Faculty of Social Sciences – classroom number is indicated in the brackets

### **Lectures and labs:**

- Tuesday, 9. 4. 2019, 16.00 - 20.00 (Introduction, Linear regression, Clustering) [FDV-25]
- Tuesday, 23. 4. 2019, 16.00 - 20.00 (Principal components, Factor analysis, Exercises) [FDV-25]
- Tuesday, 7. 5. 2019, 16.00 - 20.00 (Cannonical correlation analysis, Discriminant analysis, Exercises) [FDV-25]
- Tuesday, 14. 5. 2019, 16.00 - 20.00 (Structural equation modeling, Exercises) [FDV-25]
- Tuesday, 21. 5. 2019, 16.00 - 18.00 ("reserve" term, consultations) [FDV-25]

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 eddition)

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

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