

VPDA - Project assignment - 2022

Teams of 2 or 3 students. Must inform the teacher of your team composition in advance.

The PORDATA website (<https://www.pordata.pt/>) provides numerous statistics about Portugal and Europe. The GPEARI website (<https://www.gpeari.gov.pt/web/pt/indicadores-mensais-de-conjuntura>) provides Monthly Economic Indicators about Portugal.

Your task is to formulate a question (or a set of questions) that you can answer with a dataset of your choice collected from one of those websites. The outcome should be a visualization designed to help you present the answer to your question. You are expected to use **ggplot2** for this task.

I expect one, or more, non-trivial carefully designed plot that integrates the information in a way that interesting insights are captured. The plot should have a meaningful title, the authors' names in the caption or in the subtitle, and the date of creation.

You may use one, or more datasets, and feel free to extend the dataset with external data.

You have to prepare a final report that:

- states the question(s) you aim to answer
- describes the dataset(s) used and briefly explains the pre-processing steps
- provides a justification for your visualization design (type of chart, encoding, colors, fonts, etc.)
- cannot exceed 10 pages with an 11 pt. font

The final submission (by email to jlborges@fe.up.pt) has to contain:

1. the dataset file
2. the .R script
3. the .pdf of the final report
4. a .png high-definition image of the plot
5. both team members in CC
6. an email with a proper subject (identifying the course and the email contents)

Deadline: 1.11.2022 at 23:59:59

Different graphs for different purposes

