

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 projects
<https://densitydesign.org/projects/>



Gephi

Exercise

- Install Gephi gephi.org/
- Download sample network wikilinks-11editions.csv
- 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 [wikilinks-11editions.csv](#)
- 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 <https://rawgraphs.io/>
- Select the dataset **Movies**
- Select a **scatter plot**
- Visualize them to compare
 - **Production Budget**
 - **Box Office**

while also identifying **movies by gender**