
PCQR

Potsdam Center for Quantitative Research

<http://www.uni-potsdam.de/pcqr>

Workshop Introduction to \mathcal{R}

Lecturer

Dipl.-Pol. Dag Tanneberg
(University of Potsdam)

Date and Time

11/12 October 2018
09:15 – 15:00

Venue

University of Potsdam
Campus Griebnitzsee
Raum 03.07.144

About

\mathcal{R} is a free, open-source software package for statistical computing and graphics. The software enjoys growing popularity in industry and throughout the sciences because it has a wide range of applications and is easily extensible through user-written functions or libraries. At the same time, the software sports an infamously steep learning curve. This workshop reduces the challenge by demonstrating how to get meaningful answers on empirical questions in \mathcal{R} . The general topics to be covered are:

- Getting \mathcal{R} , getting around in \mathcal{R} , and getting help on \mathcal{R}
- Basic (probabilistic) programming
- Elementary data management
- Introduction to base and ggplot2 graphics
- Applied regression modeling

The workshop alternates between lecturer's input and self-learning exercises.

Prerequisites

There are no prerequisites for this workshop. However, participants will find the material easier to follow if they have a working understanding of introductory statistics and prior experience with any statistical software package.

Registration

The maximal number of participants will be 20. Please register by writing an E-Mail to sek-lmes@uni-potsdam.de. Students and researchers from all Universities in Brandenburg and Berlin are welcome, but PCQR members and their staff take precedence.