

# Outline

- 1 What is R?
- 2 The R Environment
- 3 Main R Objects and Manipulation
  - Sequences
  - Vectors
  - Factors
  - Matrices
  - Data frames
  - Lists
  - Libraries/Packages
  - Datasets
  - Writing Your Own Functions
  - Loops and Ifelse Statements
  - Importing/Exporting Data
- 4 Plots
  - Basics on Plots
  - Traditional Plots
  - lattice Plots
- 5 Econometrics with R
  - Econometric Resources
  - Regression Analysis
    - Linear Models
    - Semiparametrics Models
    - Nonparametric Models
- 6 Bibliography