

Data Visualization

Final Project guidelines

Objective:

The objective is to show how you managed to use visualization concepts and techniques to transform data into a meaningful **interactive visualization**. Maximum of 4 students per group. The project should be implemented using Plotly with Dash software or Tableau. It is not enough just to develop a sophisticated application; **you NEED to frame it using Data Visualization techniques and concepts explored during the course**. Try to something that matches your professional/academic interests.

Deliverables:

You should produce a **short report** (less than 5 pages, excluding references) which includes:

- Title
- Authors
- Introduction
 - o Explain what the inspiration for this work was (paper? Website?)
 - o Explain what the type of interaction is going to be available to users.
- Data and methods
 - o Dataset description (you are free to select what dataset you prefer).
 - o Technical aspects (explain how you implemented the project, e.g., provide the code used in a **GitHub** page).
 - o Visualization and interaction choices.
- Results and discussion
 - o Reading the visualization using a DV perspective.
 - Data encoding (what data encodings were used?).
 - Data filtering (will the user be able to select data for interactive visualization).
- Conclusion (explain what you have accomplished in the scope of DV, limitations, future work).
- References (use Mendeley software or equivalent to organize your references). Be very careful with plagiarism (more information [here](#)).
- Additionally, the project must be deployed online for evaluation.

Deadlines:

- Check the syllabus.