

## Table of Contents introductory workshop in R / R Studio

- Part 1:
  - Definition statistics, Statistician vs. Data Scientist
  - Motivating why to learn programming
- Part 2:
  - Knowledge Management
- Part 3:
  1. Setting up a project
  2. Objects
  3. Data Structures
  4. Subsetting
  5. Flow Control
  6. Writing Functions
  7. File and Data Management
  8. Adding Packages + recommendations for central packages
- Part 4:
  - typical analyses sequences in action
    - *descriptive summary statistics (short)*
    - *hypothesis tests (in detail)*
    - *multiple linear regression (only assumptions)*
  - Bibliometrix (*application of quantitative analysis and statistics to publications*)