



Cologne Center for
Comparative Politics

Introduction to R Workshop

Cologne Center for Comparative Politics

2 & 4 October, 2019

R is a powerful statistical language used widely for data processing, analysis and visualisation within variety of fields. The course will provide students with sound foundation in data handling and visualisation using a set of tools within R and RStudio environments. The workshop specifically intends to prepare prospective students of Dr. Bruno Castanho's course "Introduction to Quantitative Analysis."

Vacancies: 30 - 40 students

Students are required to sign up for the workshop. The slots will be allocated on the first come, first served basis. Please, subscribe via ILIAS: https://www.ilias.uni-koeln.de/ilias/goto.php?target=svy_2989606&client_id=uk.

Location and Time

The workshop will take place on the 2nd and 4th of October, 2019.

Course Description

Workshop participants will learn, in an applied manner, about different types of data within the R environment, preparing them to handle own data in a clean, robust and reproducible manner. Specifically, we will work in RStudio which is a great way to combine and code its output with text, allowing one to integrate code and analysis in a narrative manner.

At the end of the course, you will be able to

1. Install R, and RStudio;
2. Download, install and navigate through package and its core functions;
3. Read and write lines of R code;
4. Understand what tidy data means, how to produce it and work with it;
5. Have a clear understanding of different data objects;
6. Import, read, manipulate, save and visualise data;
7. Produce reports with RMarkdown.

Course Prerequisites

1. The course does not require prior knowledge of R or data analysis.
2. Students must bring their own laptops.