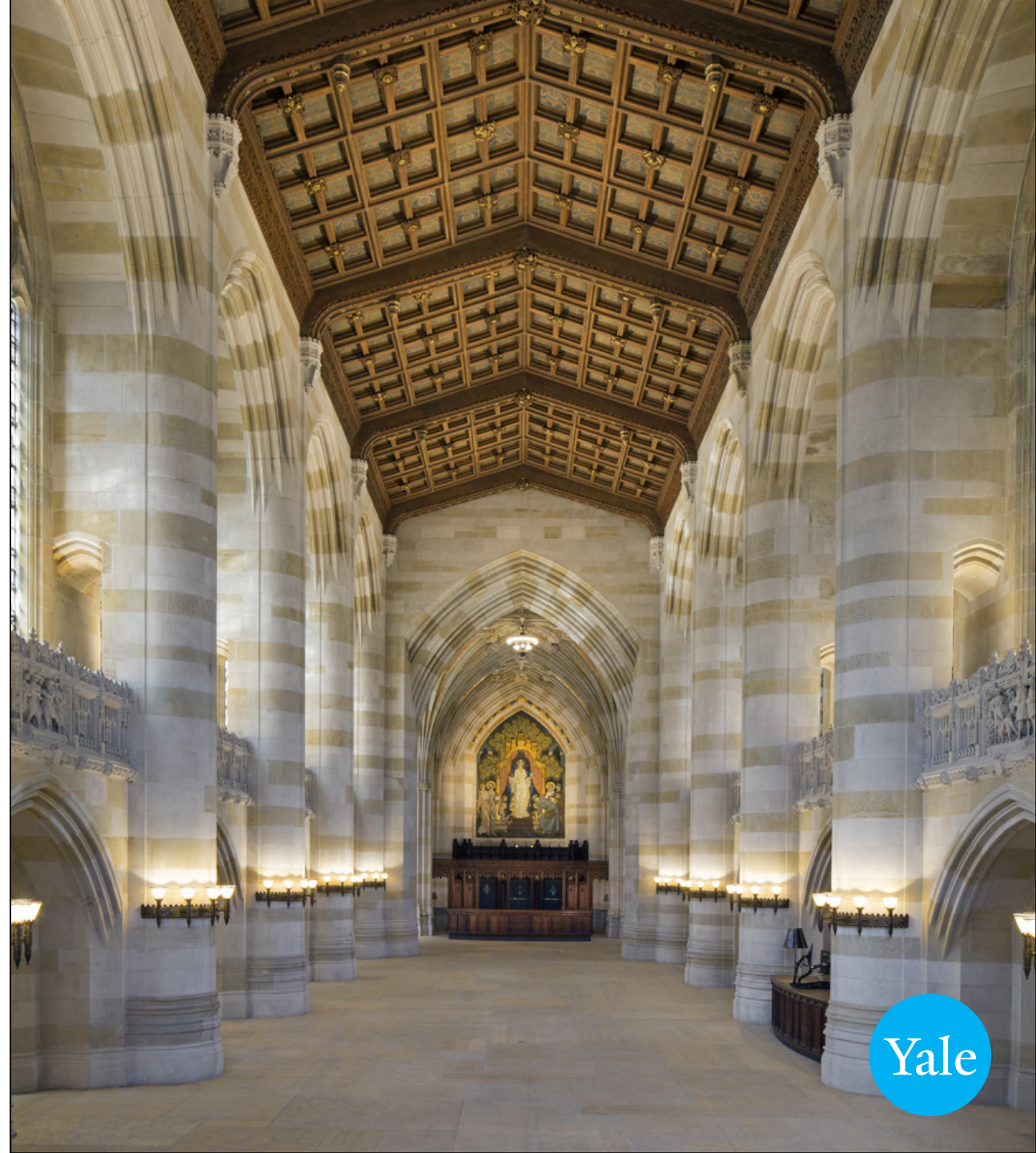


Campus Needs & Partnerships: Building Digital Humanities at Yale University

Yale UNIVERSITY LIBRARY
Digital Humanities Laboratory

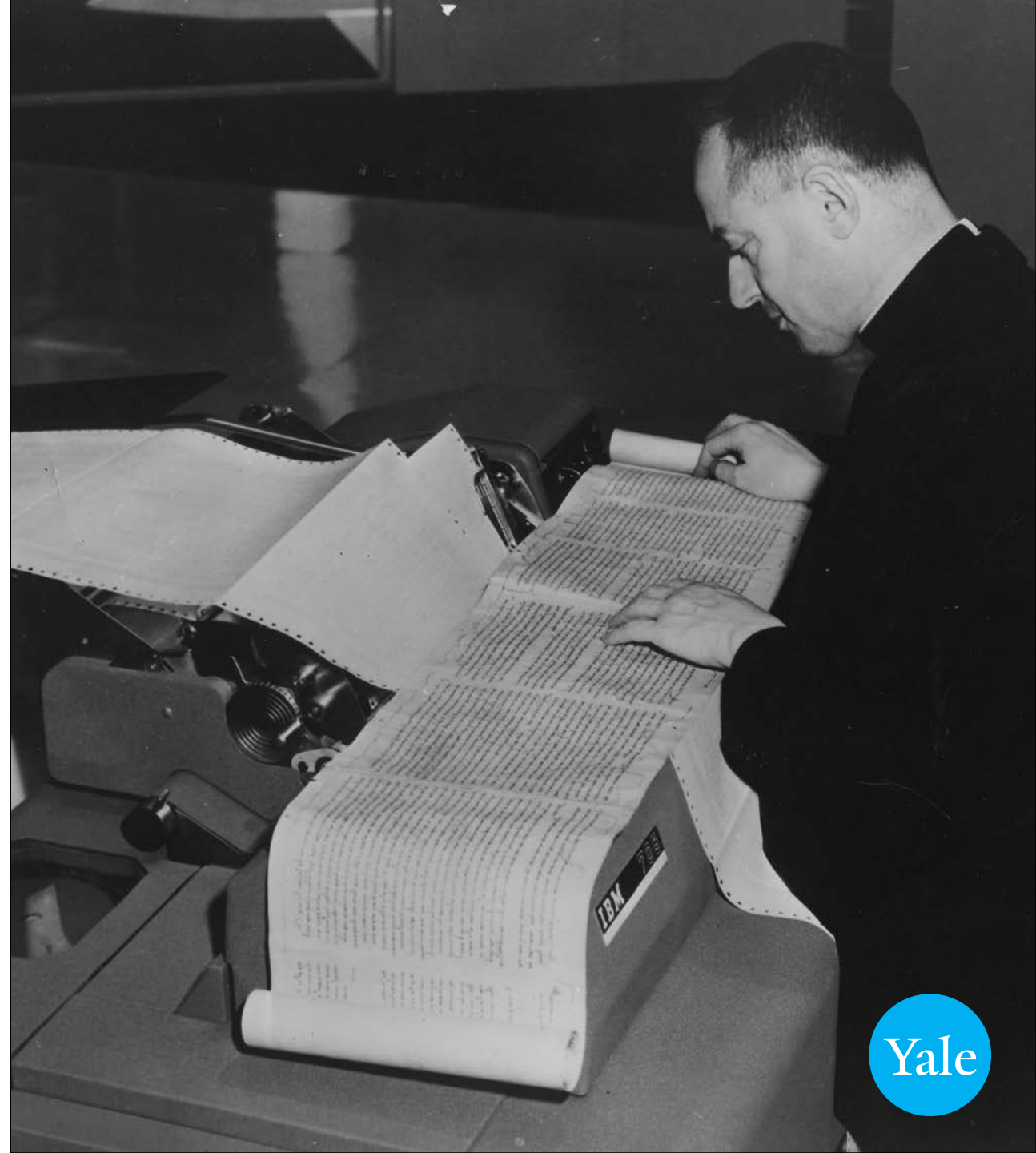
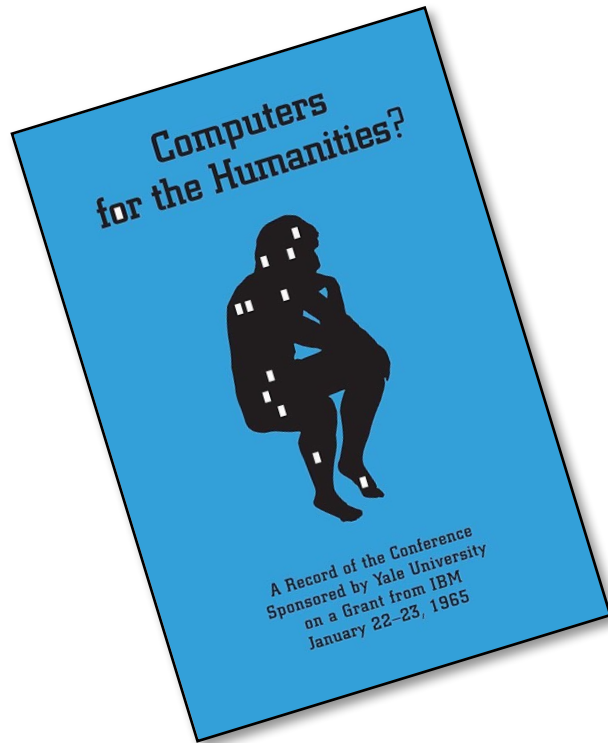
Yale University Library

- “The Library is the Heart of the University”
- 500 employees+
- 15 million+ print & electronic volumes
- 15 libraries across campus



Early Yale DH

- **1956** Father Roberto Busa at Yale
- **1965** IBM-Sponsored Conference at Yale



Yale DHLab Origins

- **2008** Digital Humanities Working Group
 - Graduate student leadership
- **2013** Librarian for Digital Humanities Research
 - Within Humanities Librarians group
- **2015** Grant for DHLab
 - Support for STEAM at Yale (STEM + Arts & Humanities)
 - 3 FTE positions
- **2018** Newly renovated space
 - 460m² historic reading room



DH Lab

Do we need to define “Digital Humanities?”





What we can help with:

**The analysis,
visualization and
engagement of
humanities data in
pursuit of humanistic
questions.**



What we can help with:

Textual Analysis
Visual Analysis
Network Analysis
Geo-Spatial Analysis

**The analysis,
visualization and
engagement of
humanities data in
pursuit of humanistic
questions.**

Partnership: Faculty Digital Humanities Committee

2017-2018

Amy Hungerford (Chair), [Dean of Humanities](#), [Bird White Housum Professor of English](#), [Professor of American Studies](#)

Marijeta Bozovic, [Assistant Professor of Slavic Languages and Literatures](#)

Wai Chee Dimock, [William Lampson Professor of American Studies](#), [Professor of English](#)

Jennifer Frederick, [Executive Director](#), [Yale Center for Teaching and Learning](#)

Susan Gibbons, [University Librarian](#) and [Deputy Provost for Collections & Scholarly Communication](#)

Stephen Krewson, [English](#) and [Computer Science](#) (Graduate Student)

Peter Leonard, [Director](#), [Digital Humanities Laboratory](#)

Mary Miller, [Sterling Professor in the History of Art](#); [Senior Director](#), [Institute for the Preservation of Cultural Heritage](#)

Angel Nieves, [Visiting Associate Professor](#), [Women's, Gender, and Sexuality Studies](#)

Anna Shechtman, [English](#) (Graduate Student)

Dragomir Radev, [A. Bartlett Giamatti Professor of Computer Science](#)

Laura Wexler, [Professor of Women's, Gender, and Sexuality Studies](#) and [Professor of American Studies](#)

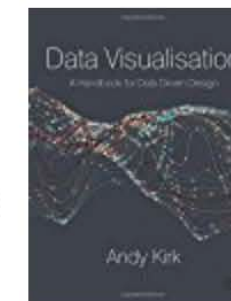
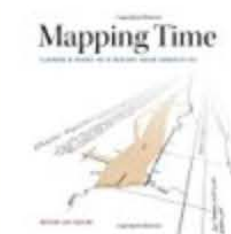
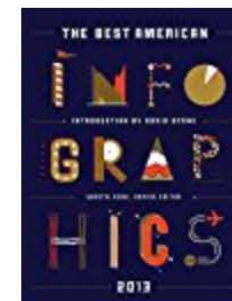
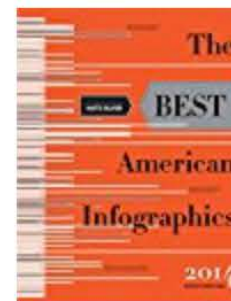
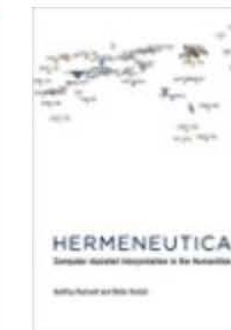
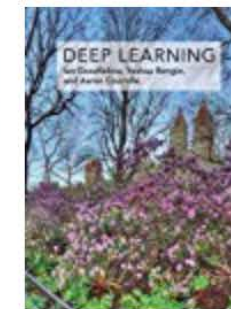
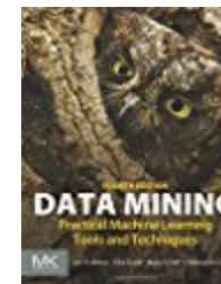
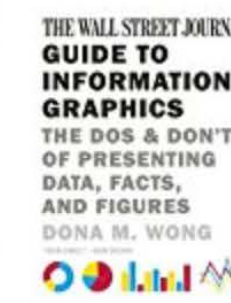
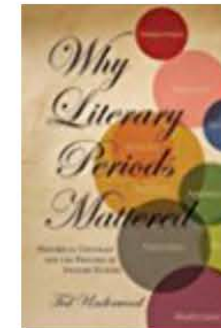
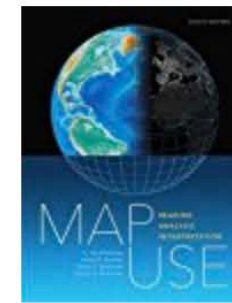
Anna Zayaruznaya, [Assistant Professor in the Music Department](#)



Need: Digital Humanities Reference Collection

Visitors to the DHLab can
refer to over **one hundred
volumes** of both theoretical
and practical expertise.

Most of these books are found
nowhere else at Yale.



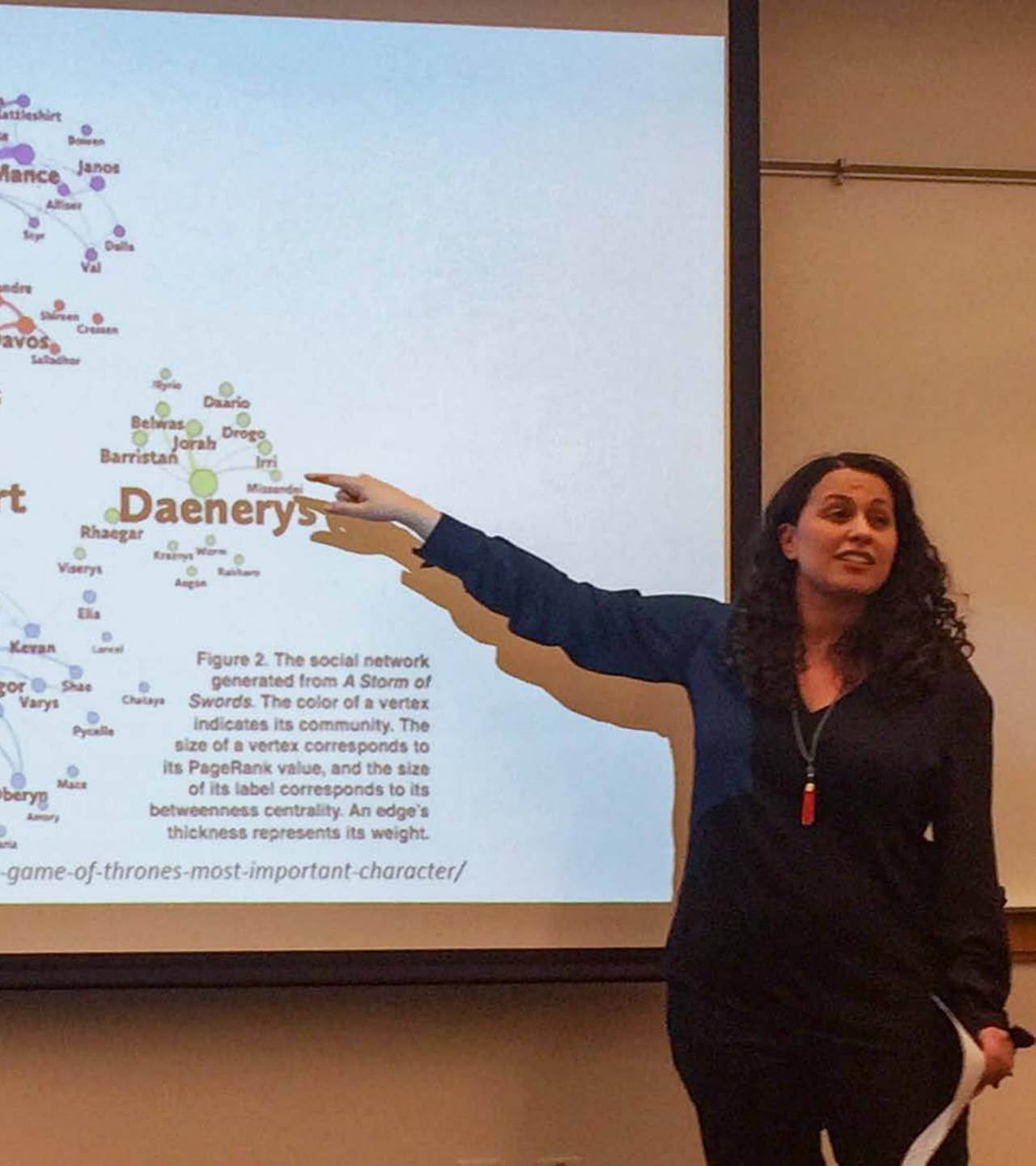


Need: In-Person Consultations

The DHLab holds **office hours**
two afternoons a week.

Scholars have access to a
Developer, User Experience
Designer, Outreach &
Engagement Specialist,
Research Data Specialist, and
GIS Librarian.





Need: Creation of Informal Learning Communities

The DHLab taught or sponsored
over **thirty workshops** last year.

Topics are determined by the
questions that scholars bring to
office hours.

Need: Professional Development

US\$500 for week-long, discipline-relevant training opportunities for **librarians & graduate students**

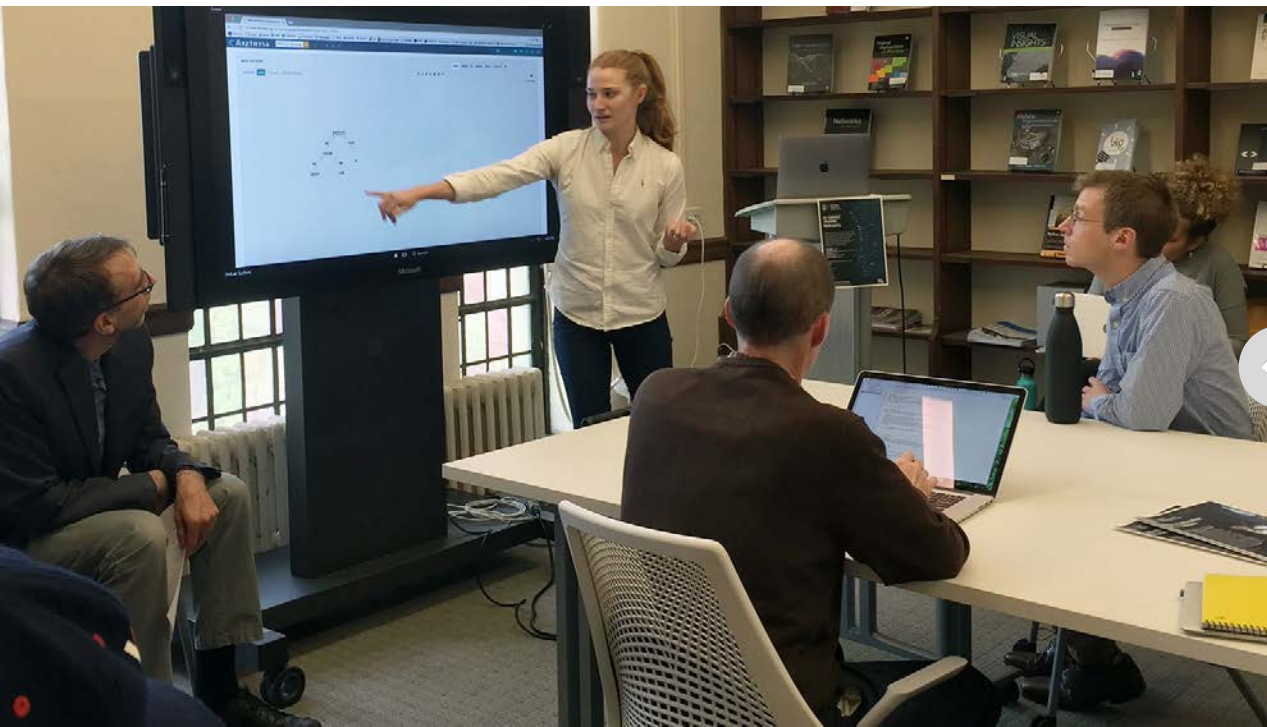
- Digital Humanities Summer Institute (DHSI)
- Humanities Intensive Learning and Teaching (HILT)
- Digital Humanities @ Oxford (DHOxSS)
- DH @ Guelph
- Trier Digital Humanities Autumn School
- Leiden Summer School in Chinese Digital Humanities

Awardees commit to **sharing expertise** upon return



Text Encoding Initiative

Colin McCaffrey (Classics Librarian)



The Perseus Project

Jennifer Weintritt (Graduate Student, Classics)

2016-2017



Andrew S. Brown is a fourth-year PhD candidate in the Department of English, specializing in Renaissance/early modern literature. His dissertation focuses on how English playwrights engaged with the political, religious, and literary implications of the concept of representation. Other research interests include the history of printing and the intersections between the digital humanities and book history more generally.

As an assistant to Professor Heather Klemann, Andrew will work with the DHLab to develop several assignments for the English Department course "Vampires, Castles, Werewolves". Students will learn how to use tools and software in the areas of mapping/GIS, digital curation, and text visualization. In doing so, they'll have the opportunity to create their own online resources that explore the connections between Gothic literature and the

history of art and architecture, as well as the rich, complex publication history that lies behind many of the period's novels and stories. *Spring 2017*



Fadila Habchi is a Ph.D candidate in African American Studies and American Studies. She specializes in contemporary literature from the African diaspora, in French and English. She is especially interested in narratives of migration in the context of movements of decolonization. Her current project explores literary representations of the postcolonial city in postwar Caribbean literature.

As a digital fellow, Fadila works closely with Professor Wexler to assist undergraduates students in developing their own digital humanities project. *Spring 2017*



Bo Li is a Ph.D. candidate in the English Department, working on a long history of new media, with a special interest in feminist engagements with populist media forms. She is excited to be working with Professor Wai Chee Dimock on "Performing American Literature," a course that will expand the definition of "performance" to include modes of digital expression, ranging from gaming, spatial and temporal mapping, e-texts, and the creative use of social media.

In addition to her research and teaching, Bo is also engaged with pedagogical development, with particular focus on academic writing. She works with the Yale College Writing Center and is a McDougal Fellow at the Center for Teaching and Learning. *Spring 2017*



Kimberly Quilogue Andrews is currently completing her PhD in the English Department at Yale, and was excited to be the test case for scaling up DH methods for use in a lecture course. Her research focuses in the main on the cultural contexts of contemporary American poetry. Her current project explores the relationship between experimental poetry and the university after the second world war; specifically, she aims to show the ways in which innovative poetic methodologies borrow and engage with more 'traditional' research practices in the analytic humanities.

As an assistant to Professor R. John Williams in the English Department, Kim worked with the DHLab to develop a number of digital projects for a course entitled "Countercultures." This course explored a number of states of

"altered consciousness" throughout the 1960s and 1970s, offering a more nuanced exploration of what it meant to cultivate an experience that ran "counter" to the dominant practices of American bourgeois society. Students learned how to use network visualization tools, topic mapping, and trend visualization software — as well as a few digital tools by which they can create their own countercultural projects — to better understand the relationship between what runs against mainstream culture, and the mainstream culture that has a tendency to absorb it. *Fall 2016*

Partnership: Teaching Fellows

Since 2015, the DHLab has
worked with 13 **graduate
student DH Teaching Fellows.**

Each Fellow proposes a plan
for bringing DH methods to an
undergraduate class.

Yale

2016-2017 POSTDOCTORAL ASSOCIATES



Jonathan Schroeder uses the methods of the digital humanist, conceptual historian, and literary scholar to compare how European frameworks of emotion were institutionalized in the Americas. His manuscript, *Prisoners of Loss: An Atlantic History of Nostalgia*, charts the first phase in the globalization of nostalgia, tracking how this medical concept was carried to the New World and used to design new health care systems for slaves and soldiers in America, Brazil, Cuba, and Haiti. By virtue of this process, he argues, nostalgia was transformed from a disease of travel suffered by European ethnics into the exemplary disease of racial captivity in the nineteenth century, one that can potentially help us make sense of present-day scenes of racial and ethnic melancholy.

His project at the DHLab, "Passages to Freedom: Worlding the North American Slave Narrative," examines the language and geography of 294 African-American slave narratives. How did African-Americans make their escapes? What does the mobility of slaves look like in slavery? In freedom? Are there distinct languages of slavery and freedom? And how do answers to these questions change after the Fugitive Slave Act of 1850? After the slave narrative was affiliated with antebellum abolitionist networks?

He received his Ph.D. in English Language and Literature from the University of Chicago. His work has appeared in *American Literature* and is forthcoming in *Arizona Quarterly*.

2015-2016 POSTDOCTORAL ASSOCIATES



Carol Chiodo is a writer, scholar, and educator whose work investigates how the material and structural changes in the reproduction, storage and transmission of texts impact the ways we read, write and learn. She received a Ph.D. degree in Italian Language and Literature with a dissertation on medieval vernacular poetry and the mechanical arts.

Her current research uses social network analysis to explore the membership rolls of early scholarly societies in North America as a source for women's history. The project re-situates the female membership of the first decades of

the Dante Society of America, one of the oldest in North America, in relation to contemporary social and institutional networks associated with racial egalitarianism, religious and educational reform, and universal suffrage. While her primary interest is in how these women influenced the reception and dissemination of Dante's work in North America, their activity also sheds light on the broader context of higher education and religious reform.

Partnership: Postdoctoral Associates

Each year, the DHLab
supports two Postdoctoral
Associates for 12 months.

Postdocs are appointed by an
academic department; their
office space is in the DHLab.



Need:
Transform Physical Collections into
Digitally-Actionable Research Objects



Book and microfilm scanners allow researchers
to transform **physical holdings** into material
suitable for **digital investigation**.



Partnerships: Collection Development Special Collections

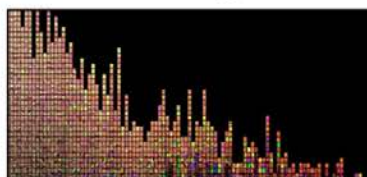
- **Advocate** purchase of raw data from licensed electronic resources
- **Experiment** on Yale Library's own collections

Robots Reading *Vogue*

Data Mining is in Fashion

Few magazines can boast being continuously published for over a century, familiar and interesting to almost everyone, full of iconic pictures — and also completely digitized and marked up as both text and images. What can you do with over 2,700 covers, 400,000 pages, 6 TB of data? Students, librarians and faculty are excited about the possibilities of working with *Vogue* to explore questions in fields from gender studies to computer science. We highlight some early experiments below:

Slice Histograms



Direct visualization of color patterns.

[Explore »](#)

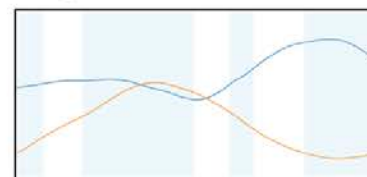
Cover Averages



Visual continuity and change across the decades.

[Explore »](#)

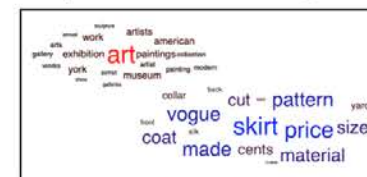
n-gram Search



Search and compare word usage in 400,000+ pages within ads, articles, or all texts.

[Explore »](#)

Topic Modeling



Self-organizing themes determined by word cooccurrence.

[Explore »](#)

Advertisements



Sort ads by frequency, date, and industry.

[Explore »](#)

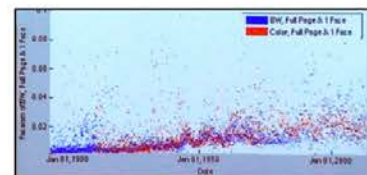
Statistics



View figures on circulation, ratio of articles to advertisements, price per issue, and number of pages per year.

[Explore »](#)

Student Work



See projects conducted by Yale students using this data.

[Explore »](#)

Colormetric Space



Hue, Saturation and Lightness.

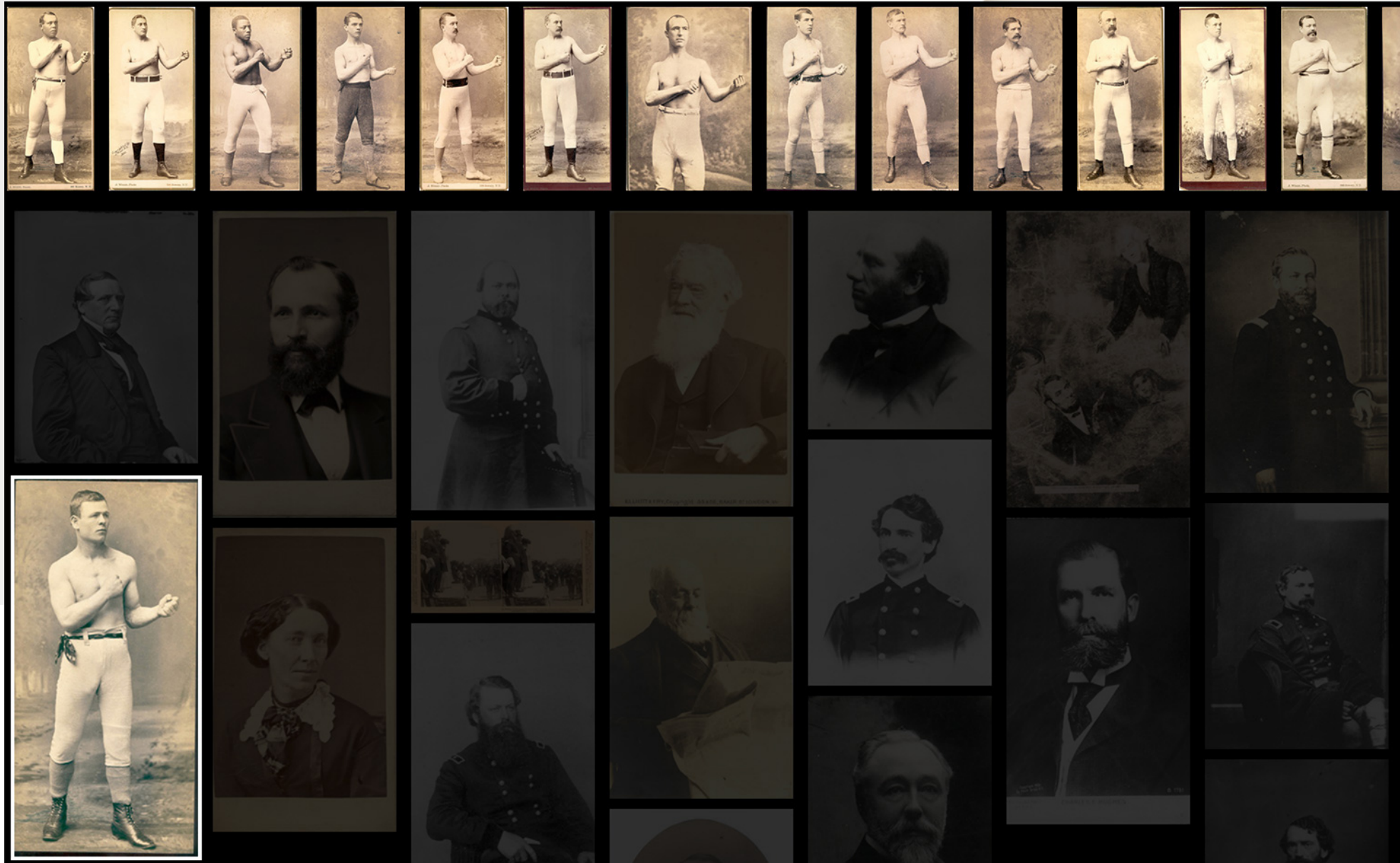
[Explore »](#)

Neural Networks for Visual Similarity

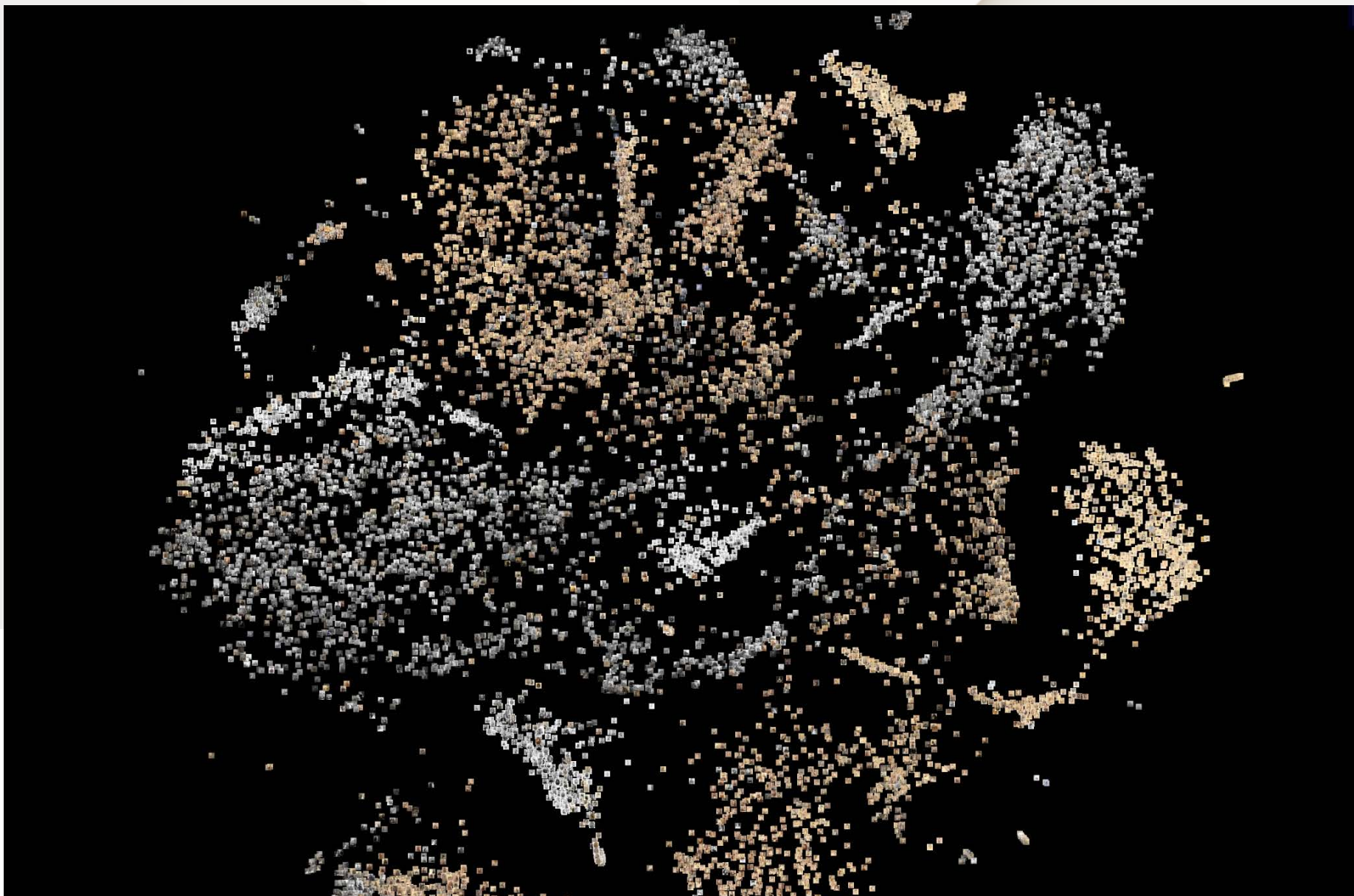
The Meserve-Kunhardt Collection originated as one of the **largest private collections** of 19th-century photography.

Now part of the Beinecke Rare Book and Manuscript Library, the archive of over 73,000 images is a world-renowned record of America from the **Civil War** to the **Gilded Age**.

Visual Similarity: Pugilists



Dimensionality Reduction with t-SNE



Campus Needs & Partnerships: What's worked at Yale?

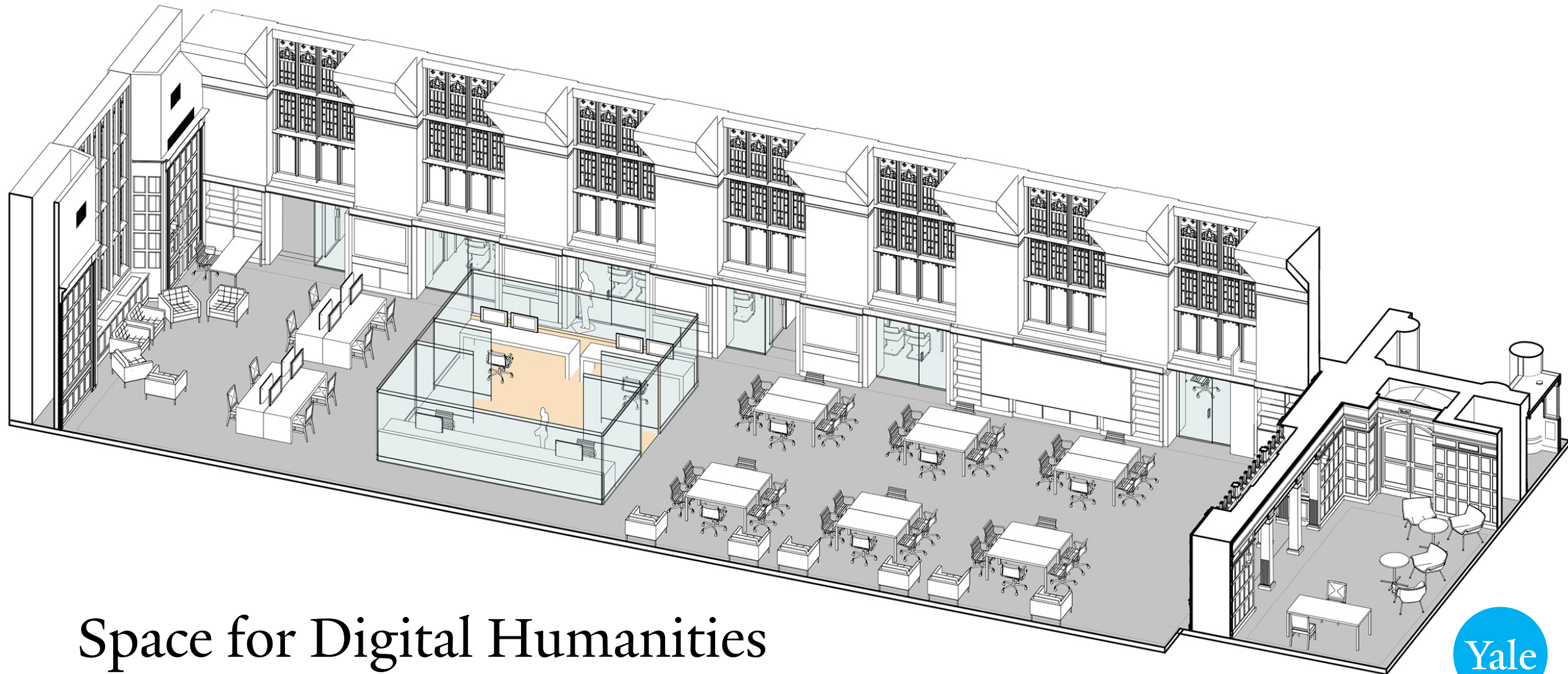
- **Building** informal learning communities of interested people
- **Providing** opportunities for sharing skills and information
- **Supporting** training for faculty, librarians, & students
- **Experimenting** with Library & vendor collections





Space for Digital Humanities

Yale



Space for Digital Humanities



Thank you & Questions

Yale UNIVERSITY LIBRARY
Digital Humanities Laboratory