

DEFINITION AND IMPORTANCE OF COMPUTATIONAL SKILLS



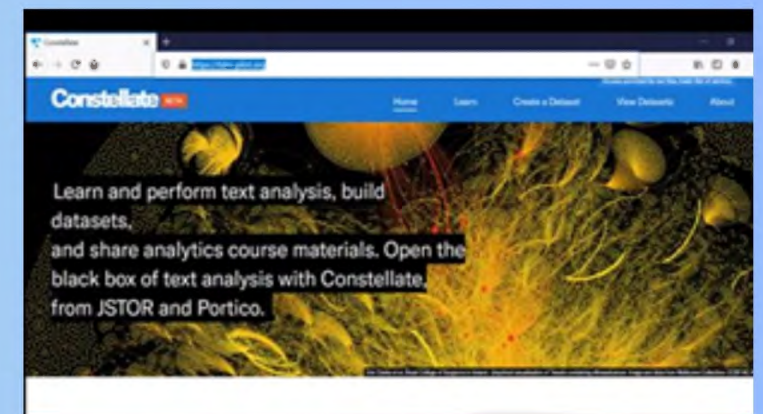
- Way of thinking (working with data and **automation**)
- Digital knowledge (Informatics)
- Knowledge about data (**interpretation**, domain knowledge)

Skills to work **critically** with data



Textual data, or turning words into numbers

Analyze data extracted from texts



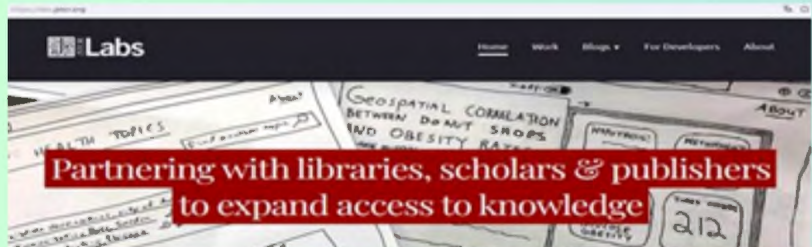
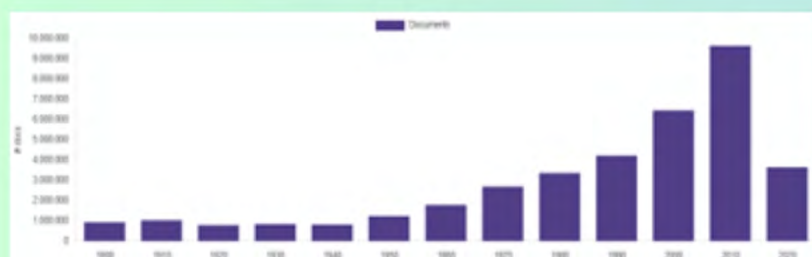
- **contents** detection (Tomasi, 2022)

Data visualization, or **contents** representation through

- **computational** processes (Ciotti, 2023)

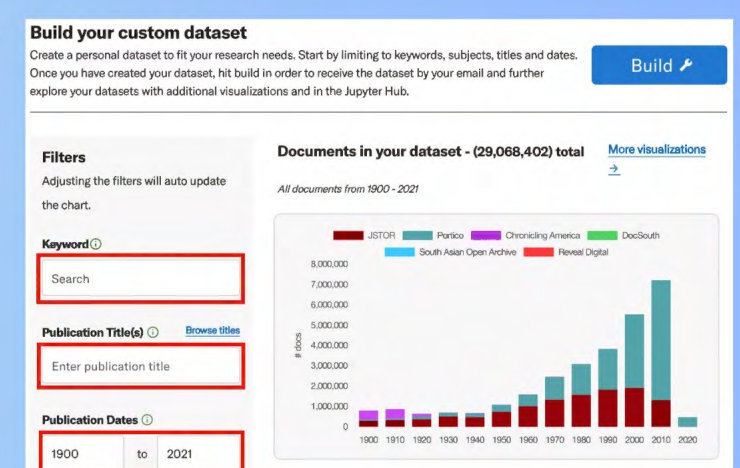
The **Constellate** partnership (2020-2025)

- A JSTOR Labs' project, from the prototype TDM pilot to the Constellate Lab
- Starting on JSTOR Archive **contents** (but not only)
- Constellate “a platform to teach **learn**, and perform **text analysis** with scholarly and primary source **content**” (constellate.org)
- Open education (Git-Hub, the TAP Institute 2021-2024)



Knowledge acquisition

- A unique example of offering learning going beyond proprietary data valorization
- An environment respectful of propriety rights (non-consumptive features data-sets)
- A **learning environment** enabling empowerment and customization (the Constellate Lab)
- Knowledge sharing and a community of practice (copy-left material, Constellate Club, Slack channel, Skill-Build Programme)



THE NEW SERVICE WILL SUPERVISE

RESEARCH SUPPORT

Support **research enterprise** by means of **text analysis**

- Information extraction (insights)
- Information retrieval and discovery (sources)
- Information to assess research ideas (brainstorming and **data-driven science**)
- From Information retrieval to Data literacy and text analysis courses (2021 first course and from 2023 on)
- **2025, launching of the brand-new local services**

Digital scholarship and research enterprise services

- Complementary **research methodology**
- Application to textual data (or texts, not only for Digital Humanities, but over disciplines)
- Replace, complete or **customize** information extraction services embedded in platforms working only on proprietary **contents**
- Create **corpora** to assess research hypothesis in a **data-driven approach**

The views expressed in this poster are personal and have no relation with ITHAKA and JSTORLabs

REFERENCES

- Ciotti Fabio (edited by) “*Digital Humanities. Metodi, strumenti, saperi*”, Collana Studi superiori, n. 1376, Teoria della letteratura e critica letteraria, Roma, Carocci editore, 2023, p. 47
- Constellate website: <https://constellate.org/>
- Tomasi, Francesca “*Organizzare la conoscenza. Digital Humanities e Web semantico. Un percorso tra archivi, biblioteche e musei*”. Milano. Editrice bibliografica, 2022, pp. 140-141