Mapping in the Digital Liberal Arts: Models, Methods, Futures

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جامعـة نيويورك أبوظبي
NYU | ABU DHABI

Overview of today's webinar

Models

Methods

Futures

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Abstract

This webinar takes a look at some of the ways that making digital maps can enrich research and pedagogy in the liberal arts context. We will look at examples of digital projects organized largely around spatial dimensions of society and culture, as well as others that use maps as one of the many ways that their subjects can be better understood. We will look at what makes a strong mapping project from a dual perspective: the data that underlies them as well as their visual expression. Finally, we will discuss some of the basic skills for collecting and organizing spatial data and the challenges we face as mapping projects grow. No technical expertise is required for this webinar.

Models

Why mapping?

- By mapping, I mean *digital mapping*.
- *Subject agnostic*: can be applied to many fields.
- Stresses the *real-world situatedness and local complexity* of any topic, "finding" the place on the map.
- *Longitudinal*: mapping is "not a one-time thing" (Presner et al).
- *Intentional, critical mapping*: mapping as opposed to being mapped.
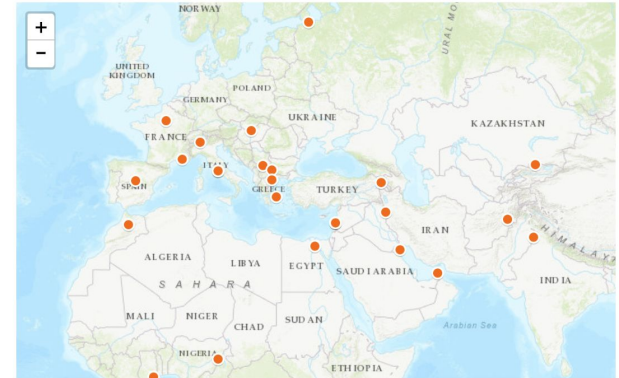- *Data-centered:* excellent for learning data literacy/manipulation skills.

Why mapping for the (international) liberal arts model?

- Close relationship to locality, place - makes for *experiential learning, research*
- Ability to work with archivists - *brings primary sources into the classroom*
- Strong visual element - complements other scholarship/pedagogy, *different learning styles*
- AMICAL consortium spread around Europe, Africa, MENASA - effective in *cultural ambassadorship*
- Critical pedagogy - opens a window for *critical discussion of privacy, device-centered student life*

AMICAL Consortium   MENU

Member institutions

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Going to the Show

http://gtts.oasis.unc.edu/

Placing Segregation

dsps.lib.uiowa.edu/ placingsegregation

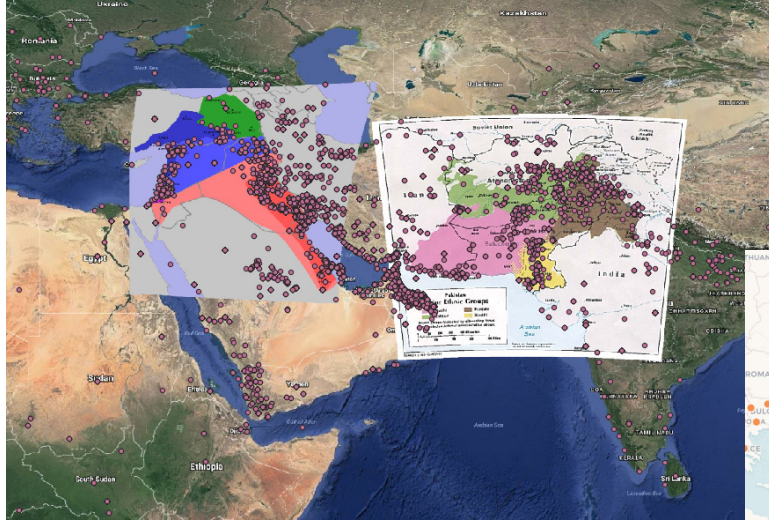# Street Art
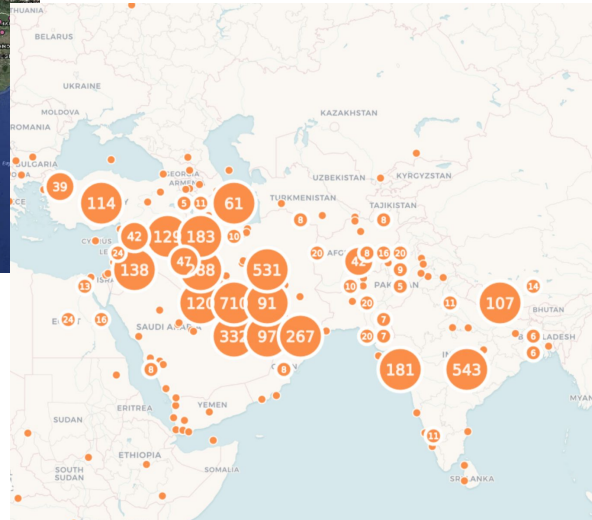
Giovanni Vitali

https://goo.gl/36bLyk

Multilingualism in the Streets

Llbeirut.org

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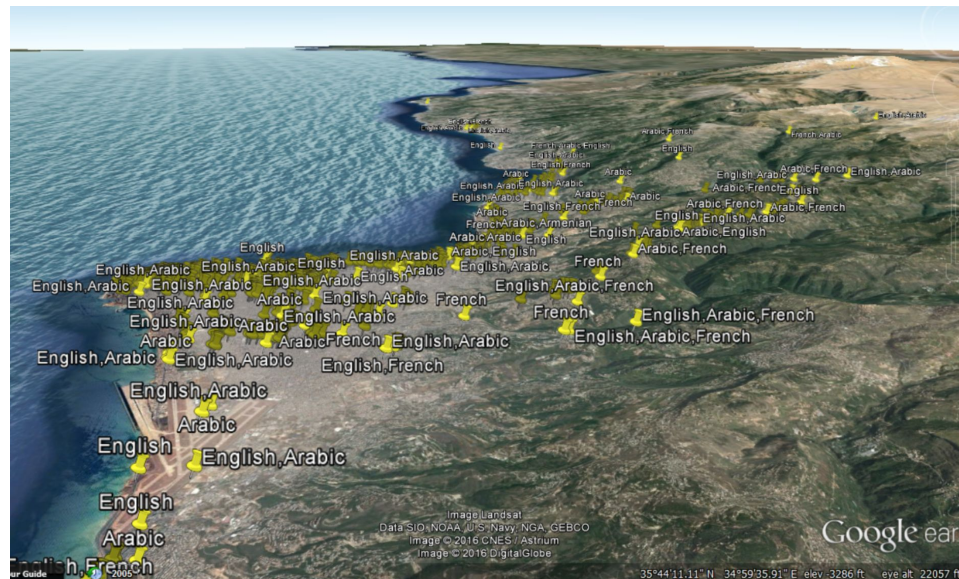
Mapping Colonial Knowledge
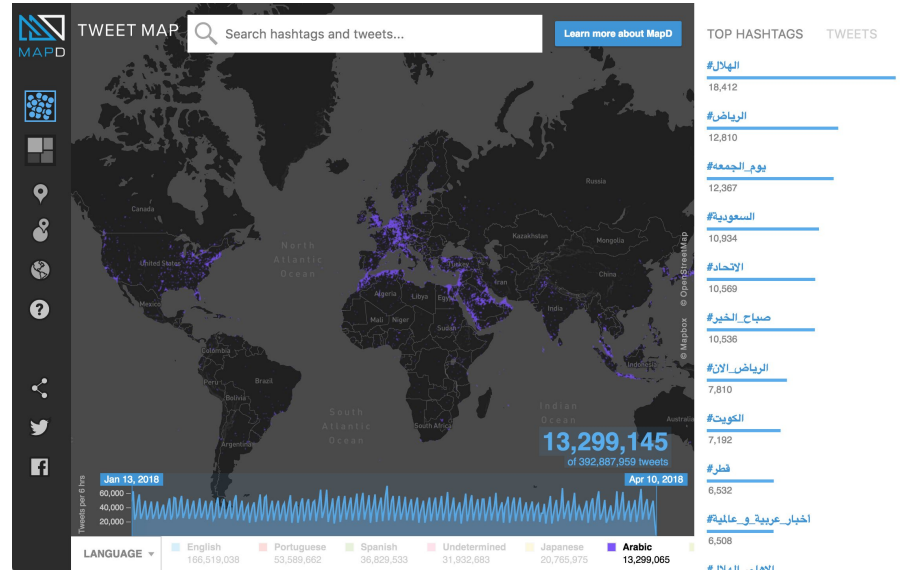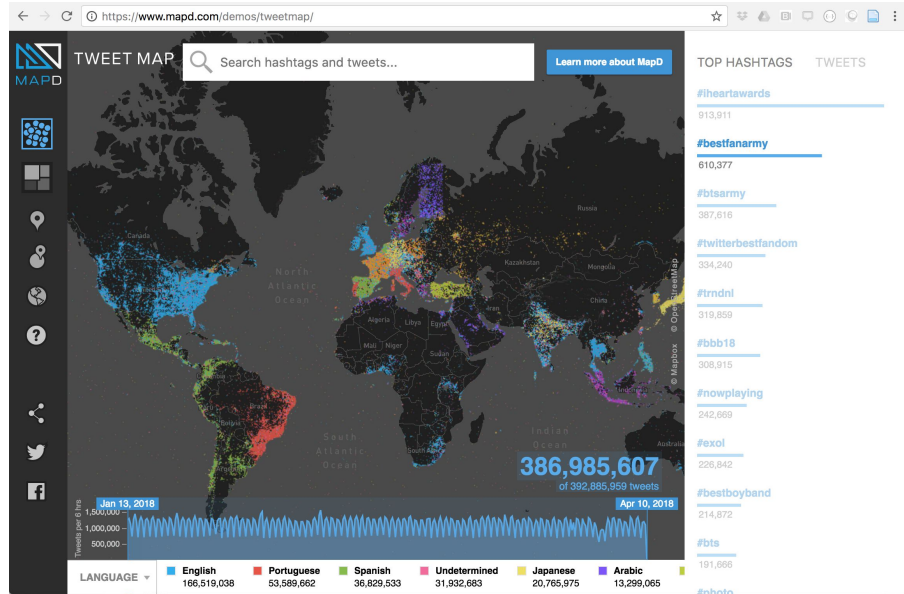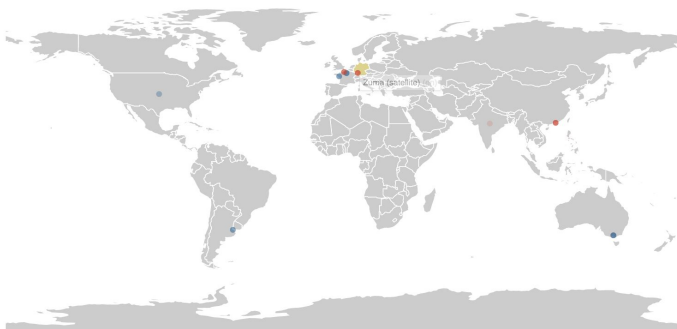

https://github.com/MappingLorimer

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Live, social geodata (mapd.com)

Mapping Wikipedia edits, across languages

Rcmap.hatnote.com

Real-time wikipedia edits by location of user or IP address, here shown:

- Arabic
- English
- French
- Japanese
- Spanish
- Russian
- Hindi

Edits in Wikipedia

https://www.flickr.com/photos/2240 2885@N00/3821069672/in/photostr eam/

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Methods

How do we make maps? Build maps?

- text

How do we make maps? Build maps?

- Text
- Other (historical) maps

How do we make maps? Build maps?

- Text
- Other (historical) maps
- From other's data (e-government, etc)

How do we make maps? Build maps?

- Text
- Other (historical) maps
- From other's data (e-government, etc)
- devices

Mapping in a few skills

- Collaboration
- Data modeling
- Data manipulation
- Layering
- Visual semantics
- Image manipulation
- Georeferencing
- Basic data structuring

Futures

(including the challenges)

Geospatial work given limited internet/data

2018.foss4g.org/programme.html

Urban

- Pollution in cities
- Greening Transports
- Urban Planning
- Informal Settlements detection

Coastal, Marine and the Environment

- Sensitivity Mapping
- Sea level rise
- Illegal Fishing
- Pollution
- Marine Spatial Planning

Widening Access and Humanitarian Mapping

Geospatial applications in low speed internet countries, how to cope in the age of Cloud Based Geospatial technologies, the role of the crowd.

- The role of the crowd
- Widening Access: Community
- Widening Access: Technology
- Humanitarian Mapping
- Sustainable Development

- Geospatial applications in Low speed internet countries
- How to cope at the age of Cloud Based Geospatial technologies.
- The role of the crowd
- Widening Access: Community
- Widening Access: Technology
- Humanitarian Mapping
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Drones:

- Aerial
- Underwater
- OpenSource Workflow,
- Fleet management software

http://2018.foss4g.org/

Open Source Geospatial

Dar es Salaam

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Maps (and different ways of visualizing map data)

Medieval.place

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Future issues

-Changing mapping platforms
(will Carto / MapBox / Boundless / Voyant / Omeka exist?)

-Sharing our Data : spatial data repositories, formats

-open data portals
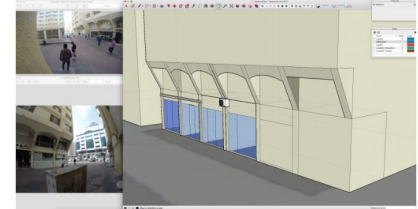
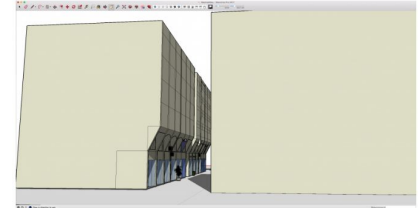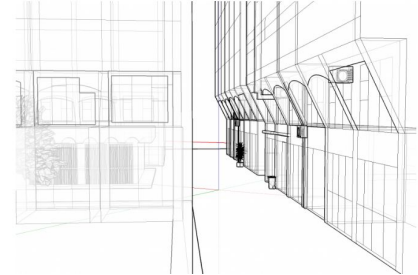-geolocation isnt just for maps anymore (drones, 3d)

Figure 2

Figure 3

http://beetroot.hosting.nyu.edu/

Want to know more?

-Association of Digital Humanities Organizations (ADHO) has a *GeoHumanities SIG*

-*Open Street Maps* (OSM) has mapping activities all around the world

-Mapping courses at <u>digital humanities training events</u>

       DHIB / DHSI / ESUDH

-check out the teaching tab of my own website djwrisley.com

-reach out to colleagues in your own institution: *media*, *geography*, *data science*

ESU DH - Humanities Data and Mapping Environments

17-27 July 2018
Leipzig, Germany

"designed for the total beginner who would like to explore how a spatial dimension can enrich humanities and interdisciplinary research projects and who would like to learn some basic skills for collecting and organizing data in order to be able to integrate such methods into their research workflows."

http://www.culingtec.uni-leipzig.de/ESU_C_T/node/930