

# Rubrics for Final Project

The final project is graded based on the following deliverables:

- Presentation of results and insight: 40%
- Data analysis source code and data: 40%
- Final project report: 20%

Below is a breakdown of the 3 deliverables:

## 0.1 Presentation of results and insights (40%)

- Each team will have 10 minutes to present their findings and 2 minutes to answer questions.
- You must present your results in some form, such as Powerpoint slides, a Jupyter notebook, a pdf file, or a dashboard UI, etc.
- This is where you should address any problem you had in converting your initial design into a result. If you do not address and reflect on issues in your code, you will likely lose points in both this section and in source code part.
- Explain what your numerical results mean. If you are using statistical methods, try to explain why you use these methods and how you have used them to obtain meaningful results.
- Don't forget to mention any reflections on how you might have been able to improve your process if you were to do it again.

## 0.2 Data analysis source code and data (40%)

- Your source code should be written in a Jupyter notebook file with all the source code and corresponding execution results.
- The datasets you used for your data analysis should be packaged with the source code.
- The jupyter notebook file should contain all the source code that's relevant to the results you presented in the project presentation.
- Your code in the Jupyter notebook file should be executable. All the listed results in the notebook should be reproducible by executing the code cells one by one.
- Comment and document your work! Your code should be easy to understand and has enough comments/annotations to guide the reader through the data analysis.
- As always, please don't submit messy or redundant code. Name your files and variables meaningfully (avoid using variables named with a single letter).

## 0.3 Final project report (20%)

- The report should contain some background information about data and the problem to solve
- The report should have a summary on the analytics methodologies used in the analysis and
- The report should have a summary on the data analysis results and findings
- The report should list each team member's contribution to the project