Introduction to R Workshop
Center for Comparative Politics | Universität zu Köln

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In this 2-days R workshop you will master the basics of R (in RStudio). This is a ‘hands-on’ course where participants are given generalizable bits of R-code to work on and are expected to actively participate. In addition, it intends to prepare prospective students of Dr. Bruno Castanho’s course “Introduction to Quantitative Analysis” which will take place during this winter semester.

Vancancies: 25

Please fill in this form to subscribe to the workshop (link).
If you have questions, email: azevedo@wiso.uni-koeln.de.

Location

Computer pool N.3 in Weyertal 122 (Kursraum 3, UG, 25 Sitzpl., -1.01)

Date

4th-5th October 2018 (Thursday-Friday), from 09:30 untill 17:30.

Course Description

Materials and generalizable R code will be provided as to maximize student’s learning in class.

- Learn how to set up RStudio panels, options, as well as understand the basic uses for each type of R input/output files (.R, Rdata, .rmd, Rproject, .html, .pdf, Shiny).
- Learn how to importing and export data, and deal with vectors, sequences, operators, missing values, characters, factors, arrays, matrices, data-frames and lists.
- Learn about the several ways to manipulate data: subset, convert, merge, cast/melt (wide-to-long & long-to-wide formats).
- Learn about the basics of data exploration in R: summaries, tables, cross-tabulation and basic statistics.
- Discuss the Reproducibility crisis in science, and learn how to do reproducible research documents in R with R markdown.

Intended audience and prerequisite

- There are no prerequisites or necessary prior knowledge to attend this class.
- But it is desirable to bring along your laptops.