Session III

Digital Methods

European ecosystem for Digital Methods

———

Research groups developing free libre open source tools:

- Digital Methods tools
  https://wiki.digitalmethods.net/Dmi/ToolDatabase

- Sciences Po Médialab tools
  https://tools.medialab.sciences-po.fr/

- DensityDesign research projecs
  https://densitydesign.org/projects/

Gephi

Exercise

— — —

- Install Gephi https://gephi.org/
- Download sample network http://bit.ly/wikilinks11
- Get familiar with the interface of Gephi
  - Overview: Appearance, Layout, Graph, Context, Filter, Statistics
  - Data Laboratory   Data Table
  - Preview   Settings and export

Export the giant component of the sample network with ForceAtlas2 layout with color and size by degree

Exercise

———

- Launch Gephi

- Open sample network http://bit.ly/wikilinks11

- Exploit the features of Overview in Gephi

  ○ Appearance and Layout

  ○ Graph

  ○ Context

  ○ Filter and Statistics

Export the giant component of the sample network with ForceAtlas2 layout with color by community detection (modularity) and size by PageRank

DMI-TCAT

Exercise

———

- Access to our TCAT http://tcat.domesticstreamers.com (credentials are available at Google Drive)

- Download **Tweet stats**
  - Explore it with Spreadsheets!

- Download **Twitter client (source) frequency**
  - Explore it with Spreadsheets!

- Download **Social graph by mentions**
    - Explore it with Spreadsheets!

RAWGraphs

Exercise

———

- Access to public RAWGraphs <u>https://rawgraphs.io/</u>

- Select the dataset **Movies**

- Select a **scatter plot**

- Visualize them to compare
  - **Production Budget**
  - **Box Office**

  while also identifying **movies by gender**