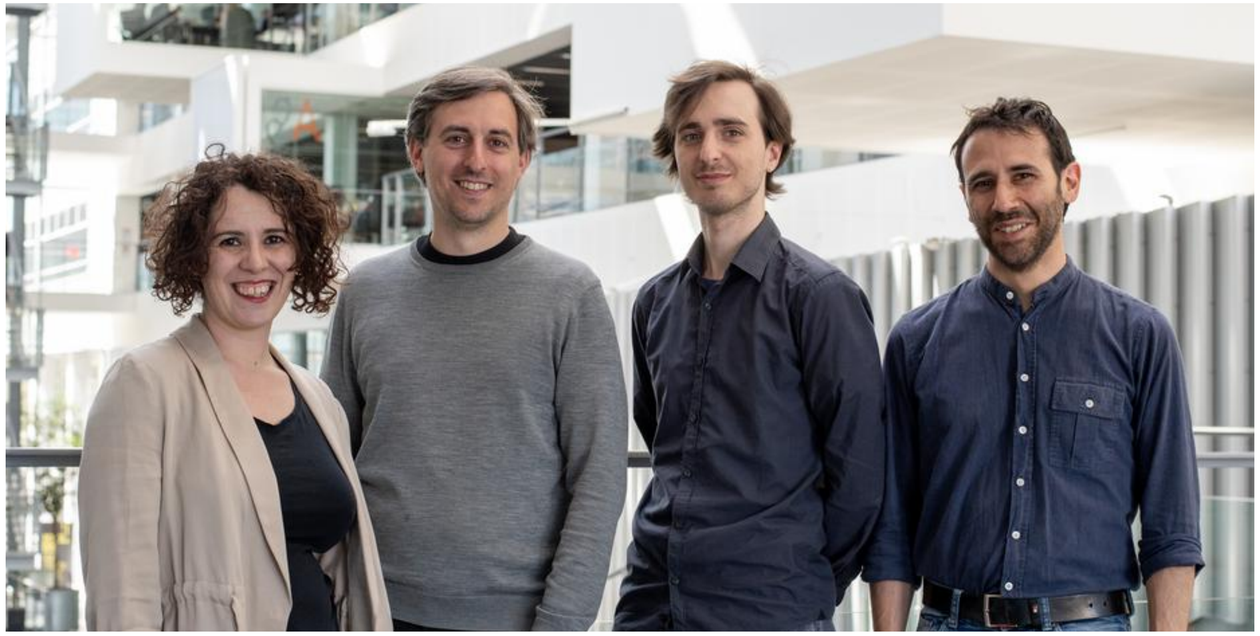
# Projects for the Research Project Market
# ITU, Aug. 26th 2019

# NEtwoRks, Data and Society (NERDS) research group

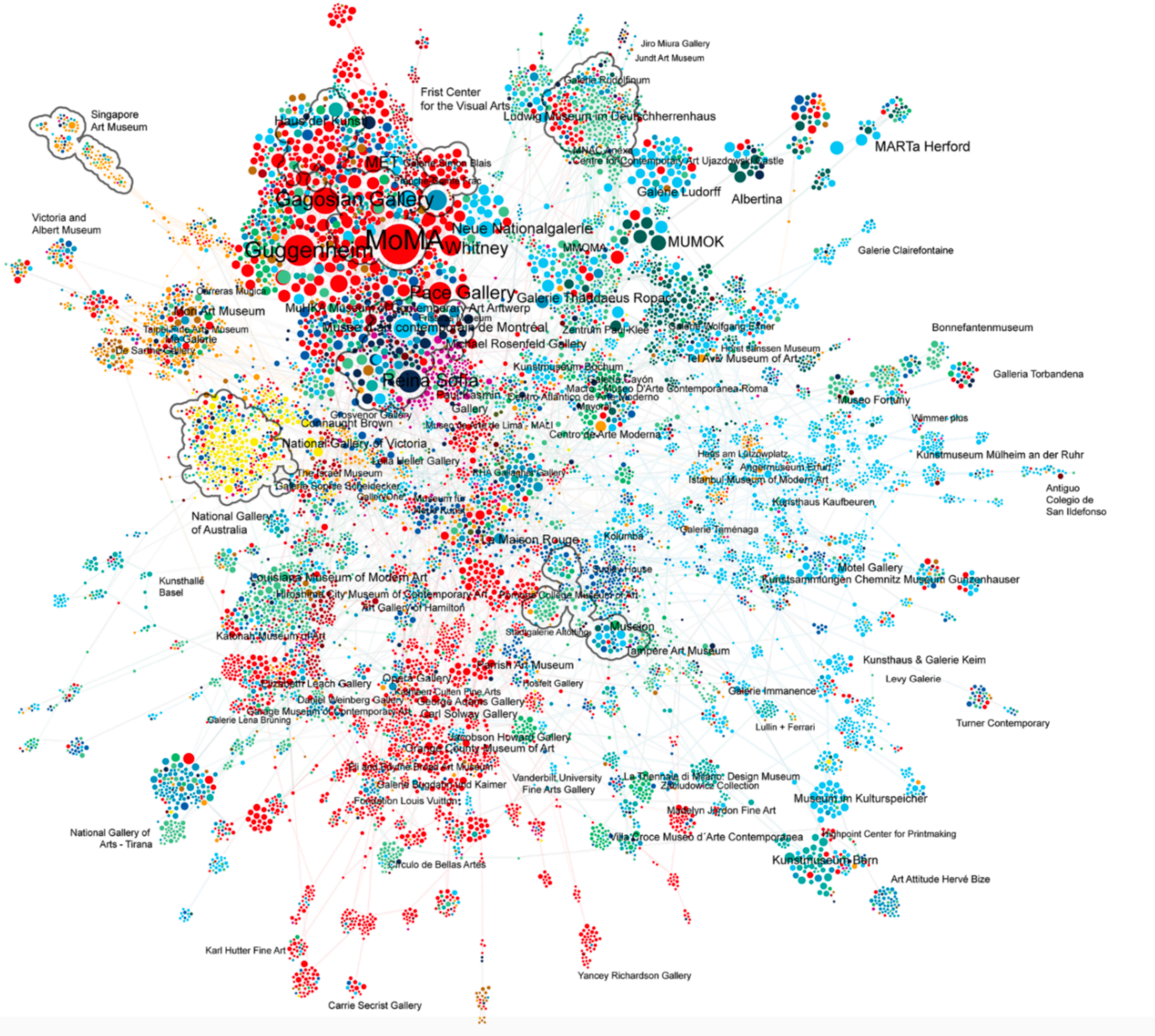


https://nerds.itu.dk/

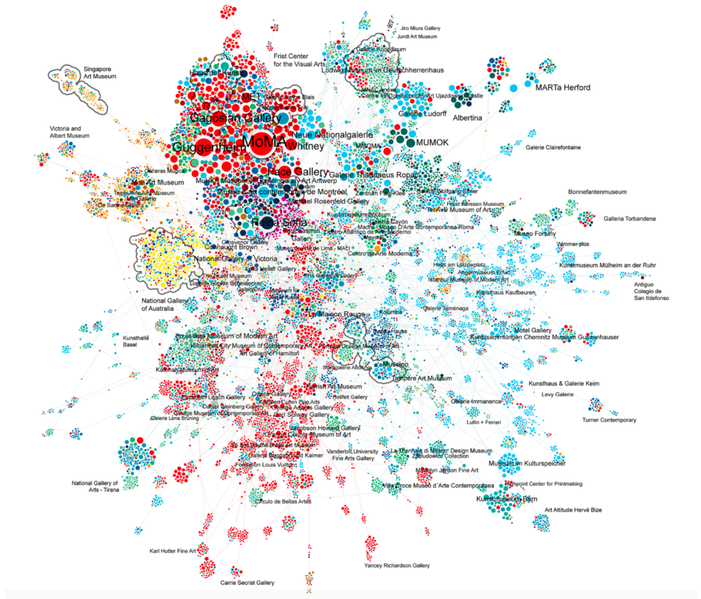
# NEtwoRks, Data and Society (NERDS) research group

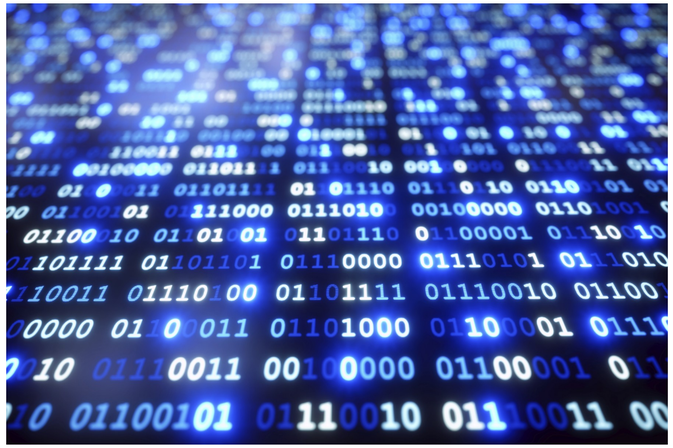
https://nerds.itu.dk/

# Our expertise is network science



# We research network and data science applications to social systems



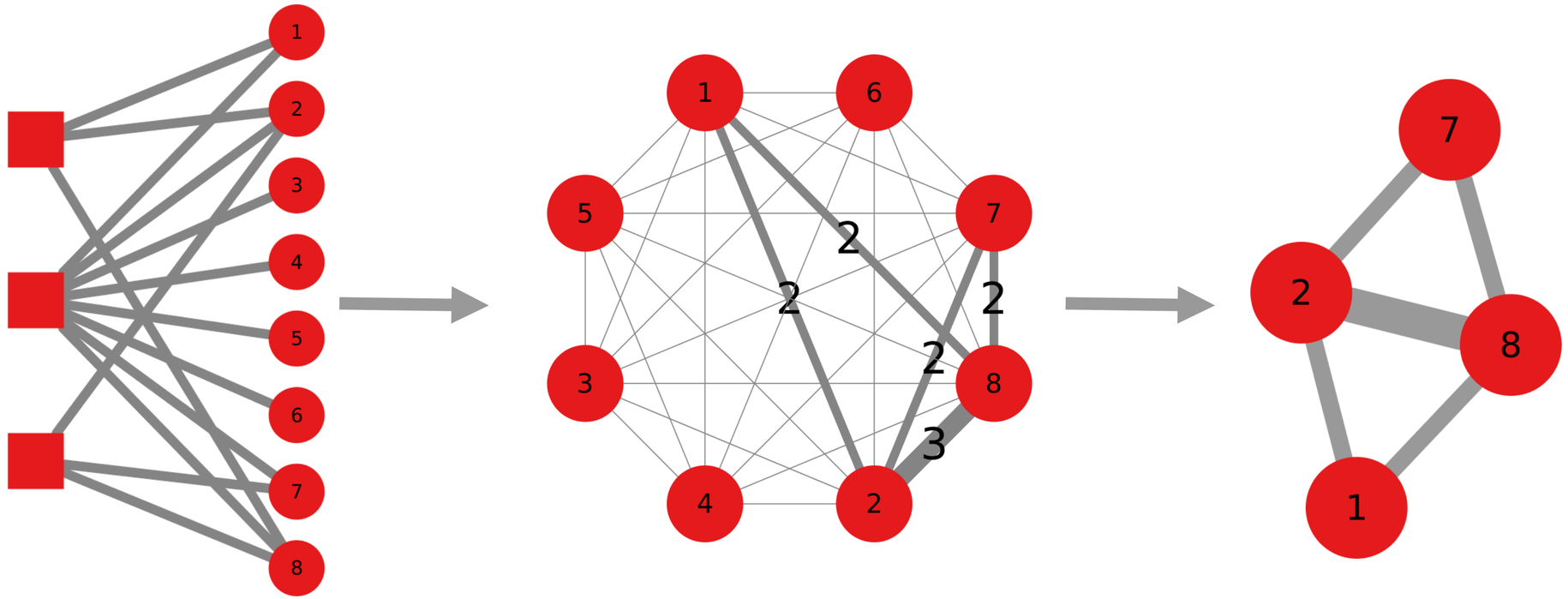



# We research network and data science applications to social systems

4 projects

# (Project 1), Projecting and backboning bipartite networks

Supervisor: Michele Coscia, Luca Rossi. Recommended for SD and CS students

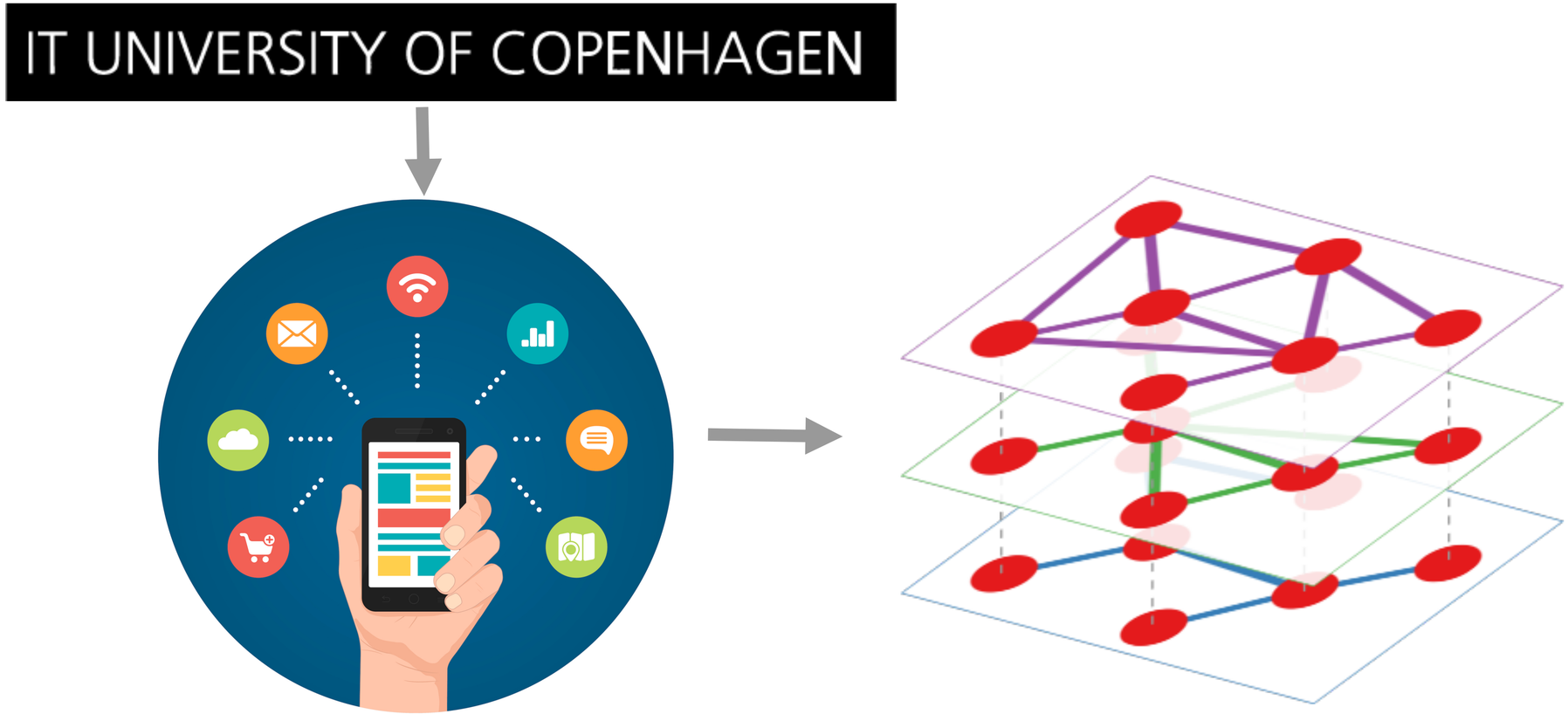



More project ideas:

http://www.michelecoscia.com/?page_id=1626 (4E04)

# (Project 2), Creating and analyzing the ITU multi-layer network

Supervisor: Michele Coscia. Recommended for CS students

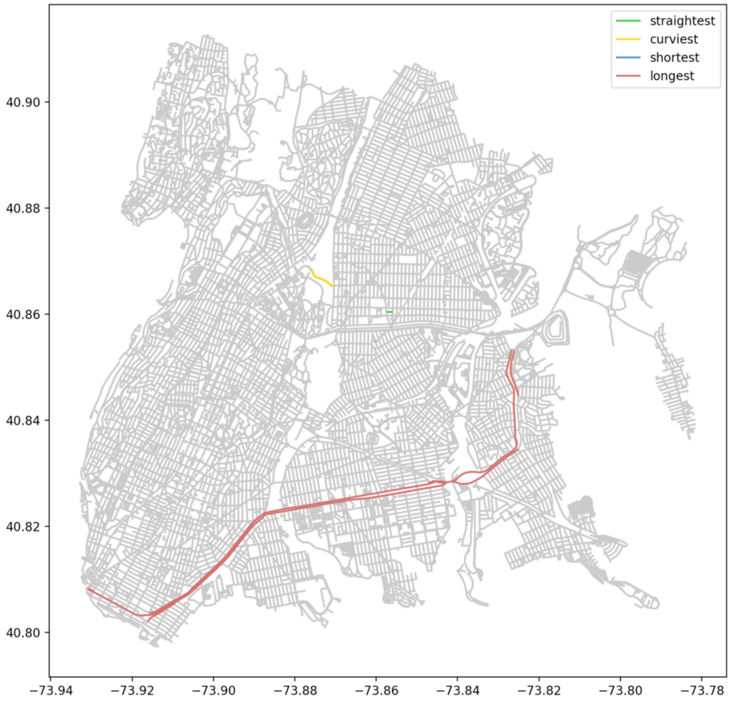


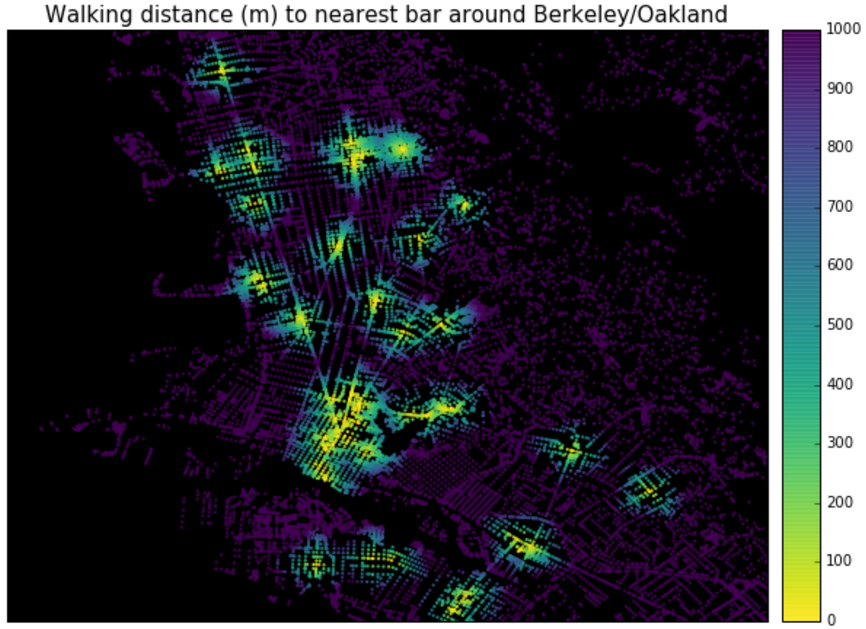

More project ideas:
http://www.michelecoscia.com/?page_id=1626 (4E04)

# (Project 3) Use OSMnx to explore urban infrastructure networks

## Supervisor: Michael Szell. Recommended for CS students

**Accessibility/walkability:** https://github.com/gboeing/urban-data-science/blob/master/20-Accessibility-Walkability/pandana-accessibility-demo-full.ipynb



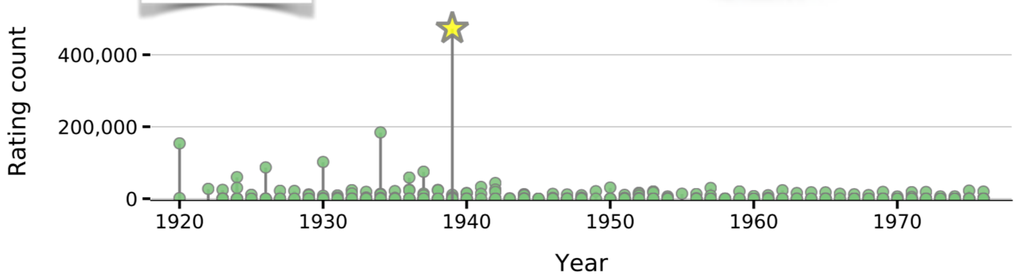

**Rad roads:** https://medium.com/a-r-g-o/rad-roads-using-osmnx-68fc8b15f046

michael.szell.net (4E04)

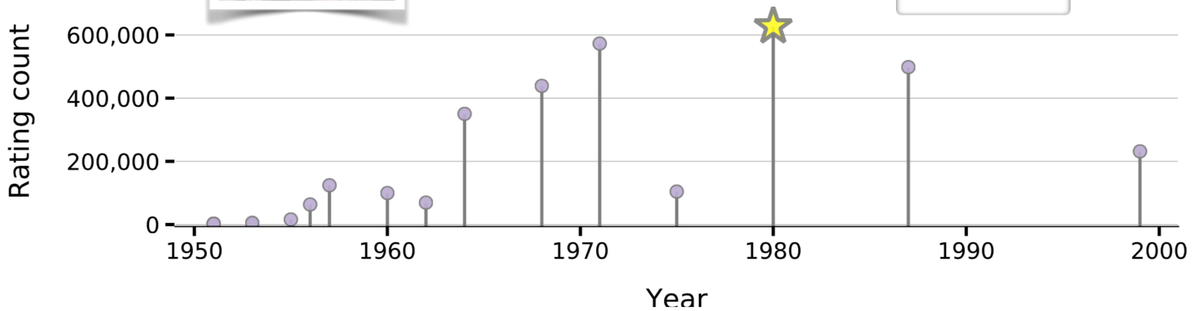
# (Project 4), Gender differences between movie director careers

## Supervisor: Roberta Sinatra. Recommended for SD and CS students

**George Lucas**



**Jane Campion**



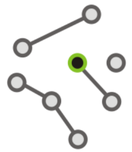
Work with IMDb data

Learn and use time series analysis tools

Learn and use network analysis tools

Perform data mining and prediction tasks

Make connections with Computational Social Science



www.robertasinatra.com (4E13)

All the proposed projects can have the format
Research project (7.5 ECTS) + Thesis (30 ECTS)

Drop us a line to meet and
discuss these projects in more details