

**CORSO DI LAUREA IN COMUNICAZIONE E SOCIETÀ  
CORSO DI LAUREA IN COMUNICAZIONE PUBBLICA E D'IMPRESA  
MA IN PUBLIC AND CORPORATE COMMUNICATION**

**DATA VISUALIZATION LAB  
Dr. Tommaso Elli**

This course aims at introducing the basics of data visualization. After a brief introduction to the history of data visualization and question-driven research, students will be presented with some of the most well-known tools, all free or open-source, and will learn how to use them to address a data-driven inquiry in a visual fashion. The course is organized in 5 lessons that mostly consist in tutorials, practical exercises, and development of group work.

Contents of the course will include introduction to visualization and visual encodings, use of spreadsheets (Microsoft Excel, Google Spreadsheet, Open Refine), visualization of tabular data (RAWGraphs), visual network analysis (Gephi), visualization on maps (KeplerGL), staging and authoring of visualizations (Microsoft Powepoint, Google slides, and, maybe, Figma, Penpot).

Enrolled people will work in groups and will deliver a small visualization project, in the form of a slides presentation. The theme will be free choice of students with data selected from open-data portals (e.g. Kaggle, Our World in Data).

No specific previous skills are required, but it is suggested to be independent users in the management of digital devices and digital resources.

**Course schedule:**

Tuesday	8 November 2022	from 10.00 to 13.00
Tuesday	15 November 2022	from 10.00 to 13.00
Monday	21 November 2022	from 14.30 to 17.30
Tuesday	22 November 2022	from 10.00 to 13.00
Tuesday	29 November 2022	from 10.00 to 13.00

The course will be held online using Microsoft Teams.

Participants will receive technical instructions by email before the start of the lab.

**Criteria for admission**

The course will be held online using Microsoft Teams. Participants will receive technical instructions by email before the start of the lab. The first 30 applicants will be admitted.

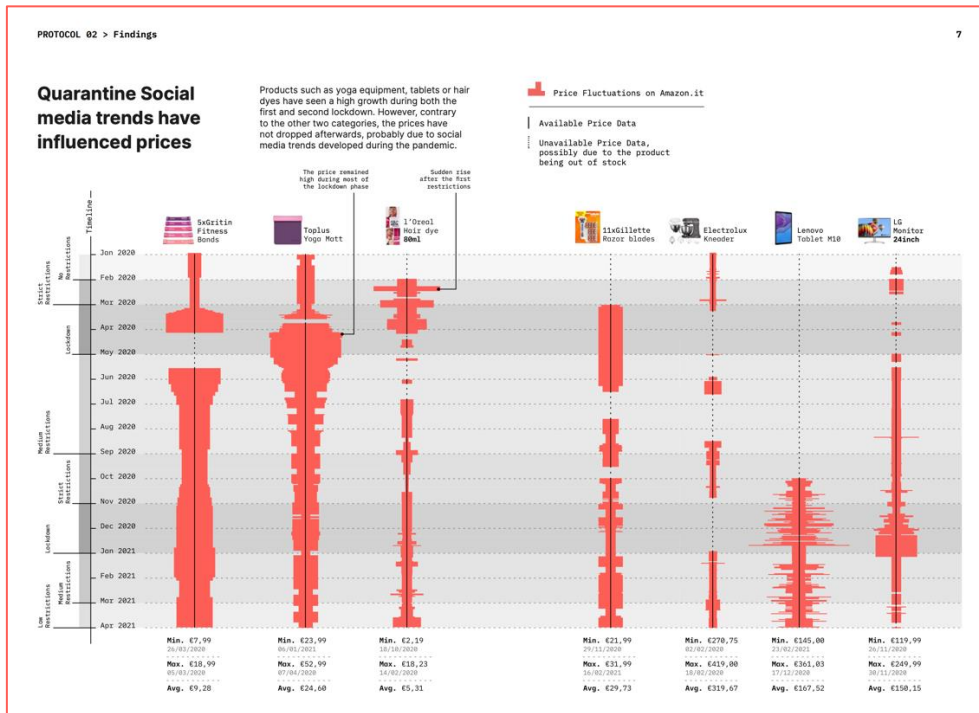
Please note that the attendance is mandatory in order to gain 3 credits.

**Registration**

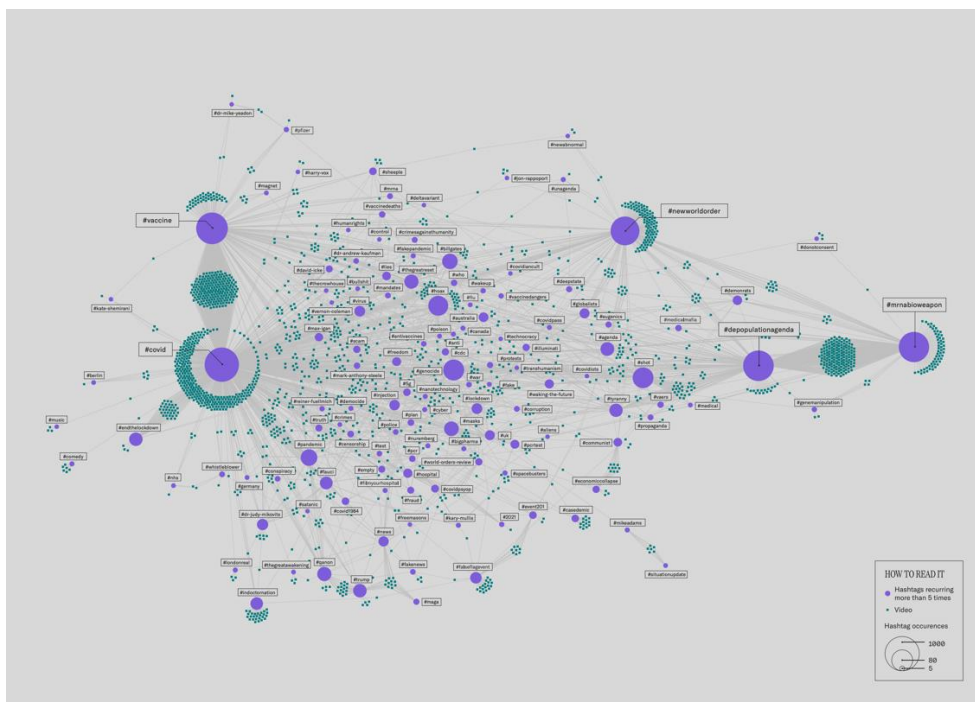
Using the online form <https://forms.gle/68J3NzFfBv9ZuS8FA>:

From 25 October 2022 - from 12.00

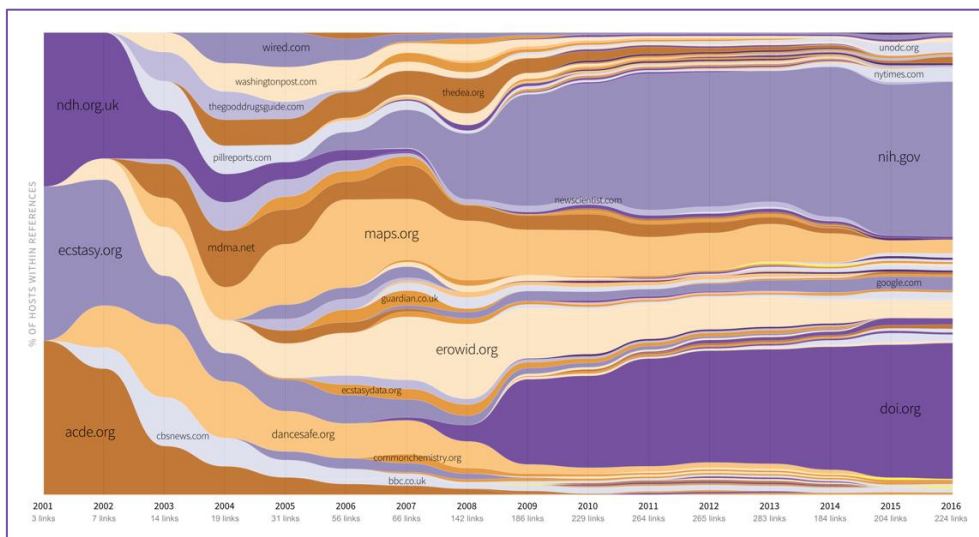
## Some examples



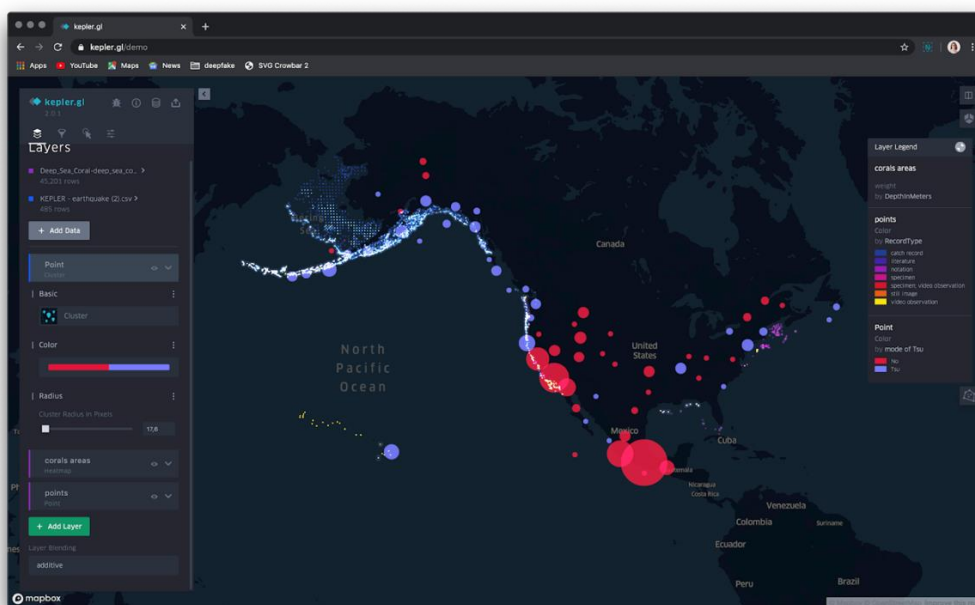
The materiality of Covid-19. Densitydesign Final Synthesis Studio 2021/22, Group 7 ([link](#))



Among the Plandemic Thruthers. Densitydesign Final Synthesis Studio 2021/22, Group 2 ([link](#))



Chemical knowledge. Establishing and stabilizing knowledge of psychedelics and designer drugs on Wikipedia ([link](#))



Example of visualization made with *Kepler.gl*