Information Visualization

Task I: Crafting the Vis

Objective

The first task is upon you! You will extend the Oscars Dashboard by creating a new visual idiom.

Requirements

Look at the list of videos that is published in the Lab Classes page in Moodle. You must watch the following videos:

- *Why d3?*
- *BioMedVis Spring School | A Tour of D3*
- *D3.js in 100 Seconds*
- *Oscars Tutorial*

The first three videos allow you to understand the power of d3 as well as to have a general overview of how the library works. The *Oscars Tutorial* allows you to get your first hands-on experience. It is a domain-specific video and contains an explanation on how to create three idioms: a bar chart, a scatterplot, and a line chart. Then, you learn how to link them. **You must have all the code necessary to produce the charts as explained in the *Oscars Tutorial* video**. This code should be running without any bugs.

Task

Each class shift has their own exercise. The new visual idiom must be included in the Oscars Dashboard. Check the list below to understand which exercise you must do.

- **VIL03**: Create a histogram showing the budget variable.
- **VIL04**: Create a boxplot showing the budget variable.
- **VIL05**: Create a histogram showing the rating variable.
- **VIL06**: Create a boxplot showing the rating variable.
- **VIL07**: Create a histogram showing the length of the movie titles.
- **VIL08**: Create a boxplot showing the length of the movie titles.

Tasks to perform during the lab

The group will present the task in the laboratory to the professor. Each student in the group needs to attend the class to be granted the grade. **The professor will also ask each group member to complete**

an individual task. These individual tasks will require each student to tweak the code presented to implement Task I. Keep in mind that the individual evaluation depends on the quality of the answers.