

# Section 3

Getting and Cleaning Data

# Practical Work

- Swirl : Interactive Learning environment for R
- Getting and Cleaning Data (4 hours)
  - Step 1: Install swirl  
*> install.packages("swirl")*
  - Step 2: load swirl  
*> library("swirl")*
  - Step 3: Install the interactive course  
*> swirl::install\_course("Exploratory Data Analysis")*
  - Step 4: Start the course  
*> swirl()*

# Exploratory Data Analysis Interactive Course

- Principles of Analytic Graphs
- Exploratory Graphs
- Graphics Devices in R
- Plotting Systems
- Base Plotting System
- Lattice Plotting System
- Working with Colors
- GGPlot2 Part1
- GGPlot2 Part2
- GGPlot2 Extras
- CaseStudy

## **Not supposed to do**

11: Hierarchical Clustering

13: Dimension Reduction

12: K Means Clustering

14: Clustering Example