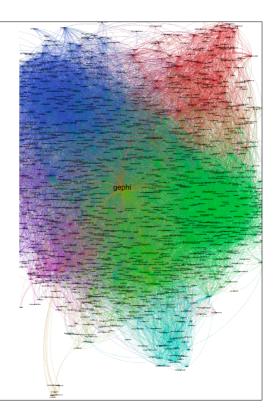






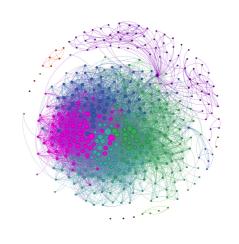
WHAT IS GEPHI?

Gephi is an interactive visualisation and exploration platform for all kinds of networks and complex systems, dynamic and hierarchical graphs.



WHAT ARE NETWORKS?

A group or system of interconnected elements.



WHAT ARE NETWORKS?

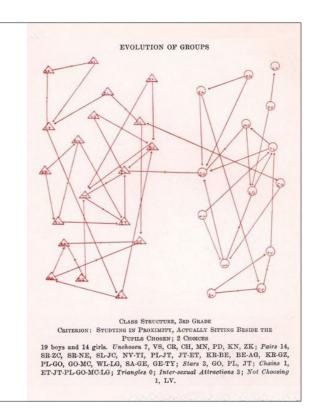


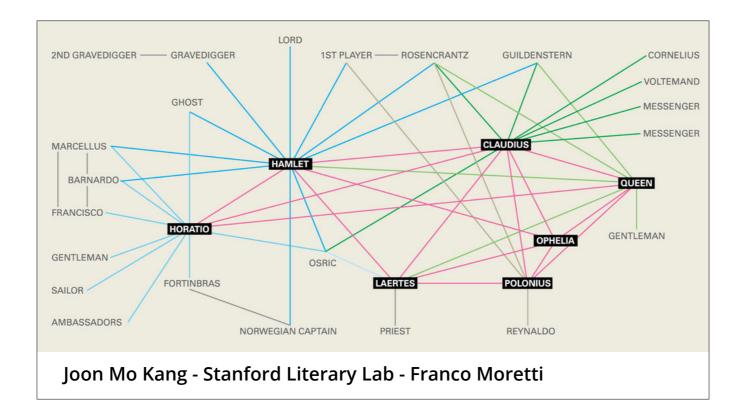
Seven Bridges of Königsberg - Leonhard Euler, 1736

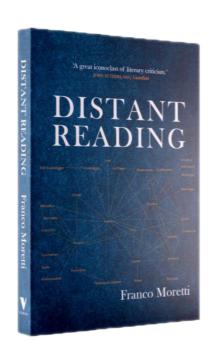
WHAT ARE NETWORKS?

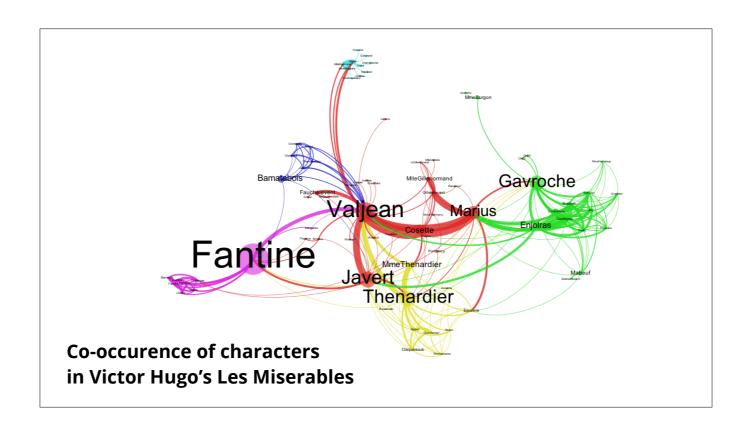
Who wants to be sitting next to whom?

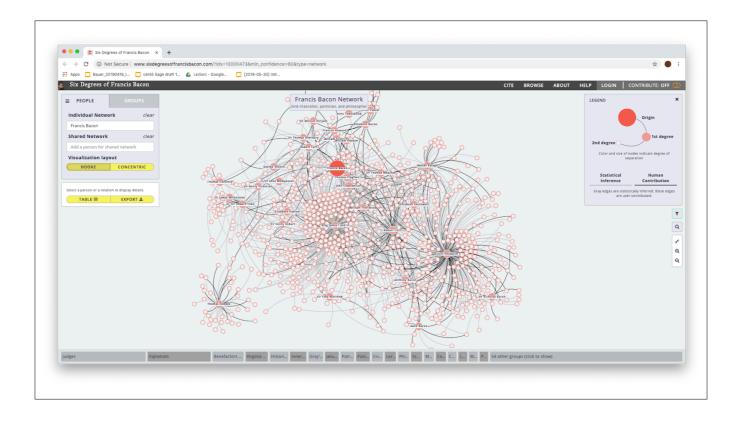
Redesigned network strictly based on Jacob L. Moreno (1934), Who Shall Survive.

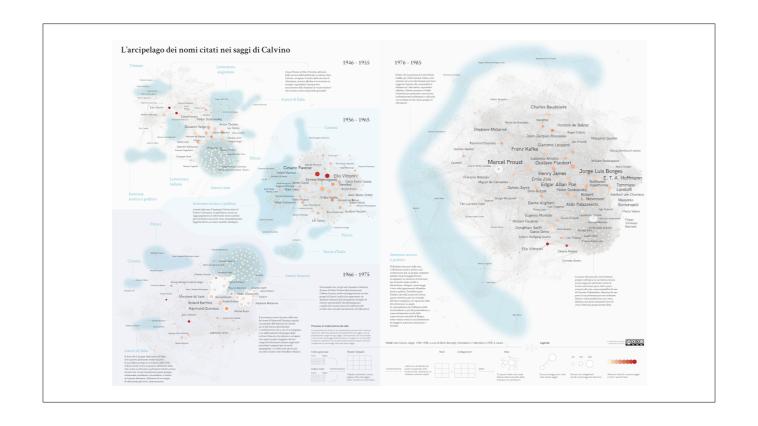


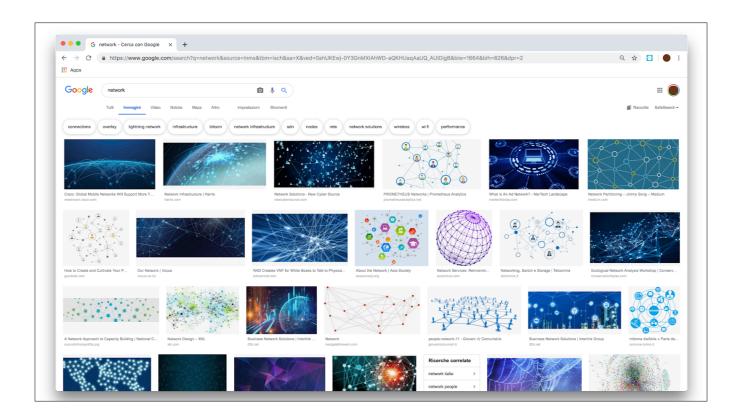












Right-wing Formations

In Europe And Their Counter-measures:

An Online Mapping 2013 - Digital Methods Initiative

Right-Wing Ecosystem:

Hungary 🚄



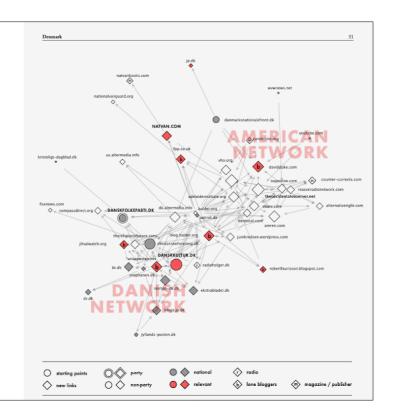
Right-wing Formations

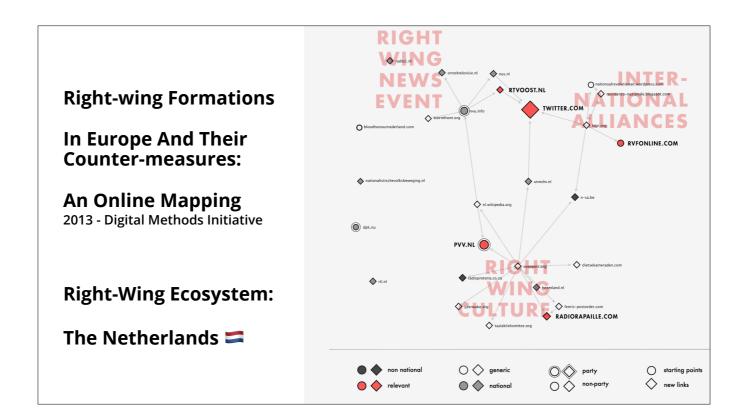
In Europe And Their Counter-measures:

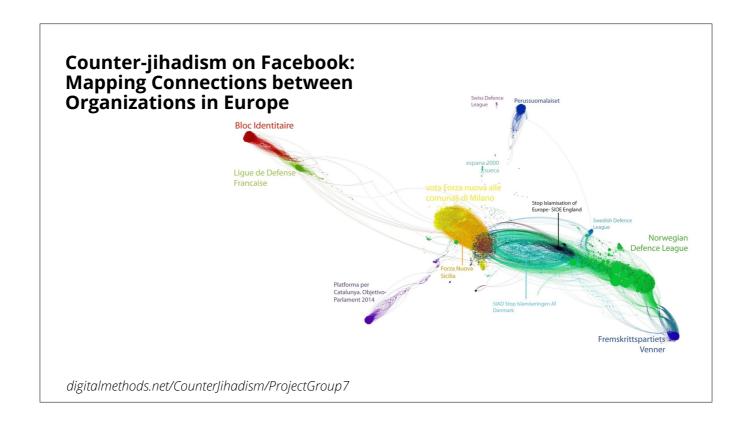
An Online Mapping 2013 - Digital Methods Initiative

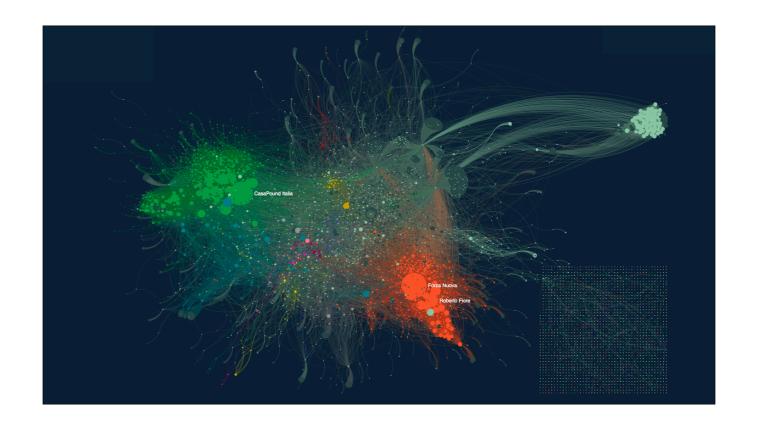
Right-Wing Ecosystem:

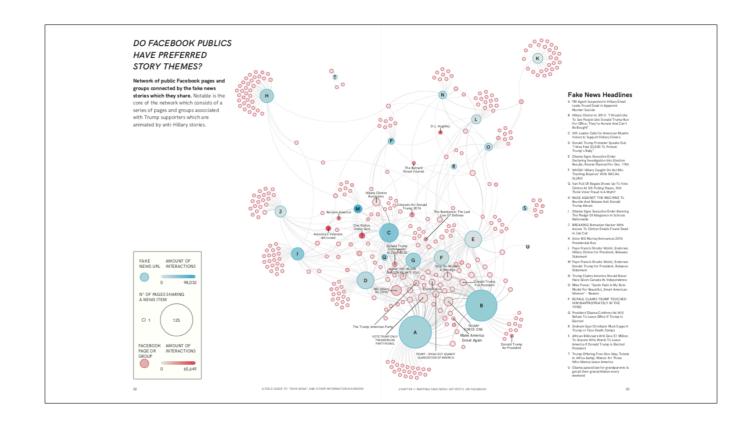
Denmark 🞏

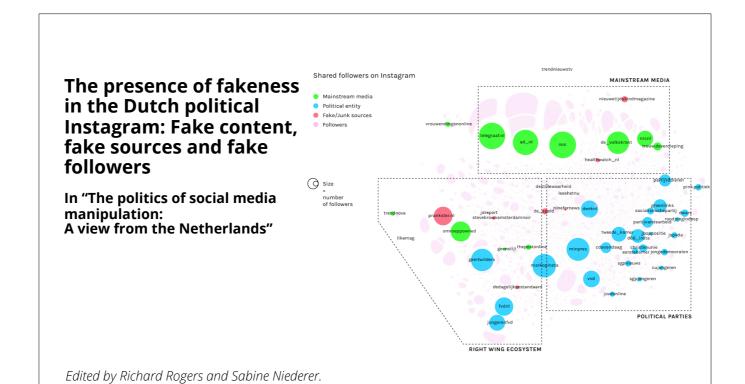


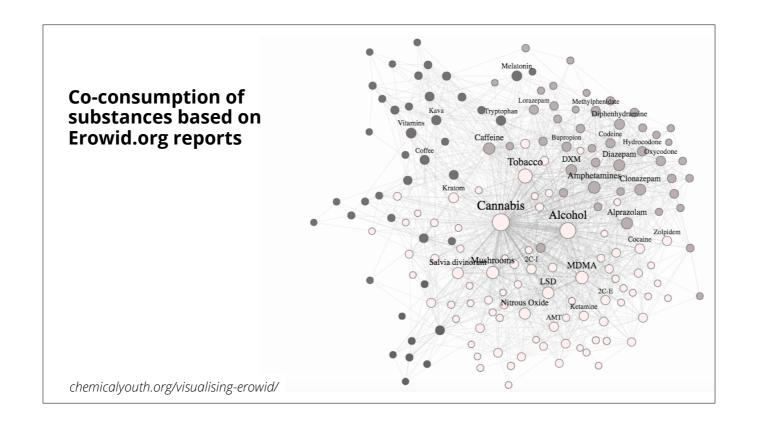








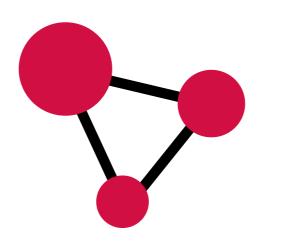


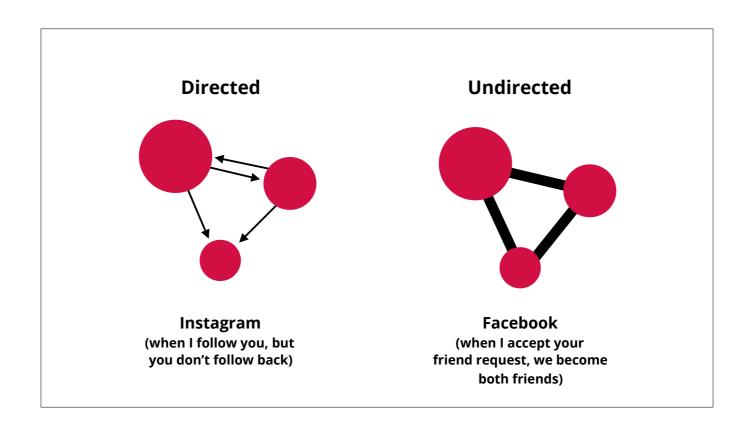


NETWORKS?

The essential elements of a network:

- Nodes
- Edges

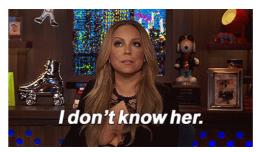




GEPHI - HOW DOES IT WORK







Forgetful and picky

GEPHI - HOW DOES IT WORK

Gephi does not have CTRL + Z.

Gephi is very picky about input files.

Forgetful and picky

ld	Label	Attribute	Attribute	Attribute
Node ld_1	Node 1	1	А	aaa
node Id_2	Node 2	2	В	bbb
node Id_3	Node 3	3	С	ccc

ld	Label	Attribute	Attribute	Attribute
Node ld_1	Chiara	1	А	Rome
node ld_2	Luca	2	В	Milan
node Id_3	Paul	3	С	Paris

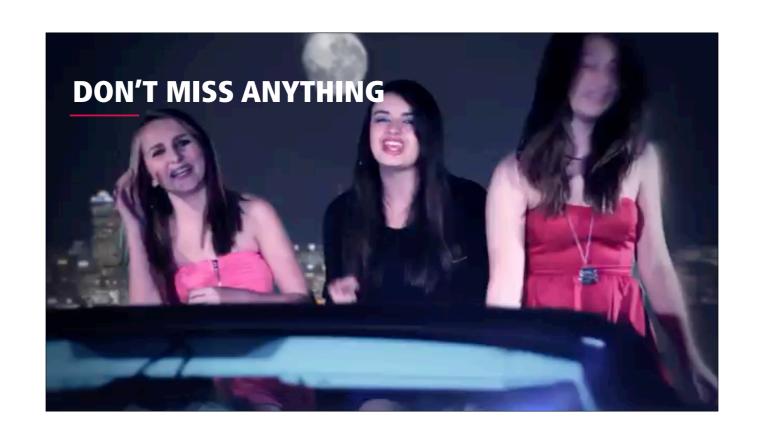
Source	Target	Weight	Type
Node ld_1	Node Id_2	1	Undirected
Node Id_2	Node Id_3	1	Undirected
Node Id_3	Node Id_4	1	Undirected

Source	Target	Weight	Type
Luca	Paul	1	Undirected
Luca	Chiara	1	Undirected
Chiara	Paul	1	Undirected

NODES - EDGES

As a minimum requirement, you only need the edges table

In this case Gephi will create the nodes table for you

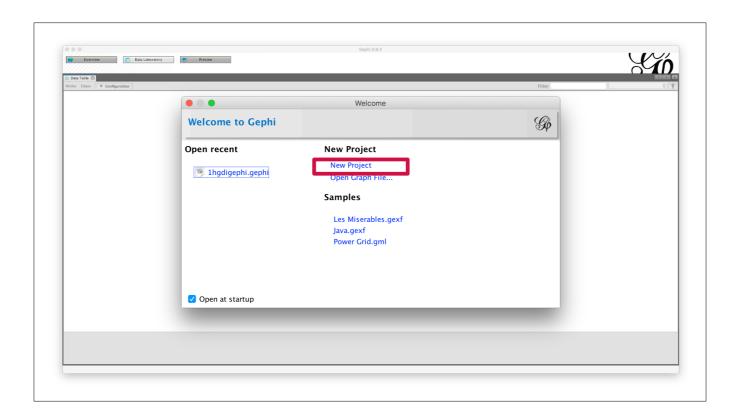


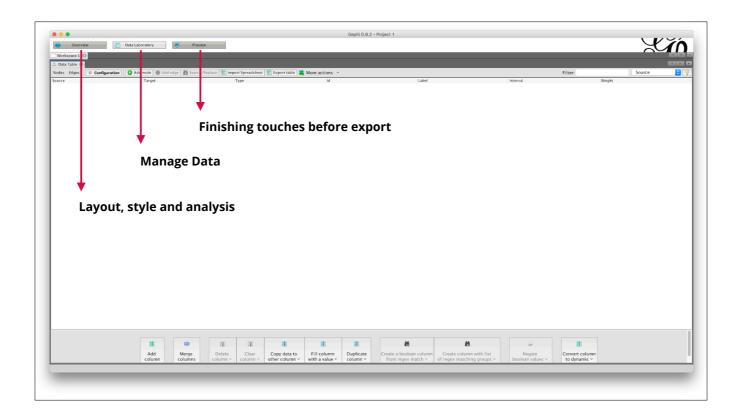
OUTPUT

A network of co-occurrences of Game of Thrones characters*

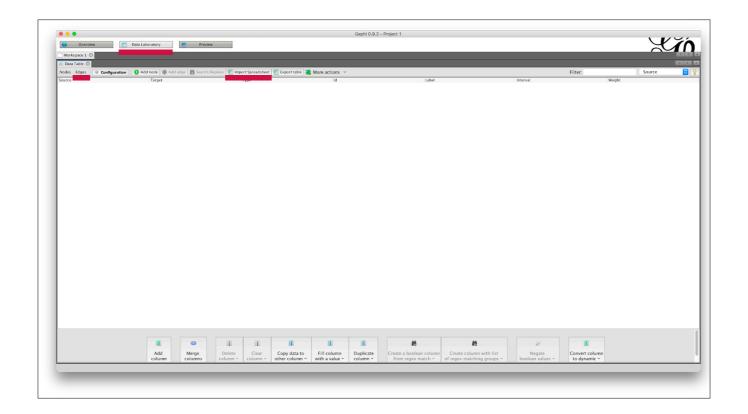
*By co-occurrence we mean whenever a character appears close to another in the books.

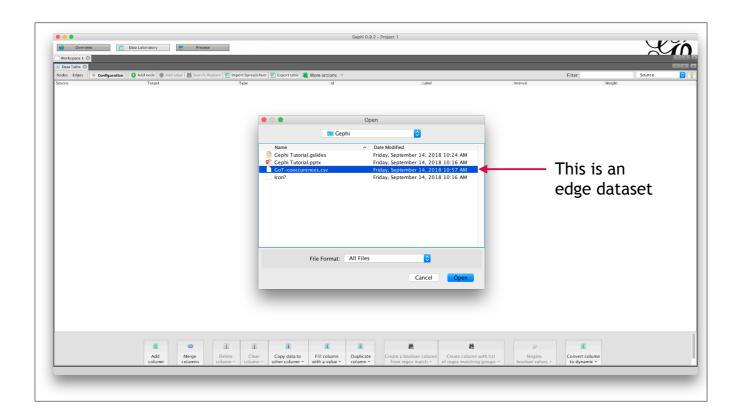


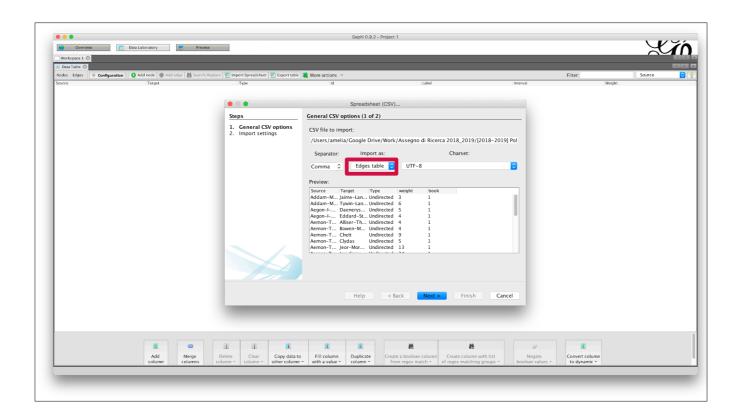


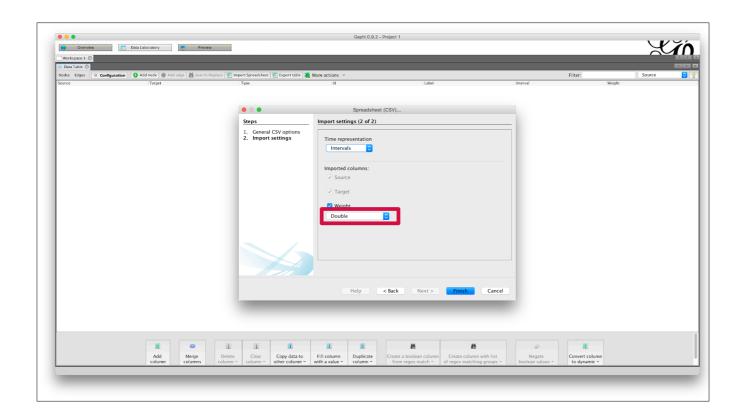


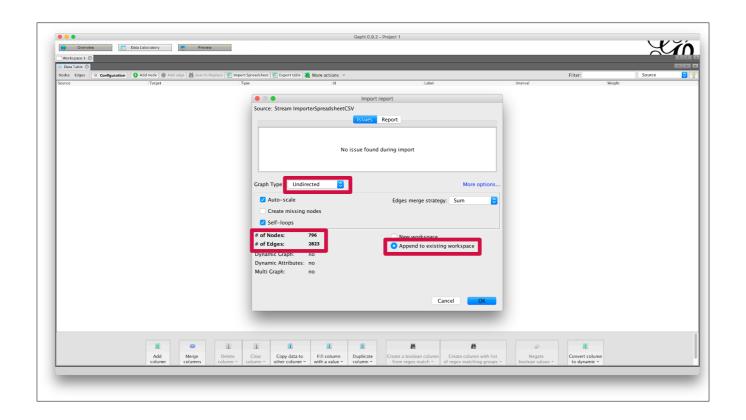
HOW TO IMPORT DATA INTO GEPHI

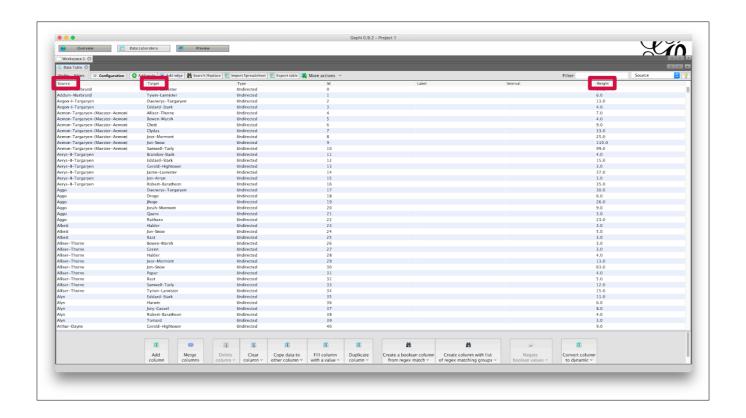


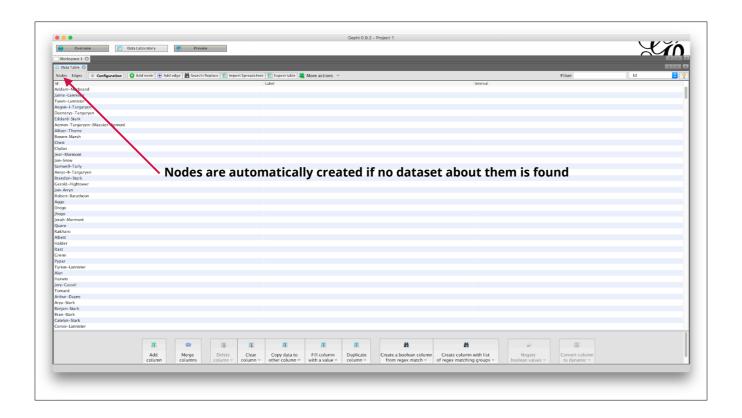




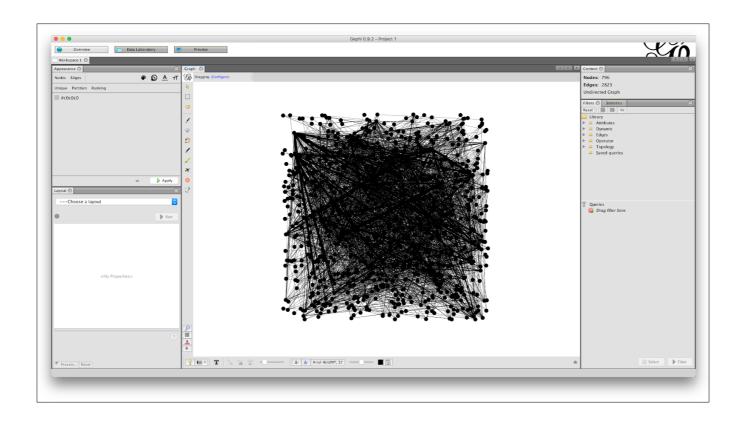


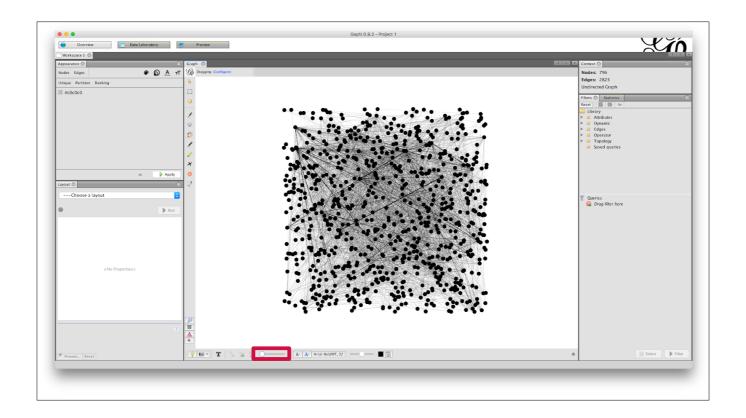






LAYOUT AND STYLE





LAYOUTS

Spatialization Enhancements

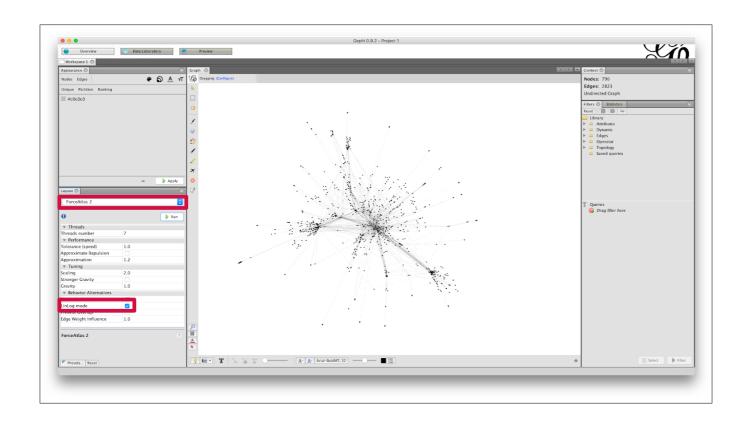
Force Atlas 2 Expansion

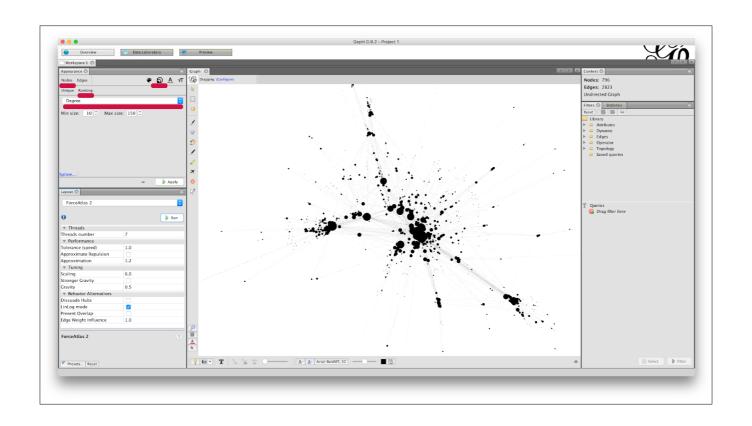
Fruchterman Reingold Rotate

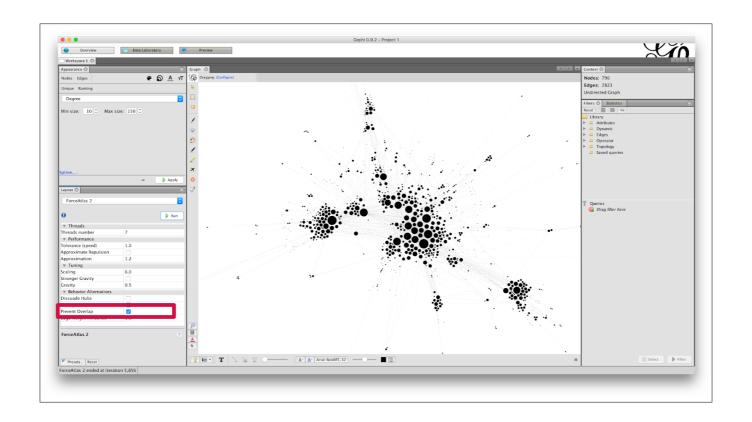
Circular Layout Contraction

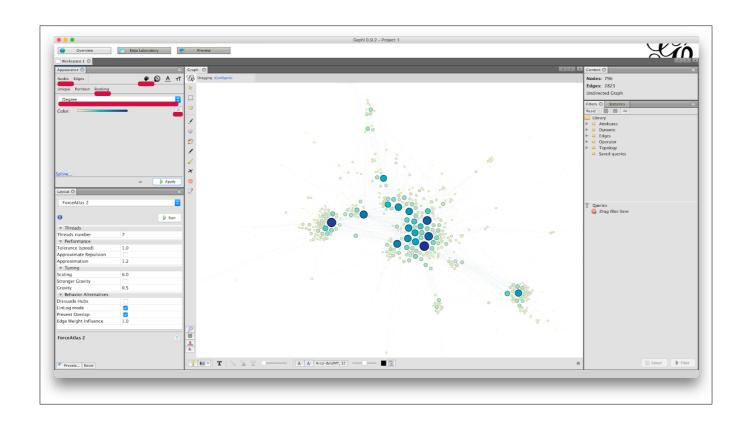
OpenOrd Noverlap

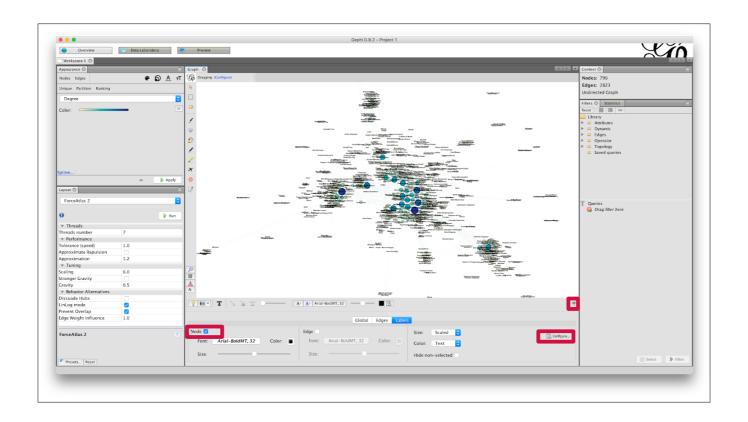
Yifan Hi Label Adjust

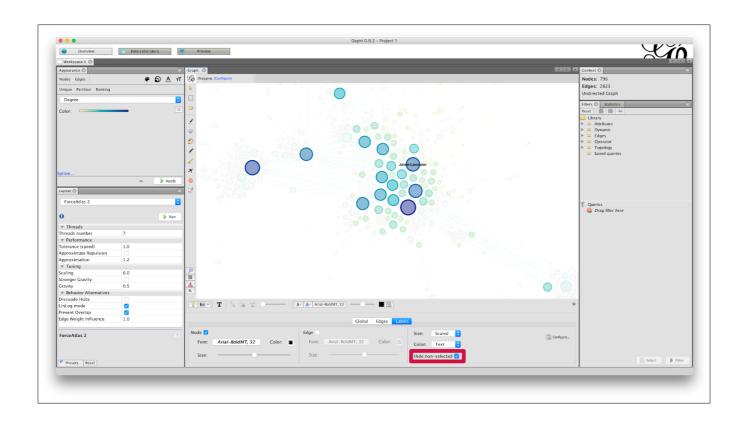




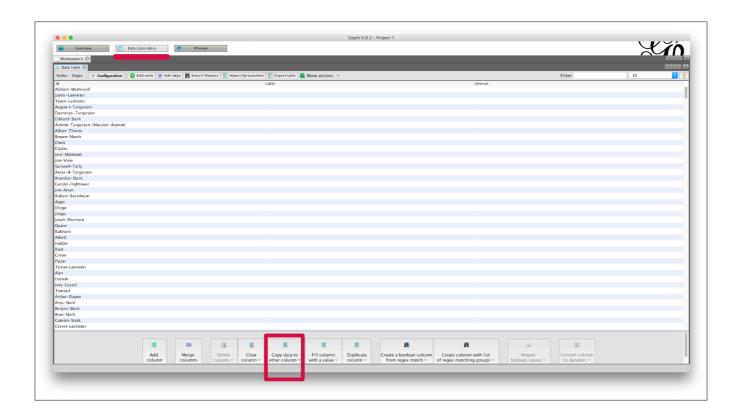


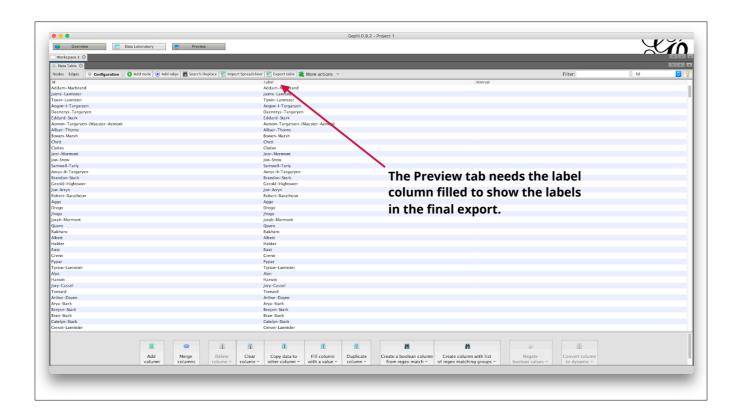


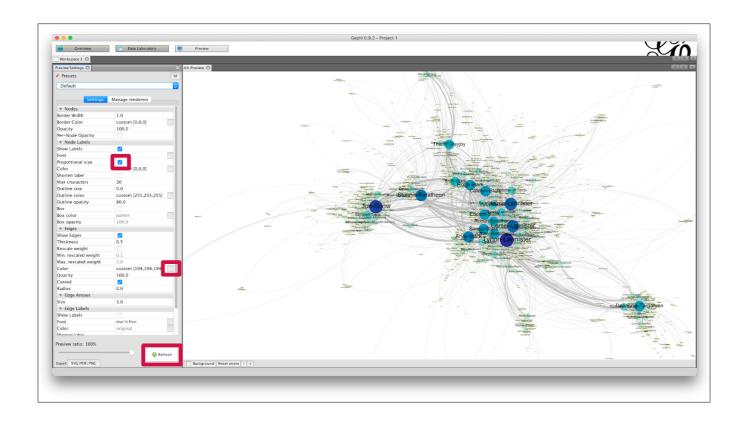


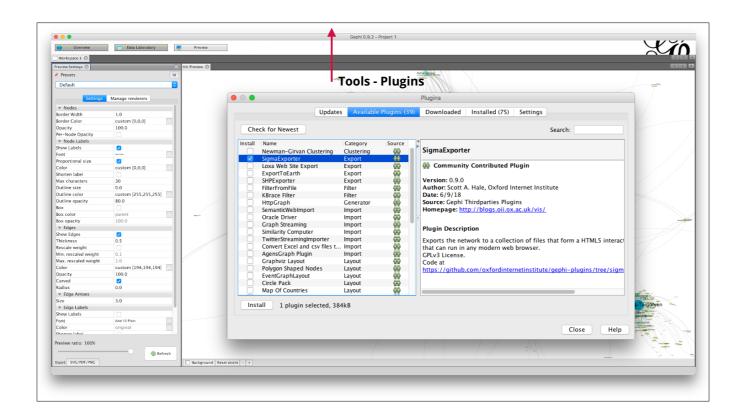


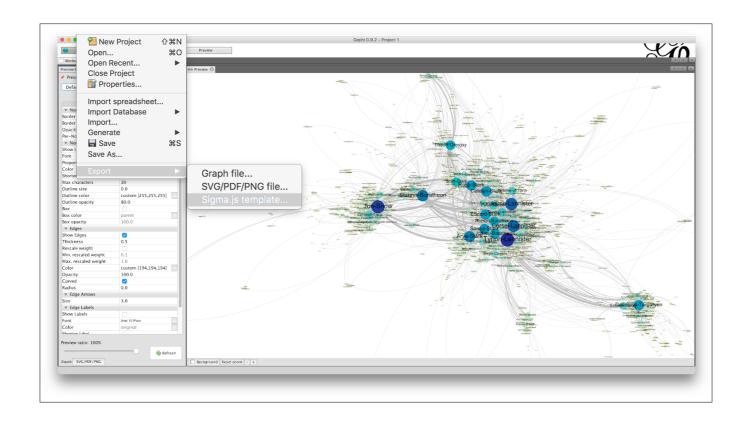
EXPORTING YOUR NETWORK

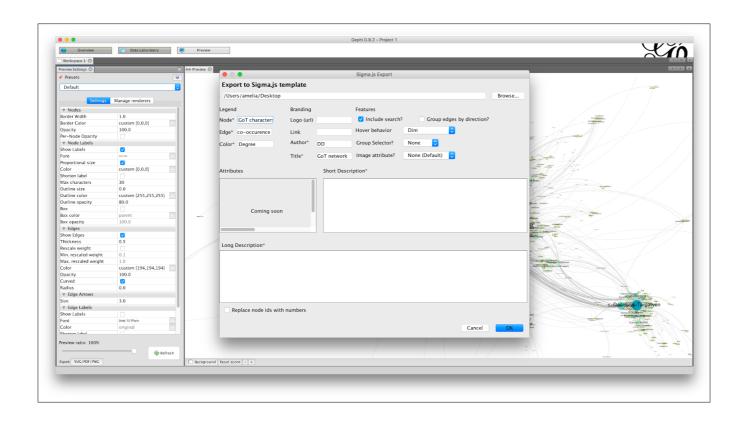


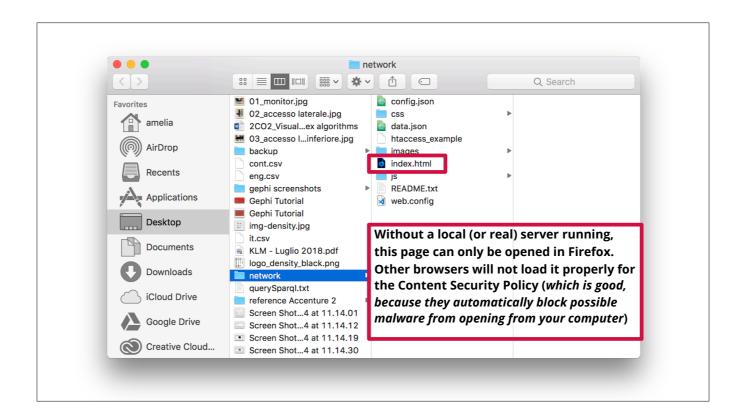












YOU TRANSFORM SOCIETY BY DESIGN



DIGITAL SOCIETY SCHOOLWHERE CHANGE TAKES SHAPE