



PARIS
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Lab for Intelligent
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Salzburg, 2026-03-01

Infosheet for the Seminar

Statistics, Visualization and More Using "R"

(DSM.912 26S 2SSt, 4 ECTS)

Course requirements: Solid knowledge in R and coding (this is not beginners' course)

Course framework – presenting an R-package and analyzing real datasets

- The kick-off meeting starts Tuesday 03.03. 17:45 in the EDV-Room of the department for mathematics.
- The seminar is a continuous assessment course; you may be absent once without excuse.
- The seminar will take place on site.
- You can de-register till March 16th.
- All participants are grouped (via a random number generator in R) in teams of size 3-4.
- Each team is assigned an R-package, which is to be presented in a talk of 90-120 minutes (including questions and exercises). Each team receives their assignment by email before March 22th.
- Presentation days are: 28.04., 05.05., 12.05., 19.05., 02.06., 09.06., 16.06. (and 23.06. as backup).
- The presentation should be in English, the slides (as pdf) should summarize the corresponding R-package and contain the following components:
 1. Summary of the main advantages of the presented R-package
 2. Syntax of key functions
 3. Examples showing how to use functions of the package; please only work with publicly available datasets.
 4. Small exercises, which the other participants solve and present within the course
- All participants are encouraged to ask questions and actively participate.
- End of May all participants are assigned a *data.team*.
- Each data.team is assigned a real dataset which then has to be analyzed using the packages presented in the course. The main findings of this analysis should be summarized in a 5-10 page report which should be written in LaTeX (Style-file und Data will be distributed by email).
- Submission deadline (per email to wolfgang.trutschnig@plus.ac.at) is 2026-07-10.
- **Marking:** The final mark is determined as follows: Presentation (40%), Report (40%), and active participation (20%, asking/answering questions, presenting solutions to the small exercises, etc.). You need to score a minimum of 61 points to complete the course successfully.