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Infosheet for the Seminar

Statistics, Visualization and More Using "R"

(298.916 20S 2SSt, 4 ECTS)

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

Modus operandi:

- The kick-off meeting starts Tuesday 05.03. 16:30 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 (with two possible exceptions).
- You can de-register till March 8th.
- Sunday March 10th all participants are grouped (via a random number generator in R) in teams of size 3-4 – these teams will be called *package.teams*.
- Each *package.team* is assigned an R-package, which is to be presented in a talk of 90-120 minutes (including questions and exercises). Each *package.teams* receives their assignment by email before March 15th.
- Presentation days are: 09.04., 16.04., 30.04., 07.05., 14.05., 28.05., 04.06., 11.06., 18.06., 25.06.
- 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 each 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 July 21st.
- **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.)