R Coding

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The course aims at providing technical skills about coding/scripting aspects for data analysis and to manage persistent data storage of sources and results involved in analysis. On the one side, the R framework is illustrated. The goal is to deal first with essential notions about data structures and control structures of R, then to learn how to code with modern and state-of-the-art R packages.

Course Structure

The **R Coding** part of the course aims at teaching **R Programming**.
The state-of-the-art and modern R packages are presented from a very practical point of view, throughout R tutorials on each main topic.

- 10 hours: practical lectures on the main contents

Contents

- Tidyverse Basics

- Tidyverse Wrangling

- Tidyverse Visualization

- Tidyverse Functional Programming

- Tidymodels

- Flexdashboard UI

- Flexdashboard Reactivity - Shiny

- Flexdashboard in Production

Duration & Calendar

The course is divided into 5 lectures (2 hours each).

1. Day 2023-11-07, 10.30 - 12.30
2. Day yyyy-mm-dd, 10.30 - 12.30
3. Day yyyy-mm-dd, 10.30 - 12.30
4. Day yyyy-mm-dd, 10.30 - 12.30
5. Day yyyy-mm-dd, 10.30 - 12.30

Lectures take place online.

Requirements

Requirements:

- Lecture 0 - Introduction to R

- Lecture 0 - RMarkdown

For more information about the course contact zanottimarco17@gmail.com or look at the Course Syllabus