

REVOLUTIONIZE YOUR RESEARCH FOR TODAY'S DIGITAL WORLD

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Brandeis University

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Access this PDF presentation + a
comprehensive guide of resources at

<https://tinyurl.com/digscholbasics>

THINKING ABOUT YOUR RESEARCH, DIGITALLY

- What counts as DS?
- Why bother with digital scholarship?
- Core digital scholarship skills/approaches
- How to train @ Brandeis

Digital Scholarship

Digital Humanities / Digital Social Sciences / Digital History / Digital Archaeology / Digital Literature / Digital Anthropology / Digital Science Communication / etc.

Digital Scholarship \neq Using digital tools

Digital Scholarship = Examining the impact of certain digital tools/methods (or a lack thereof) on your research project

Why am I using this digital tool/method/dataset?

- Am I discovering anything new?
- Is it hindering my learning/discovery?
- Are the extra steps worth the effort?
- Am I removing or reinforcing disciplinary barriers?
- Can I improve public dissemination/engagement?
- What are the limitations of digital technology? What precautions should I take?

Digital Scholarship \neq Using digital tools

THINKING ABOUT YOUR RESEARCH, DIGITALLY

- What counts as DS?
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You'll get to rethink + reframe your research

Yes, this is a good thing.

- Why am I using it?
- Am I discovering anything new? Is it preventing me from understanding/learning?
- Are the extra steps worth the effort?
- Am I removing or reinforcing disciplinary barriers?
- Can I improve public dissemination/engagement?
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You'll communicate better with other disciplines

- Support the core SJSU website with continually updated graphics, multimedia and visual user-interface improvements.
- Support the visual development of communications outlets including the university's social media pages, SJSU NewsCenter, Washington Square digital magazine, and various university webpages per key initiatives/projects.
- Design web interfaces and **collaborates with the communications team** and other stakeholders on the development of interface pattern libraries.
- Apply universal design principles ensuring accessibility of digital content and applications.
- Contribute to web project planning, strategy and documentation.
- Collaborate with developers on components requiring development, scripting and programming.
- **Collaborate with technical and creative contributors** to coordinate changes to SJSU's interface design patterns and templates.
- Create web and interface concept sketches, flows, wireframes, mockups, and prototypes to support the design process.
- Conduct user research using formal and informal methods, **interpret user needs**, gather requirements by consulting stakeholders, analyze web analytics, and assess current interfaces.
- Align content strategy initiatives with user experience project plans.
- **Work closely with the digital and creative team** on content sourcing, requirements, taxonomies, and metadata.

This is an entry-level web designer ad on LinkedIn (9/26/23)

If you're in a "non digital" discipline, you'll stand out

Table 12

Doctorate recipients, by major field of study: Selected years, 1990–2020

NSF, Survey of Earned Doctorates

(Number and percent)

Field of study	1990		1995		2000		2005		2010		2015		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Foreign languages and literature	512	1.4	639	1.5	642	1.6	607	1.4	601	1.3	656	1.2	564	1.0
History	612	1.7	889	2.1	1,061	2.6	924	2.1	1,005	2.1	1,146	2.1	887	1.6
Letters	1,060	2.9	1,548	3.7	1,612	3.9	1,389	3.2	1,516	3.2	1,583	2.9	1,392	2.5
Other humanities and arts	1,670	4.6	1,964	4.7	2,147	5.2	2,267	5.2	1,893	3.9	2,209	4.0	2,096	3.8

In 2020 **887 people** received PhDs in History

Since January 2021

120 full time, entry level faculty positions

287 part time faculty positions

were advertised for historians on *Higher Ed Jobs*

data collection

visualization

analysis

DIGITAL SCHOLARSHIP TOOLS + METHODS

data management

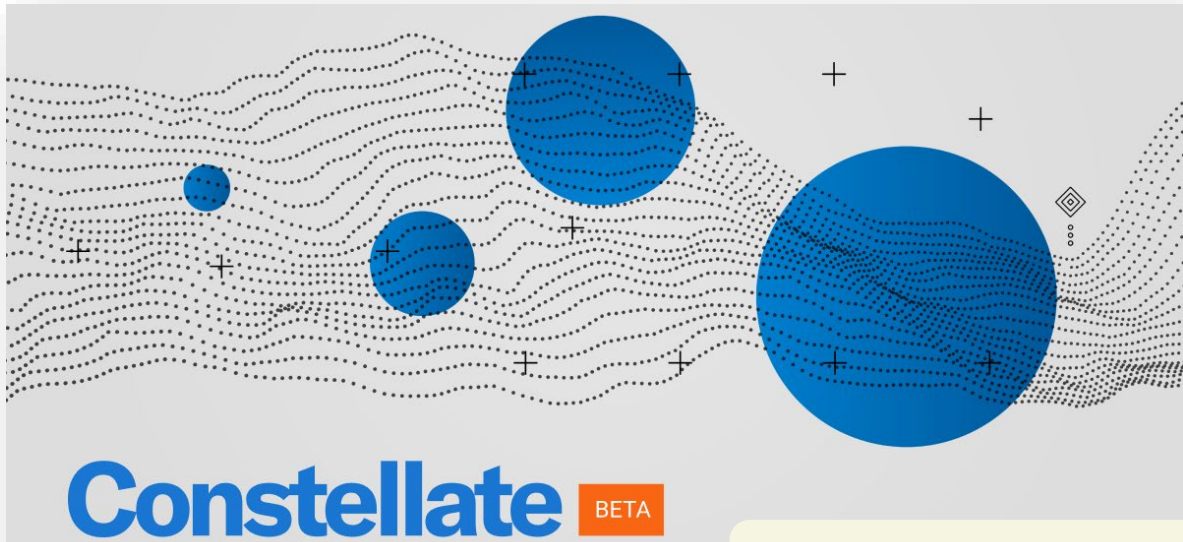
writing

outreach

dissemination

What are people publishing about +
how does it change over time?

HISTORIOGRAPHY



Pulls from JSTOR



Scopus

Pulls from Elsevier



Pulls from Twitter

sentiment viz

Tweet Sentiment Visualization

<https://constellate.org/>

Filters

✕ Clear Filters

Adjusting filters will auto update the chart.

Keyword ⓘ

Greece AND ancient AND mountain ✕

Publication Title(s) ⓘ

[Browse titles](#)

Enter publication title

Publication Dates ⓘ

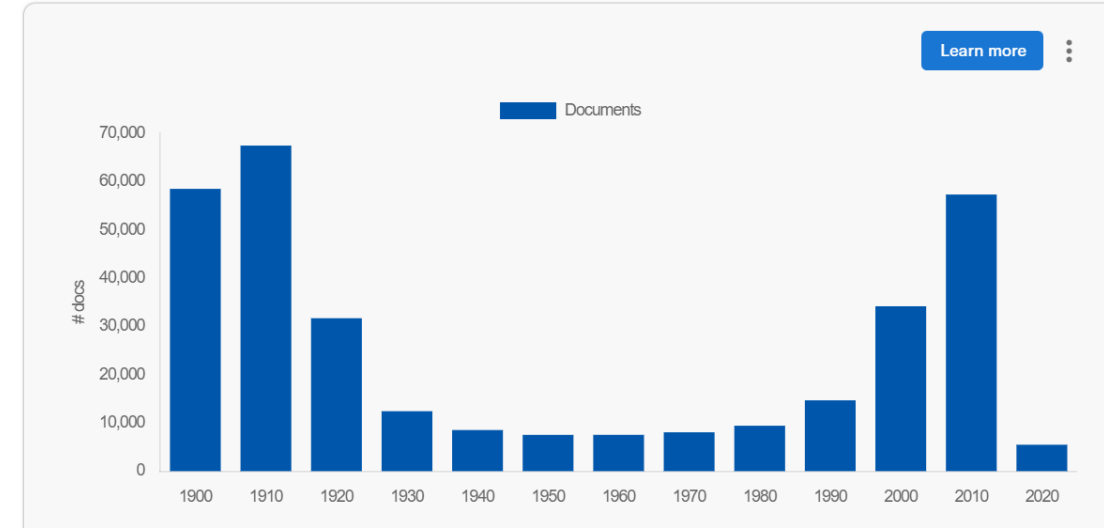
1900

to

2023

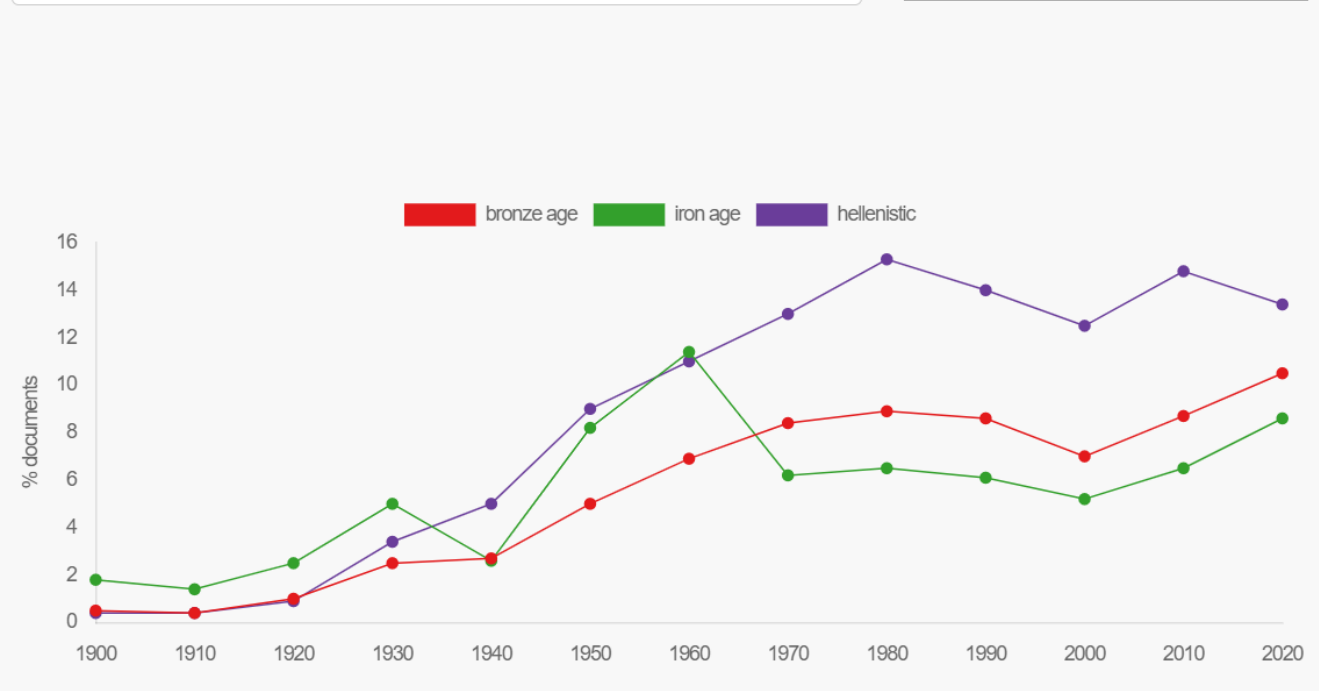
Your dataset results - (322,689 total documents)

Greece AND ancient AND mountain from 1900 - 2023



bronze age, iron age, hellenistic ✕

% of documents

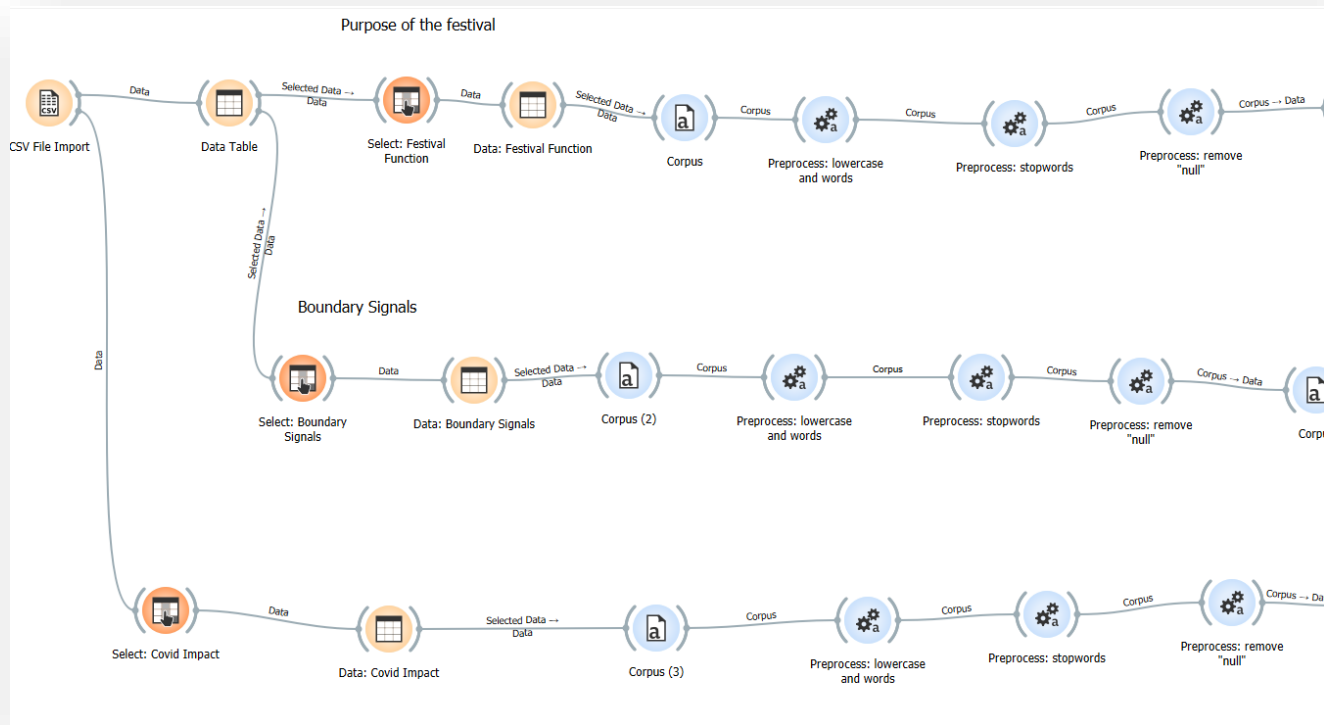


Software = Constellate

TEXT ANALYSIS

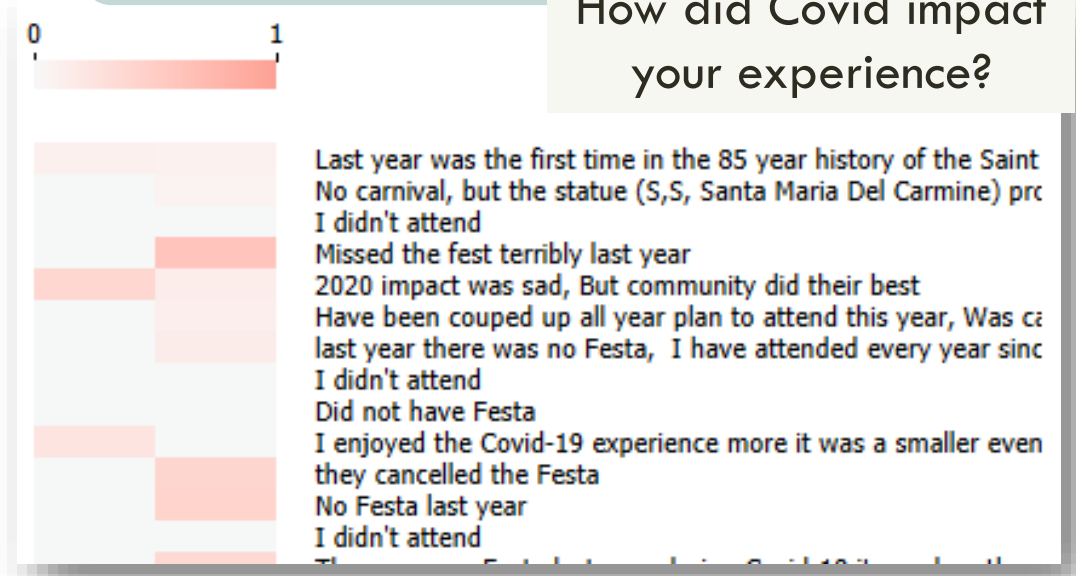
What words do people use most?

Have your own text? You can analyze patterns + detect tone of language



Is the tone negative or positive?

How did Covid impact your experience?



ChatGPT is a good option for in-class text analysis activities or testing your research questions



Tally the number of times different nature words are used



To tally the number of times different nature-related words are used in the passage, we'll count the occurrences of select nature words. Here's the tally:

- Rain: 5 mentions
- Forest(s): 6 mentions
- Trees: 14 mentions
- Watercourses: 1 mention
- Brooks: 1 mention
- Rivers: 1 mention
- Leaves: 6 mentions
- Willows: 1 mention
- Moss: 3 mentions
- Ferns: 2 mentions



Please perform a sentiment analysis of this passage and provide a numerical comparison of neutral, positive, and negative language



Here's a numerical breakdown of the sentiment in the provided passage:

- Neutral Language: 69%
- Positive Language: 18%
- Negative Language: 13%

Please note that this breakdown is based on a general assessment of the language used in the passage and may not capture the full complexity of sentiment in the text. Sentiment analysis is subjective and can vary depending on the interpretation of the text.

Software = ChatGPT
Text = selection from
Winds of Winter (Martin)

DATA VISUALIZATION

Spreadsheets help you organize, detect, and show trends



Questions Responses 92 Settings

Section 1 of 2

Temporary and Mobile Sacred Space at the Saint Mary of Carmine Festival (Nonantum, Massachusetts)

Please read!
You must be age 18 or older to participate in the study. You do not need to have any religious affiliation to participate.

The information in this consent form is to help you decide if you want to be in this research study. Please take your time reading this brief form and contact the researcher(s) to ask questions if there is anything you do not understand. The survey will take you less than 10 mins to complete.

“Last year was the first time in the 85 year history of the Saint Mary Of Carmine Festa that no activities happened at Pellegrini Park, The statue was taken though her regular processional and to the joy of the neighborhood i must say, However no tritium (Three nights of rosary prayer at the chuch) no 11 PM mass at the chuch as the typical culmination, It was during this limited year due to Covid-19 that the true spirit shown strong and was very heart felt”

Software = Google Forms

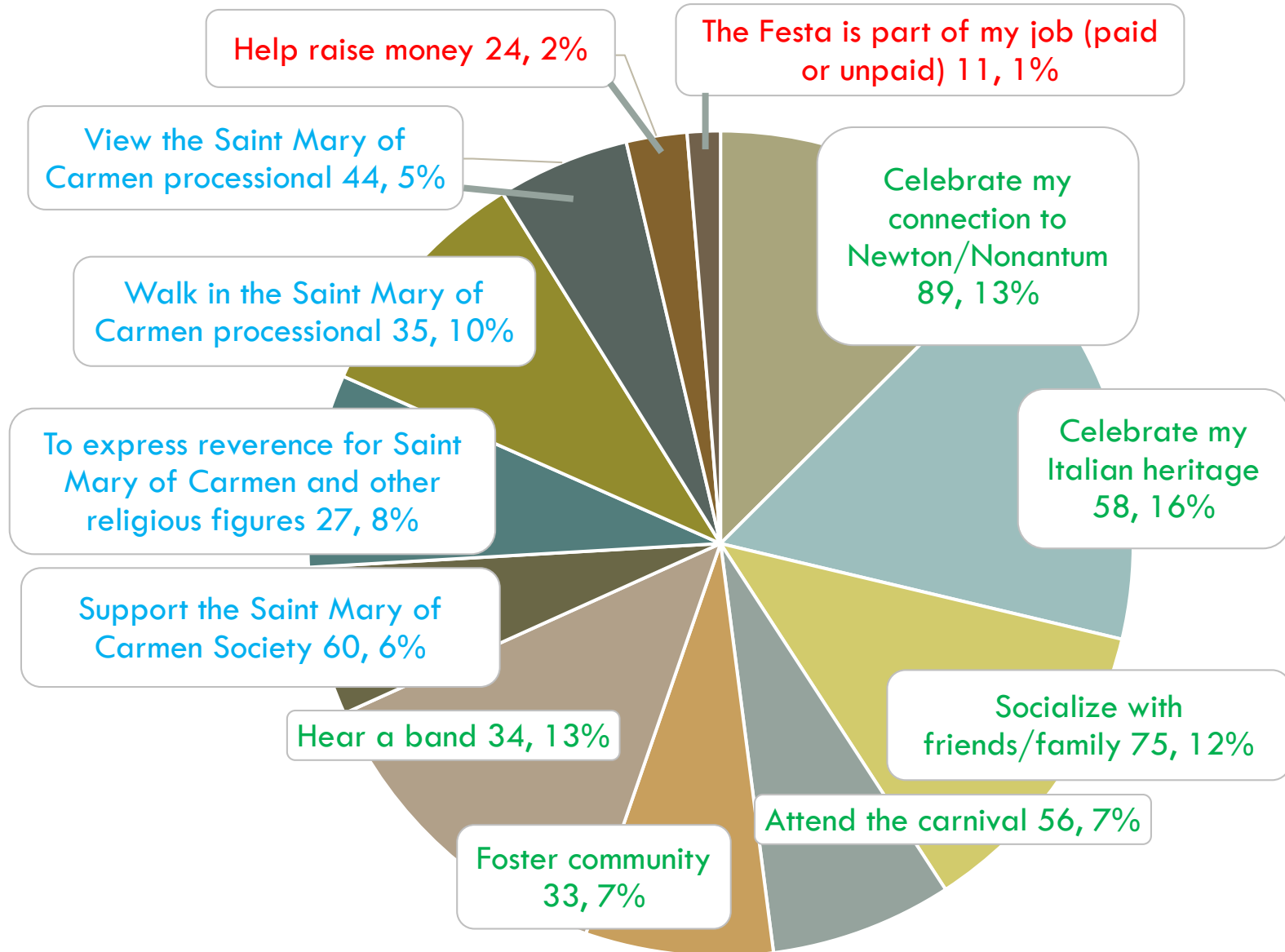
H	I	J
ID	Count	
Precedence of cancellation	3	
Statue processional	7	
Church services cancelled	1	
Community strength	1	
Covid precautions	9	
Carnival cancelled	2	
I didn't attend	12	
Sad it was cancelled	7	
Did not have Festa	16	
null	23	
Enjoyed intimate/smaller version	1	
No impact	11	
Covid showed true purpose	2	
Religious significance preserved	1	
Bands cancelled	1	
Family and friends are important	1	
Disagreed with cancellation	2	
Attended Mass	1	
View statue at church	1	
Smaller crowd	1	

Organize texts into meaningful thematic categories

Regular mass at the Lady's Help of Christians Church	14
Holiday services at Lady's Help of Christian Church	15
Village Day	5
Christmas tree lighting at Magni Park	8
Ciocaro Club or Son's of Italy Events	4
Multiple	6
Memorial Day Parade	5
Friends visits	2
Family visits	4
October banquet	2
Christmas tree sale	2
Unknown event	4
Massachusetts Italian Festivals	4
Funerals/wakes at Magni's Funeral Home	2
Funerals/weddings at Lady's Help of Christians Church	1
4th of July at Ablemarle Park	1
Adams Street Synagogue	1
null	55

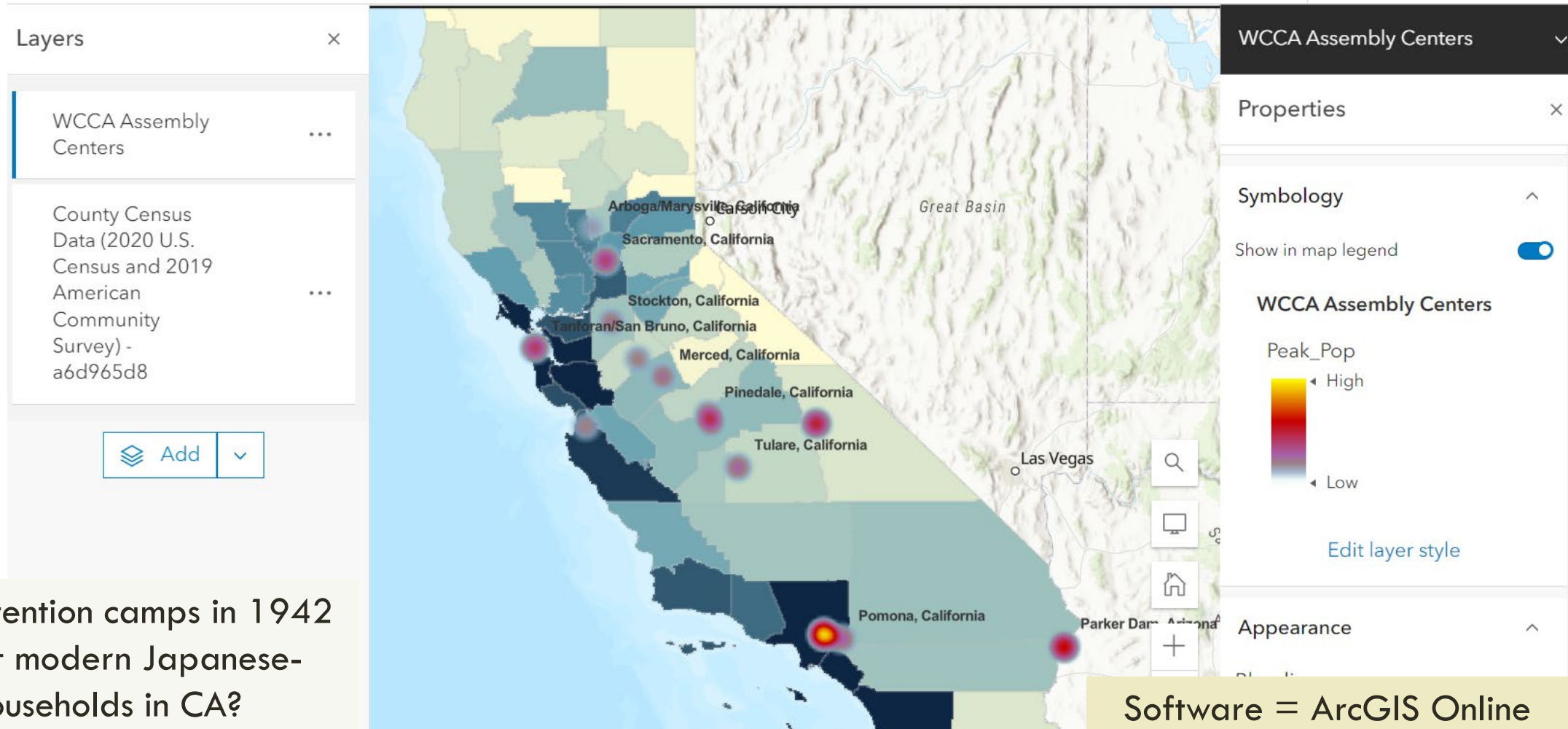
Create visuals

Why do you attend the Festa?



SPATIAL ANALYSES

Find + display relationships between different locations.



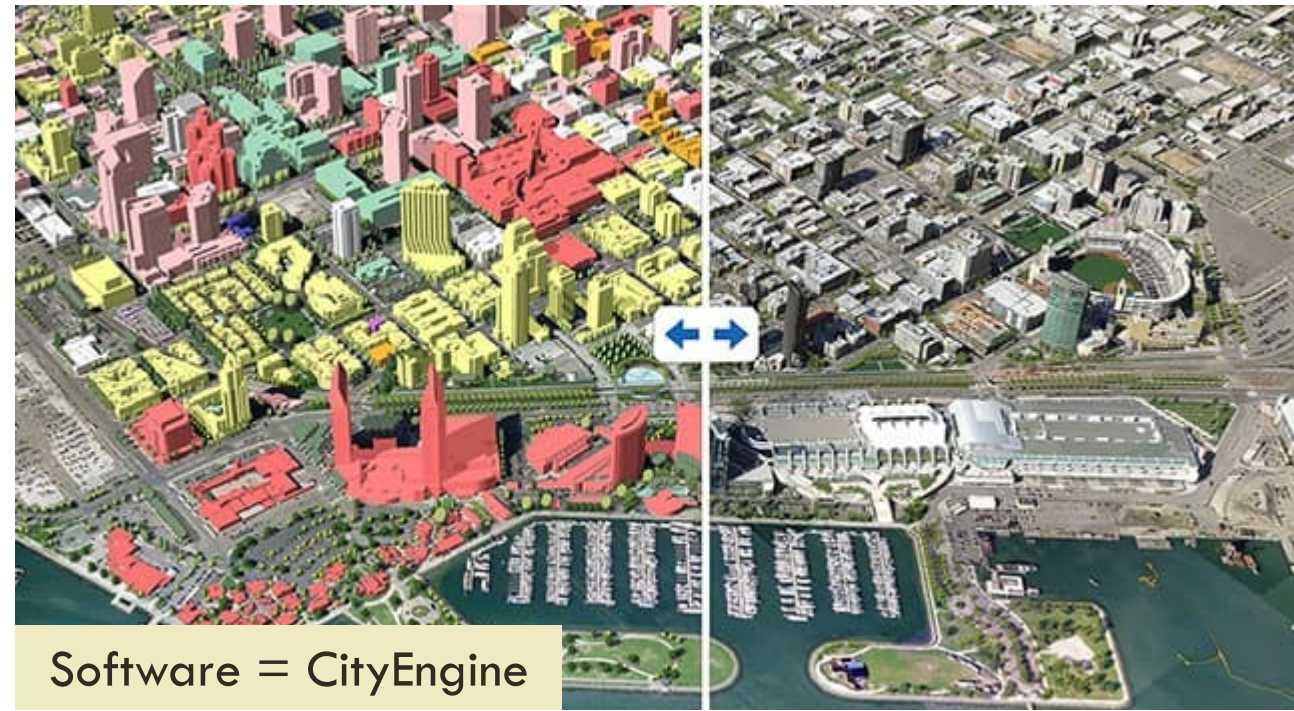
Did Japanese detention camps in 1942 spatially impact modern Japanese-speaking households in CA?

Software = ArcGIS Online

Software = ArcGIS Pro



Model
structures +
senses on the
landscape



Software = CityEngine

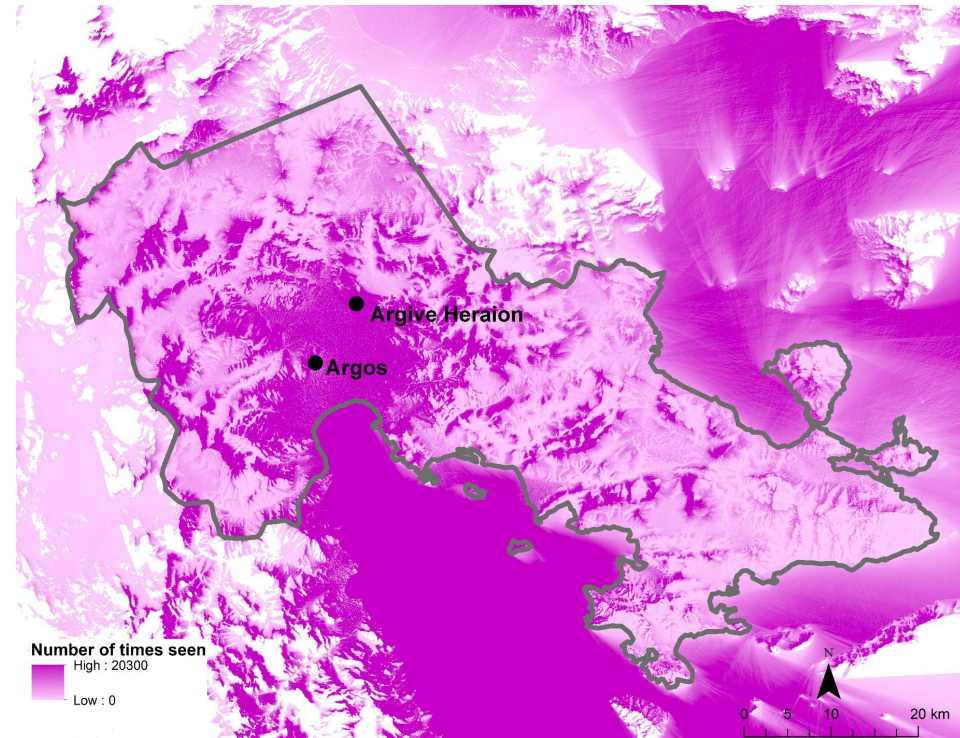
Source: ESRI

Software = ArcGIS Pro



Source: ESRI

Measure
feasible
pathways



Number of times seen

High : 20300

Low : 0

DIGITAL DISSEMINATION

Software = StoryMaps



Software = Juncture

Sensing Ancient Greek Processions

Natalie Susmann, PhD

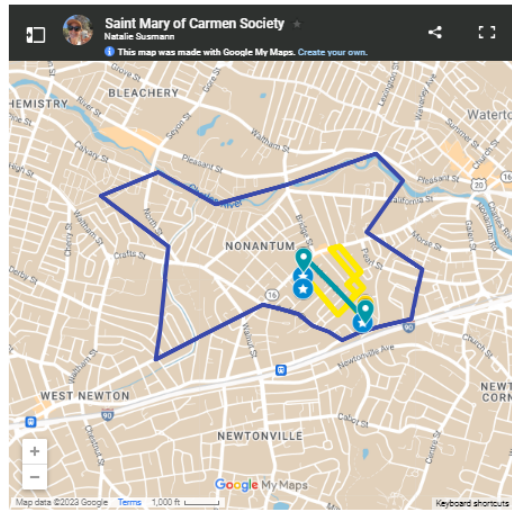
Ancient Greeks celebrated their gods with lively processions. We have a ton of archaeological and textual data to learn from, but it's difficult to imagine all of the different smells, tastes, sights, noises, and textures. This essay uses a modern religious festival in Massachusetts to explain why ancient processions were such spectacles. We discover that ancient Greek processional participants and spectators came together to shape this sensory experience.

Saint Mary of Carmen Festa in Nonantum, Massachusetts

...ng about future archaeologists and their research questions. They created these scenes for other and they all knew what a processional environment was like. This is why the Saint Mary of Carmen pro... this live procession, we can begin to understand what sensory data is missing from the archaeologi...

...armen Society hosts a multi-day... onantum, Massachusetts. Like most... e St Mary of Carmen Festa combines... secular, family-friendly events.¹¹... and concert series in Hawthorn... their scholarship and community

...n the last day of the Festa. The socie... tue out of Our Lady Help of... sh the statue through the streets of... s later, they arrive at the carnival. The... gates, eventually resting underneath... ter that night, the statue is returned... ks and the "Flying Angel" ceremony... nto the church basement, where it...¹²



Competing Visions of Eurasian Conquest

Representations of Central Asia in Board Games

Isaac Solly
December 18, 2022



Pictured: outposts, yurts, villages, horses. Virtually all resources in *Stroganov* are replaceable and infinite, including territories and hunted animals. (Image Credits: BGG).

Such a light-handed approach stands in stark contrast to the history of the region, which included hostage-taking and fur tributes with natives "subjected to much exploitation and cruelty" (8). One of the issues is that the game does not engage with the idea of contracted-out labor: in order to hunt in a region, a player must have their mobile "cossack" figure in

Your goals should align with the digital platform

- Who am I trying to reach?
- What message do I want to spread?
- For teachers: what are the assignment goals? (*beyond learning a “digital skill”*)
- Is my audience or my information at risk online?

WOMEN IN COMPUTING

In this sample timeline, we'll walk you through what TimelineJS can do by looking at some of the more important contributions women have made to computer science.

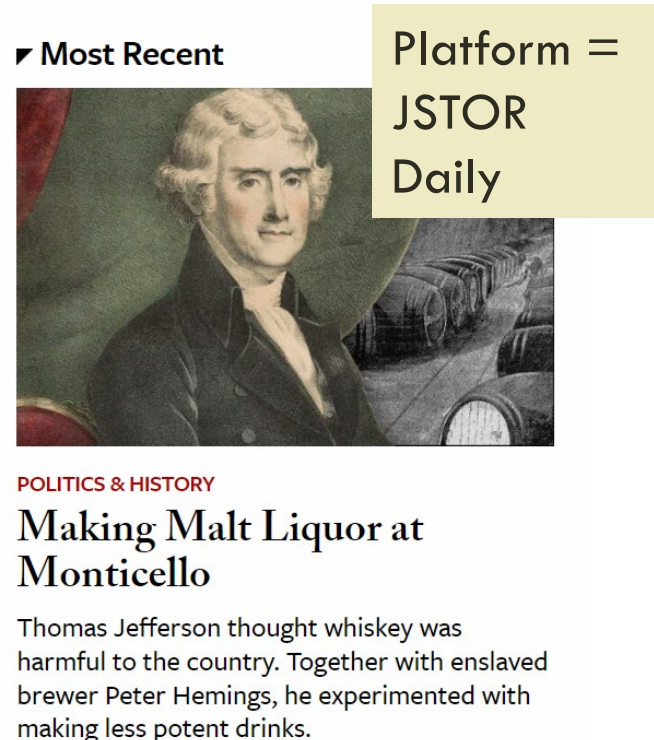
Software = TimelineJS



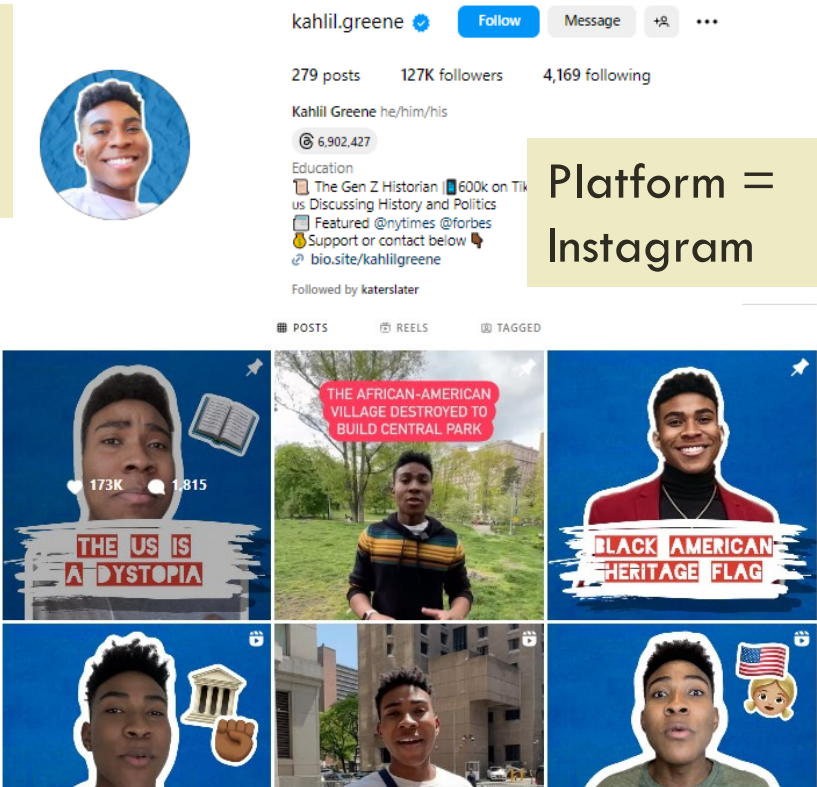
Platform = JSTOR Daily

Platform = Instagram

Most Recent



POLITICS & HISTORY
Making Malt Liquor at Monticello
Thomas Jefferson thought whiskey was harmful to the country. Together with enslaved brewer Peter Hemings, he experimented with making less potent drinks.



kahlil.greene
279 posts 127K followers 4,169 following
Kahlil Greene he/him/his
6.902.427
Education
The Gen Z Historian | 600k on TikTok Discussing History and Politics
Featured @nytimes @forbes
Support or contact below
bio.site/kahlilgreene
Followed by katerslater

THE US IS A DYSTOPIA

THE AFRICAN-AMERICAN VILLAGE DESTROYED TO BUILD CENTRAL PARK

BLACK AMERICAN HERITAGE FLAG

Wikipedia:WikiProject Archaeology/Women in archaeology task force

🌐 1 language ▾

[Project page](#) [Talk](#)

[Read](#) [Edit](#) [View history](#) [Tools](#) ▾

From Wikipedia, the free encyclopedia

< [Wikipedia:WikiProject Archaeology](#)

The **women in archaeology task force** of [WikiProject Archaeology](#) aims to counter [Wikipedia's systematic bias](#) by improving its coverage of female archaeologists and women-related topics in archaeology.

Participants [\[edit \]](#)

- [Joe Roe](#) (talk · contribs)
- [Ninafundisha](#) (talk) 13:12, 5 August 2016 (UTC) [\[reply \]](#)
- [MauraWen](#) (talk · contribs)
- [Zakhx150](#) (talk · contribs)
- [SusunW](#) (talk · contribs)
- [PatHadley](#) (talk) 10:21, 13 August 2018 (UTC) [\[reply \]](#)
- [Richard Nevell](#) (talk · contribs)
- [lajmmoore](#) (talk · contribs)
- [Mehmuffin](#) (talk · contribs)
- [Archeofemme](#) (talk)
- [Matildas2021](#) (talk)
- [Ozrock21](#) (talk)
- [Schmindia](#) (talk)
- [Eritha](#) (talk)
- [clmorgan](#) (talk)
- [ittybittykittycommittee](#) (talk)



Professor Dorothy Garrod (1892–1968), pioneering prehistoric archaeologist and the first woman to hold an [Oxbridge](#) chair

Wikipedia editing/writing projects about underrepresented groups in history

Social media projects can educate the public + spread awareness.

Onlyherstory

Process

Documenting the lives of “ordinary” women in Turkey

Read their stories

onlyherstory AUGUST 7

7.9K 282

Fikriye: Düşünülerek oluşturulan, fikirle ilgili 1934 yılında Ordu/Mesudiye'de

onlyherstory JULY 23

8.4K 272

Reyhan: Kokuların en güzel ve ferah 1949 yılında sonsuz Mezopotamya ovasının

onlyherstory JULY 6

9.2K 290

Hamide: Hamdeden, şükreden 1933'te Sivas'ın Divriği ilçesine bağlı Dişbudak isimli

onlyherstory JUNE 11

8K 210

Şükran: Gönül borcu 1931 yılının Mart ayında sobaların isisi tütüyordu belki yine

onlyherstory MAY 3

10.4K 470

Azemina: Güçlü, güvenilir Bakanlardan gelen bir sesim ben, Azemina. 1925 yılında

onlyherstory APRIL 4

10.3K 451

İhsan: En güzel yılın 1937'de Manisa'nın Kula ilçesinde doğdum. Beş kardeşin en

onlyherstory FEBRUARY 28

6.2K 169

Kaybettiğimiz canların anısına saygıyla...

onlyherstory JANUARY 21

8.7K 353

Halime: Yumuşak huylu 1958'de Çankırı'nın Gürmeç Köyü'nde açtım

onlyherstory JANUARY 7

10.1K 279

Kemaliye: En yüksek değer 1931 yılında Ağrı'nın Doğubayazıt ilçesinde açtım

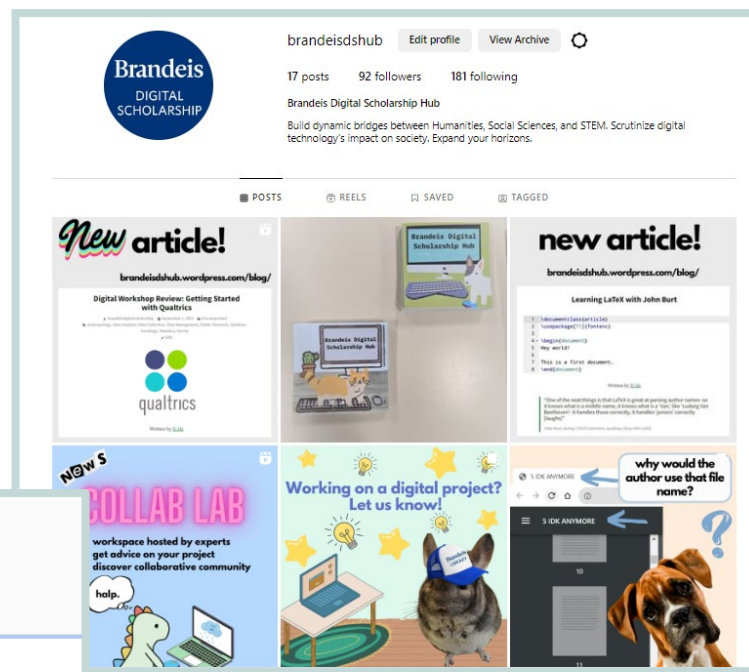
onlyherstory DECEMBER 30, 20...

8.9K 242

Hafize: Koruyan, saklayan Ben Hafize. Boşnaçka Hafka derlerdi adıma. 1925

[Load more](#)

RESOURCES



SEP 29 **Thurs/Fri this fall** **In-Person**
Digital Scholarship Lab, Goldfarb Mezzanine

[Digital Scholarship Collab Lab](#)

If you're working on a digital scholarship project and want some advice, this new service is for you! Take advantage of working in a collaborative space with an in-room expert who is ready to answer q... [More](#)

DS Hub Collab Lab

Brandeis DS Hub

Brandeis' all-new Digital Scholarship Hub provides students, faculty, and staff with hands-on learning resources, events, and compelling stories about Digital Scholarship discovery.

- Discipline Guides
- Find a Tool
- DSHub Blog
- Get Involved

<https://brandeisdshub.wordpress.com>

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