April 2017
Visualization and Interaction Systems

Context

This activity consists in generating a visualization using one of the dataset available in this page: https://snap.stanford.edu/data/. For this part you will need to (1) get the data that you are interested from the open data portal, (2) decide a visualization that has the requirements described in the following section, and (3) implement this visualization with the use of a library.

What do you have to do?

- Design a visualization using the technology that you want (we recommend the use of javascript+d3) that includes ALL the following elements:
    - A visualization of a network
      A temporal visualization
    - Various qualitative/quantitative description charts of the dataset: Pie charts, bar diagrams, scatter plots, etc.
    - Interaction with some of the elements of the visualization

Optional part to obtain the maximum grade

- Optionally, you can do some of this other visualizations to get the maximum grade
- Create more advanced visualizations, such as maps with geolocalization, text clouds, ..
- Create a context where the visualization is integrated with other types of information that can be extracted from the same datasource

We will take into account

- The complexity of the data chosen and the result of the final visualization
- The general coherence of the system
- The appropriate use of the design criteria seen in the class slides
- A justification of all the decisions made during the process.

Delivery

The source code of the application developed, and a report that explains all the work that has been done (starting from the data collection to the end), the tools used in the process, the algorithms and tools implemented, a list of improvements that can be done, etc.

You have to upload a zipped file containing all the resources to the task in the moodle space