Università
della
Svizzera
italiana

**Facoltà
di scienze
informatiche**

Data Analytics

Academic Year 2024-25

Assignment Guidelines

Prof. Fabio Crestani & Dr. Ana-Maria Bucur

TAs: Lilli Lu & Enrico Verdolotti

The assignment submission consists of two deliverables, namely, the code (Jupyter Notebook) and the report (in pdf). While preparing the documents, we would recommend that you follow the following guidelines.

Code

1. **Executability**: The first requirement is that the code should execute without any errors for each cell.
2. **Readability**: As a good practice, try and provide comments explaining the purpose of code sections (which are non-trivial). Remember, we all have different coding styles, so we should be able to read and understand your code without hassle. E.g., assign representative names to variables (and not just x and y). It is advisable to use Markdown facility in the notebook to distinguish different sections.
3. **Reusability**: You are free to use any piece of online code, as long as you prove that you have a good understanding of its purpose and execution.
4. **Path Convention**: Remember to use relative paths instead of absolute ones, so that we can readily access the data from your code.

Report

1. The report is **NOT** a Readme document. You need to have a proper structure, including sections like (but not limited to): Introduction, Data Analysis and Experiments, Results, and Conclusions. The report (pdf) can be generated using LaTeX or any text editor.
2. The report should **NOT** be an exported (pdf) version of the Jupyter Notebook. Not everything that you present in the notebook needs to be included in the report. Be selective. *E.g.*, in the Data Analysis, you may provide only the most distinctive observations which support your hypothesis and showcases your comprehension of the task. Remember, there is a strict page limit.
3. The presentation of the report is an integral part of the evaluation. So, remember to name and refer each section, figure, and tables within the text properly.
4. In case, you need to use additional packages (not shown in class), provide the source URL, for instance, as a footnote in the text.

Your assignment will be evaluated on the following parameters:

1. **Executability**: If the code runs without errors or not.
2. **Data Preparation and Analysis**: How rigorous it is.
3. **Experimental Setup and Model**: The models you use, the motivation behind choosing a particular method/technique/algorithm.
4. **Report**: How well you follow the above-mentioned guidelines and aesthetics.