

## **Data Mining**

Instructor: Annamaria Guolo

### **Details about practical examination**

Analysis of a real dataset in R and drafting of a report (2 hours)

- During the practical examination in lab you are allowed to bring with you all the material of the course (slides from the course, notes from the course, ...).
- You are allowed to use R in your pc if you do not want to use the computers in the lab.
- Internet is not allowed. Communication or interaction with your colleagues is not allowed.
- The report you will prepare will be a summary of the analyses you will perform, with a critical interpretation of the results. You just need to report the main concepts/steps of the analyses, with graphs and outputs from R that you consider to be the most relevant for the interpretation. You do not need to report all the graphs or all the numerical analysis you will create in R for your analysis of the data, only report those you consider more relevant.
- Do not insert R code in your report, it is not necessary.
- The report should not exceed 20 pages.
- After the end of the time (2h) you are required to print a copy of the report, sign it and give it to me. As the number of pages you can print in lab is fixed, I will ask the technicians to increase your amount of copies of 20 pages for the examination.
- 20 pages is enough. Remember this is a scientific exercise: thus, be concise, clear and accurate in your comments. We don't need long and repetitive sentences.

Remember that

- The final evaluation will be a 50:50 mean of the results from the intermediate assessment (held in April 2022) and the practical assessment.
- Students who did not take the intermediate assessment in April 2022 will have a written examination (35 minutes) immediately after the practical final examination (same day, same classroom, 10 minutes after the practical exam), on the same topic of the intermediate assessment held in April 2022 (linear regression model).
- Students who did not take the intermediate assessment in April 2022 and who do not want to take it in the same day of the practical examination can have it in a subsequent official examination session: in any case, it must be taken within the next Winter examination session (January/February 2023).