

## Preliminary schedule for the course Introduction to R, 7-9 October 2020

### 7/10

- 10.00-11.00 Introductory Lecture
  - Basics of R, R-studio, installation, packages
- 11.00-12.00 Praticum
  - Basics of R, R-studio, installation, packages
- 12.00-13.00 Lunch break
- 13.00-15.00 Mix of Lecture and Praticum
  - Data organization and basic commands
- 15.00-15.15 Coffe break
- 15.15-16.00 Lecture
  - Data input/output. Common I/O-formats
- 16.00-17.00 Praticum
  - Data input/output. Common I/O-formats

### 8/10

- 9.00-10.00 Lecture
  - Data formats (wide or tall) and higher level functions (apply, split, do.call)
- 10.00-10.15 Coffe break
- 10.15-11.00 Praticum
  - Data formats (wide or tall) and higher level functions (apply, split, do.call)
- 11.00-12.00 Mix of Lecture and Praticum
  - Data aggregation, summaries (tapply, aggregate)
- 12.00-13.00 Lunch break
- 13.00-14.00 Mix of Lecture and Praticum
  - Data aggregation, summaries (tapply, aggregate)
- 14.00-15.00 Lecture
  - Basic statistics and plotting functions
- 15.00-15.15 Coffe break
- 15.15-17.00 Praticum
  - Basic statistics and plotting functions

### 9/10

- 9.00-10.00 Lecture
  - More about plotting (briefly about ggplot)
- 10.00-10.15 Coffe break
- 10.15-11.00 Praticum
  - More about plotting (briefly about ggplot)
- 11.00-12.00 Mix of Lecture and Praticum
  - Plotting and producing graphs for publication
- 12.00-13.00 Lunch break
- 13.00-13.30 Lecture
  - Introduction to a data analysis task
- 13.30-15.00 Praticum
  - Analyzing a dataset
- 15.00- Coffe break and discussion.