

We are using data to analyze properties of 'peripheral municipalities' in Austria. The following sets of variables are available for the years 2011 to 2019:

- Population (age, citizenship, occupational status)
- Companies (firms, labor force)
- Commuting mobilities (inbound and outbound commuters)
- Households (size, composition)
- Housing and Land (tba.)

Every team works out

- a presentation of the methods and the results attained (30 minutes)
- a seminar thesis (4-5 pages per person, excluding figures and references)

The presentations and theses comprise an introduction to the method and data used, the analytical steps and an interpretation of the results.

Five methods are to be utilized:

- Multiple Regression Analysis
- Principal Component and Factor Analysis
- Cluster Analysis
- Discriminant Analysis

Target dates of presentations:

| DATE | GROUP | MEMBERS | TOPICS |
|----------|-------|--------------|--|
| 27 April | 1 | R Group | Multiple Regression and Cluster Analysis |
| 04 May | 2 | Python Group | Principal Component and Factor Analysis |
| 11 May | 3 | SPSS Group | Discriminant Analysis |
| 18 May | 1 | R Group | Principal Component and Factor Analysis |
| 01 June | 2 | Python Group | Discriminant Analysis |
| 08 June | 3 | SPSS Group | Multiple Regression and Cluster Analysis |
| 15 June | 1 | R Group | Discriminant Analysis |
| 22 June | 2 | Python Group | Multiple Regression and Cluster Analysis |
| 29 June | 3 | SPSS Group | Principal Component and Factor Analysis |

If you have any questions or comments, please contact me: andreas.koch@plus.ac.at