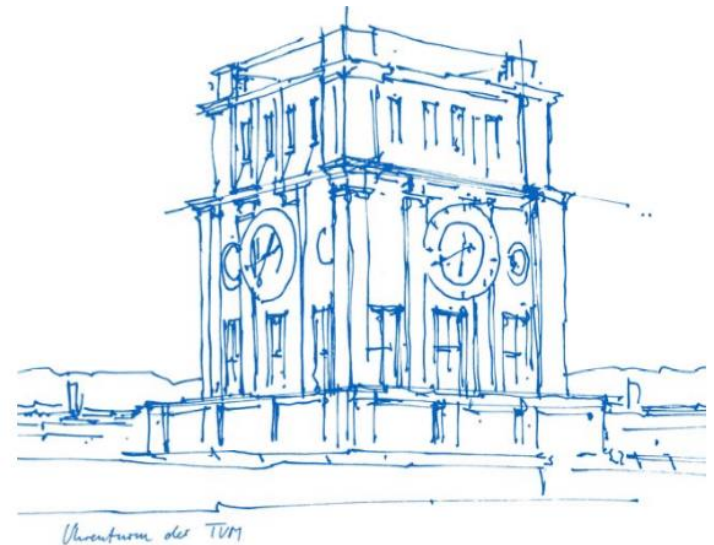


Introduction into R

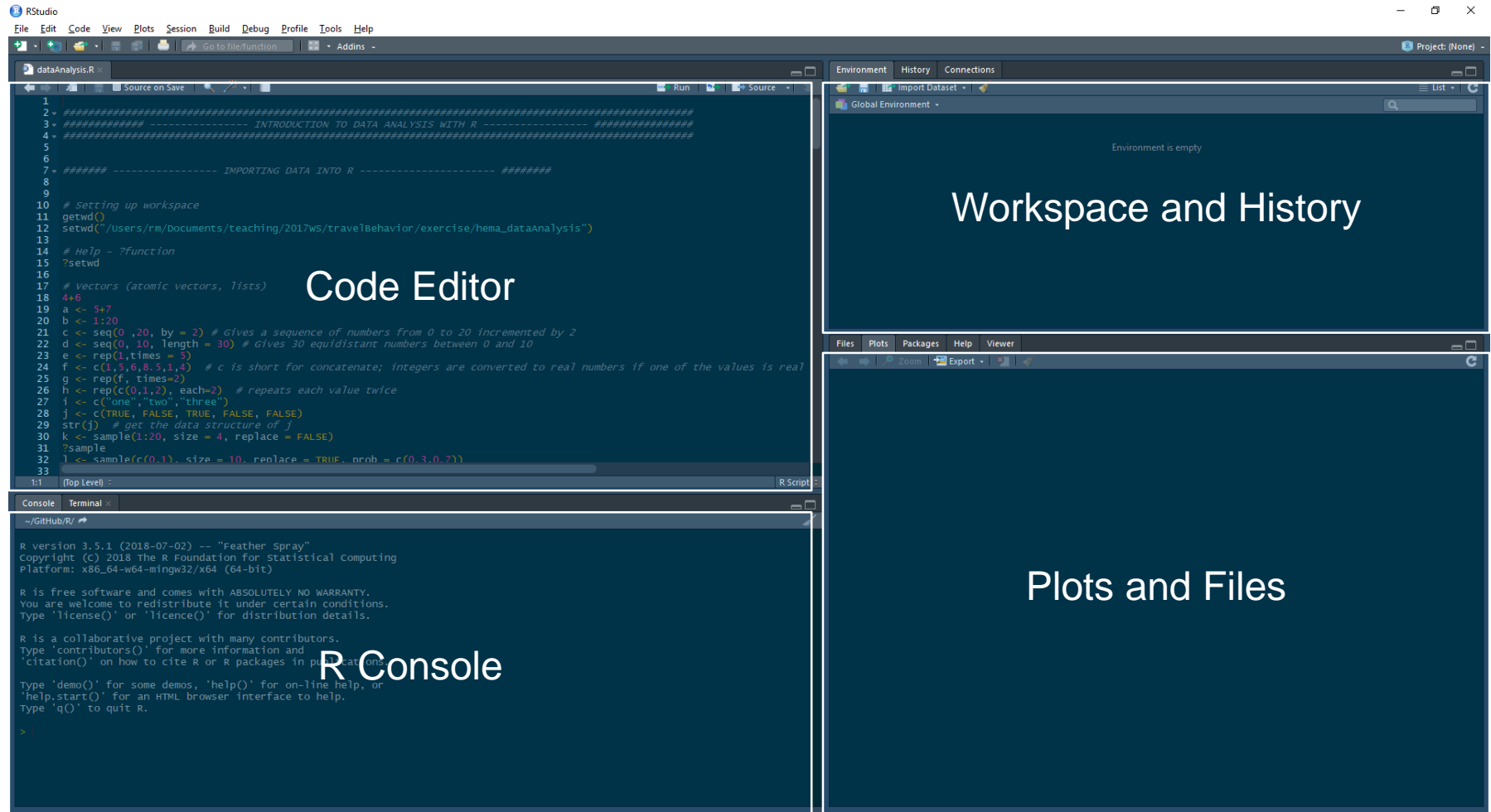
Raoul Rothfeld (raoul.rothfeld@tum.de)

Based on material from Hema Sharanya Rayaprolu

19 November 2018



RStudio (IDE for R) Overview

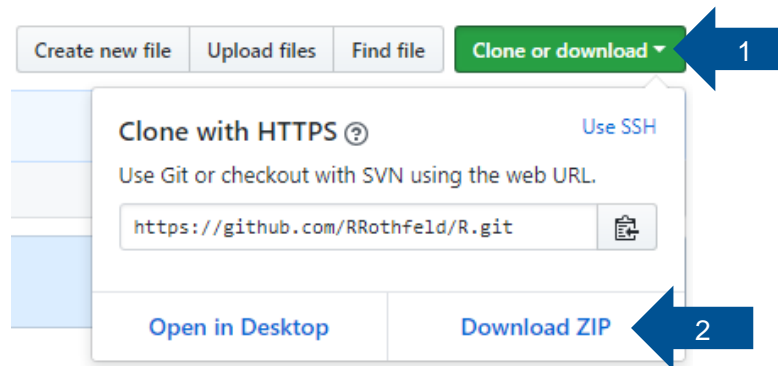


The screenshot displays the RStudio IDE interface, which is divided into four main panes:

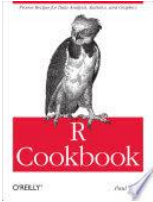
- Code Editor:** The top-left pane shows an R script file named `dataAnalysis.R`. The script contains introductory comments and several R commands for setting the workspace, importing data, and creating vectors and sequences. The text "Code Editor" is overlaid on this pane.
- Environment:** The top-right pane shows the "Global Environment" with the message "Environment is empty". The text "Workspace and History" is overlaid on this pane.
- Plots:** The bottom-right pane is currently empty, showing the "Files" tab. The text "Plots and Files" is overlaid on this pane.
- Console:** The bottom-left pane shows the R version (3.5.1) and copyright information, along with a welcome message and instructions on how to use R.

Material for Today's Class

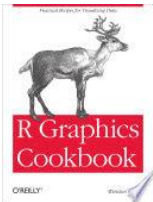
<https://github.com/RRothfeld/R>



Recommended Reading



Teetor, P. (2011). *R cookbook: Proven recipes for data analysis, statistics, and graphics*. " O'Reilly Media, Inc."



Chang, W. (2012). *R graphics cookbook: practical recipes for visualizing data*. " O'Reilly Media, Inc."



Hint: Learn to use Google and <https://stackoverflow.com> for finding solutions for R problems. Any problem we might have, someone else already answered online!