

Gale Digital Scholar Lab

Colloquium On Text & Data
Mining in Libraries 2023

University of Toronto

Jess Ludwig, Director, Product
Management

Gale, here for **everyone.**



Digital Humanities at Gale

Gale, here for **everyone.**

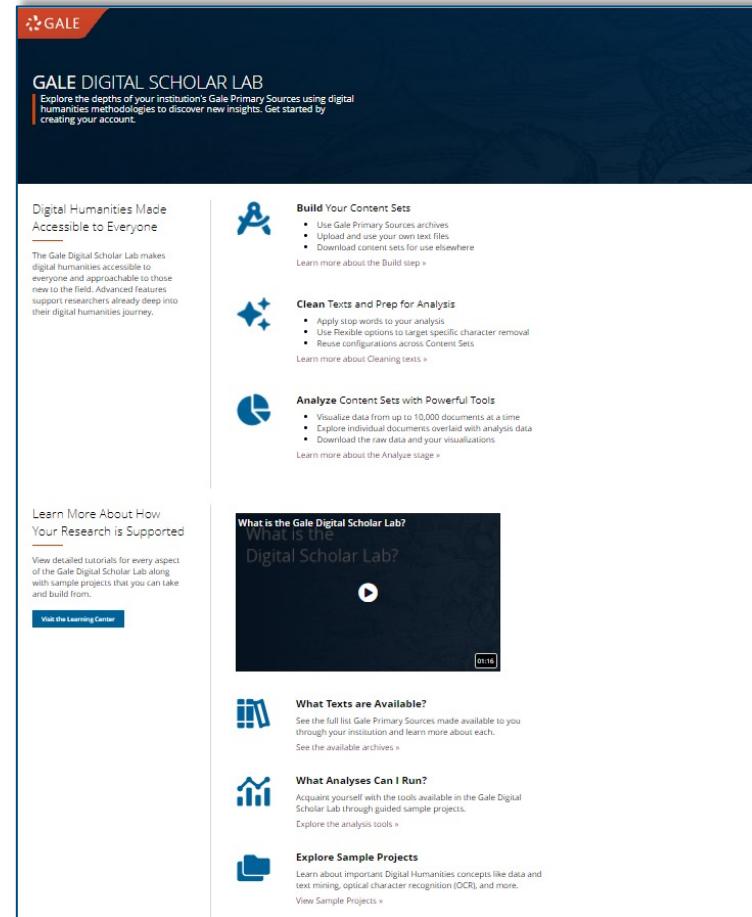
Expand the Possibilities of Research

GALE PRIMARY SOURCES



The screenshot shows the Gale Primary Sources platform. At the top, there's a navigation bar with links for 'Literary Manuscripts', 'Gale International', 'Web Demos', 'English', 'Sign in with Google', and 'Sign in with Microsoft'. Below the header, the 'GALE' logo is prominently displayed. The main title 'GALE PRIMARY SOURCES' and subtitle 'The Times Digital Archive, 1785-2019' are visible. A search bar with placeholder text 'Search...' and a magnifying glass icon is present. Below the search bar are 'Advanced Search' and 'Browse' buttons. To the right, a thumbnail image of a historical newspaper page from 'The Times' is shown, featuring the headline 'IN PHARAOH'S TOMB'. Further down, there's a section titled 'ABOUT THIS RESOURCE' with a detailed description of 'The Times Digital Archive'. Below this is a 'PRESENTED IN COLLABORATION WITH' section featuring the 'THE TIMES' logo. At the bottom, there are 'SEARCH TOOLS' sections for 'Topic Finder' and 'Term Frequency'.

GALE DIGITAL SCHOLAR LAB



The screenshot shows the Gale Digital Scholar Lab interface. At the top, it says 'GALE DIGITAL SCHOLAR LAB' and encourages users to 'Explore the depths of your institution's Gale Primary Sources using digital humanities methodologies to discover new insights. Get started by creating your account.' Below this, there are several sections: 'Digital Humanities Made Accessible to Everyone', 'Build Your Content Sets' (with a list of bullet points: 'Use Gale Primary Sources archives', 'Upload and use your own text files', 'Download content sets for use elsewhere'), 'Clean Texts and Prep for Analysis' (with a list of bullet points: 'Apply stop words to your analysis', 'Use flexible options to target specific character removal', 'Reuse configurations across Content Sets'), 'Analyze Content Sets with Powerful Tools' (with a list of bullet points: 'Visualize data from up to 10,000 documents at a time', 'Explore individual documents overlaid with analysis data', 'Download the raw data and your visualizations'), 'Learn More About How Your Research is Supported' (with a link to 'Visit the Learning Center'), 'What is the Gale Digital Scholar Lab?' (with a video thumbnail showing a play button), 'What Texts are Available?' (with a link to 'See the full list Gale Primary Sources made available to you through your institution and learn more about each. See the available archives.'), 'What Analyses Can I Run?' (with a link to 'Acquaint yourself with the tools available in the Gale Digital Scholar Lab through guided sample projects. Explore the analysis tools.'), and 'Explore Sample Projects' (with a link to 'Learn about important Digital Humanities concepts like data and text mining, optical character recognition (OCR), and more. View Sample Projects.').

Gale, here for **everyone.**

Global Partnerships

Gale Fellowships



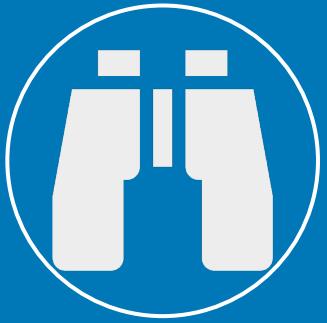
Committee on
Lesbian, Gay, Bisexual
& Transgender History



**AMERICAN
SOCIETY FOR
18TH-CENTURY
STUDIES**



Layers of Discovery



Document
Discovery &
Use



Cross-
Search



Simple
Analysis



Text & Data
Mining

Boolean operators and multiple search fields provide users any number of search criteria combinations.

Users will find many refining options to help limit the number of results to those that are most relevant to the definition of each corpus they create.

GALE DIGITAL SCHOLAR LAB

Basic Search Search by keyword Advanced Search

SEARCH OPTIONS Advanced Search

Advanced Search

Search Terms

Terms	Field	Finds results that...
Search for []	[Keyword]	contain these terms in key fields; does not search entire document
And []	[Keyword]	contain these terms in key fields; does not search entire document
And []	[Keyword]	contain these terms in key fields; does not search entire document

Search Add a Row

Search Tips
Operators AND, OR, NOT Proximity Nesting Special Characters Quotation Marks Wildcards Ignored

Selected Databases to Search (50/50)

All Selected All Deselected All

- Amateur Newspapers from the American Antiquarian Society
- American Fiction, 1774-1920
- American Historical Periodicals from the American Antiquarian Society
- Archives of Sexuality and Gender
- Archives Unbound
- Associated Press Collections Online
- Brazilian and Portuguese History and Culture
- British Library Newspapers
- China and the Modern World
- Crime, Punishment, and Popular Culture, 1790-1920
- Daily Mail Historical Archive
- Declassified Documents Online: Twentieth-Century British Intelligence
- Eighteenth Century Collections Online
- Indigenous Peoples of North America
- International Herald Tribune Historical Archive, 1887-2013
- Liberty Magazine Historical Archive, 1924-1950
- Mirror Historical Archive, 1903-2000
- Nineteenth Century Collections Online
- Nineteenth Century U.S. Newspapers
- Nineteenth Century UK Periodicals
- Picture Post Historical Archive, 1938-1957
- Political Extremism and Radicalism
- Public Health Archives: Public Health in Modern America, 1890-1970
- Punch Historical Archive, 1841-1992
- Refugees, Relief, and Resettlement: Forced Migration and World War II
- Religions of America
- Sabin Americana: History of the Americas, 1500-1926
- Seventeenth and Eighteenth Century Burney Newspapers Collection
- Seventeenth and Eighteenth Century Nichols Newspapers Collection
- Slavery and Anti-Slavery: A Transnational History

Search Limiter

by publication section: []

by publication country: []

by publication state/province: []

by publication city: []

by publication year(s): []
All Before Within After Between
Include documents with no known publication date.

by content type: []
Select Content Type(s)

by document type: []

by publication title: []

by language: []
Select Language(s)

Source Library []
Select Source Library

Illustrated Works []
Select Illustrated Work(s)

OCR Confidence Range [] — Max []
Documents can range from 0 - 100 in OCR Confidence Score

Search Clear

Build Your Content Sets

- Use Gale Primary Sources archives
- Upload and use your own text files
- Download content sets for use elsewhere

[Learn more about the Build step »](#)



Clean Texts for Computational Analysis

- Apply stop words to your analysis
- Use flexible options to target specific character removal
- Reuse configurations across Content Sets

[Learn more about the Clean step »](#)



Analyze Content in Powerful New Ways

- Visualize data from up to 10,000 documents at a time
- Explore individual documents overlaid with analysis data
- Download the raw data and your visualizations

[Learn more about the Analyze step »](#)



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Clean

Select Cleaning Configuration to Edit

Default Cleaning Configuration

Video: Cleaning a Content Set

- Additional topics:
- [Creating a Clean Configuration](#)
 - [Applying During Analysis](#)
 - [View All Clean Help »](#)



01:09

Stop words

Set the words you want the Analysis Tools to ignore.
[Choose a Starter List](#)

a
about
above
across
after
afterwards
again
against
all
almost
alone
along
already
also
although
always
am
among
amongst
amongst
amount
an
and
another
any
anyhow
anyone
anything
anyway
anywhere
are
around
as
at
back
be
became

 Ignore stop words case[Clear List](#)

Text Correction

Options for automatic text correction that will be applied before each Analysis

 Turn on all options

Text Modification

 All lower case

Characters

- Remove all extended ASCII characters
- Remove all number characters

Special Characters

- Remove all special characters
- [Set specific characters >](#)

Punctuation

- Remove all punctuation
- [Set specific punctuation >](#)

Spacing

- Remove all tabs
- Remove all line breaks
- Reduce multiple spaces to one space (ex: "hello there" becomes "hello there")

Document Sections

- Remove body text
- Remove all non-body content
- [Set specific sections >](#)

Replacements

Replace this... With this...

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

[Add a Row](#)

Configuration Notes

Space to make notes or describe the purpose of this configuration.

[Configuration description/notes](#)Gale, here for **everyone.**

Further customize what you'd like to remove or find and replace in the content set.

Primary Sources Analysis

EXPANDING RESEARCH POSSIBILITIES

- Sentiment Analysis



- Parts of Speech



- Named Entity Recognition

- Ngrams

- Topic Modeling



- Document Clustering



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The screenshot shows the GALE Digital Scholar Lab interface. At the top, there's a navigation bar with 'English' and 'Signed in: Jess'. Below it, a red header bar says 'GALE DIGITAL SCHOLAR LAB'. The main area is titled 'Analyze' and shows a 'Content Set' dropdown set to '1650-1800 Tea'. There are several sections for different types of analysis:

- Document Clustering:** Includes 'Document Similarity' and a green icon of a cluster of dots. Run details: (Sun Mar 27 16:24:25 EDT 2022), View, New Setup, Run Time: 0:56.
- Ngrams:** Includes 'Word Cloud' and 'Term Frequency' icons. Run details: Min2 Max5 Thres4 Early Modern (Wed Mar 25 11:20:25 EDT 2022), View, New Setup.
- Sentiment Analysis:** Includes 'Sentiment Scores' and 'Sentiment Over Time' icons. Run details: Early Modern (Wed Mar 25 15:48:44 EDT 2020), View, New Setup.
- Named Entity Recognition:** Shows 'Entities Found' and a green icon of a location pin. Run details: (Sun Mar 27 16:24:24 EDT 2022), View, In Progress.
- Parts of Speech:** Shows 'Parts Comparison' and a green icon of a speech bubble. Run details: (Sun Mar 27 16:24:25 EDT 2022), View, In Progress.
- Topic Modeling:** Includes 'Topics' and 'Topic Proportion' icons. Run details: 10v 20t Early Modern (Wed Mar 25 15:46:44 EDT 2020), View, New Setup.

On the right side, there's a video player titled 'Analyzing Your Texts' with a play button and a duration of 01:22. Below the video, a list of 'Additional topics:' includes 'Selecting the Right Tool', 'Setting up and Running', and 'View All Analyze Help >'. At the bottom, there's a decorative illustration of a fish and the GALE logo with 'A Cengage Company'.



Legend



Tool Setup



Run History

Legend

View

- Top 100 Ngrams
- Ngram Search

Enter terms to match ngrams



Color Coding

- Frequency
- Rank



Low Frequency



High Frequency

Ngrams

1950-1980 Black America & The Law - no subject terms



Download

Help



[Back](#)

Legend

Legend

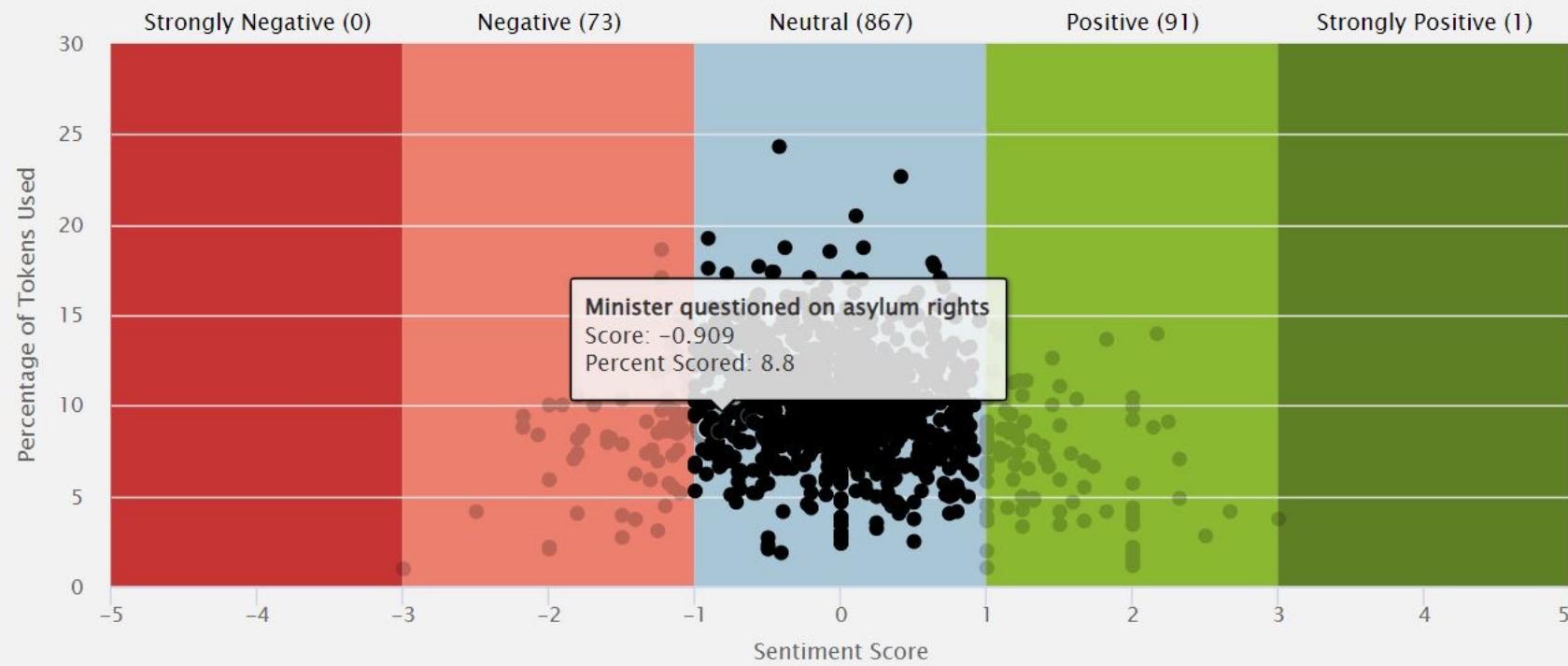
0.003 Overall Content Set Sentiment

Document Sentiment Scale

- Strongly Positive
- Positive
- Neutral
- Negative
- Strongly Negative

Document Issues

7 Unscored Documents

Sentiment Analysis
Refugees - Times Opinion & Editorial

Back



Legend

Parts of Speech

Click to toggle categories on and off

NOUN	INTJ	PART
PROPN	CCONJ	PUNCT
PRON	SCONJ	NUM
VERB	DET	SYM
ADV	ADP	SPACE
ADJ	AUX	OTHER

Group Data By

Author

10 of 192 selected

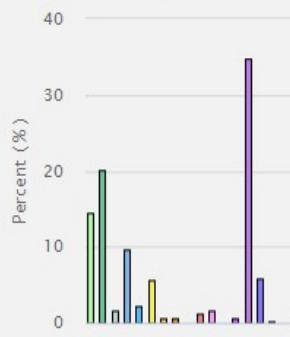
Change selection

Graphs Shown: 10

Grid Columns: 4

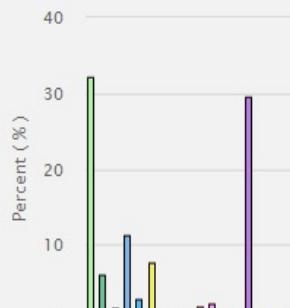
Adam Petrie

1 documents | Tagged 26,243 Parts of Speech



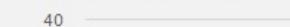
Anne Fisher

1 documents | Tagged 111,368 Parts of Speech



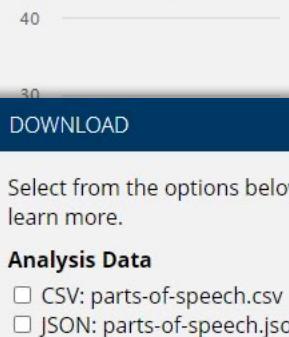
Arthur Murphy

4 documents | Tagged 277,736 Parts of Speech

Parts of Speech
1650-1800 Coffee - Manners & Customs

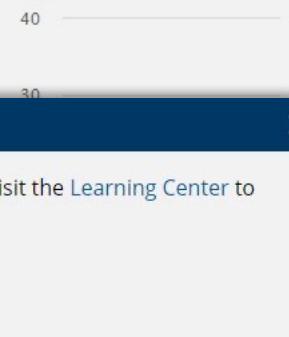
Alexander Pope

5 documents | Tagged 305,224 Parts of Speech



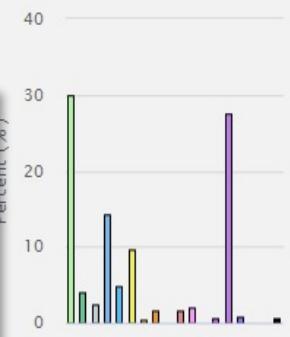
Althea Fanshawe

1 documents | Tagged 34,760 Parts of Speech



American in England

1 documents | Tagged 25,357 Parts of Speech



DOWNLOAD

Select from the options below. Visit the Learning Center to learn more.

Analysis Data

CSV: parts-of-speech.csv
 JSON: parts-of-speech.json

Document Metadata

JSON: document-metadata.json

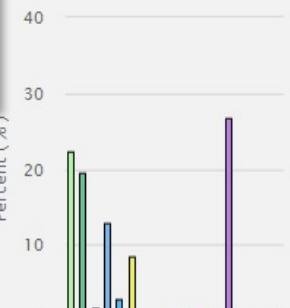
Parts of Speech Visualization

PNG SVG PDF JPEG

Cancel Download

Argens, marquis d'

11 documents | Tagged 814,165 Parts of Speech



Inspect

Document

The works of Alexander Pope, Esq; vol. IV.
 Part II. Containing the second part of his letters

Open Document

Parts of Speech

Category	Count	Percentage
NOUN	14,972	27.78%
PROPN	4,901	9.09%
PRON	1,339	2.48%
VERB	6,044	11.21%
ADV	1,789	3.32%
ADJ	3,962	7.35%
INTJ	399	0.74%
CCONJ	349	0.65%
SCONJ	0	0%
DET	919	1.71%
ADP	1,226	2.27%
AUX	50	0.09%
PART	368	0.68%
PUNCT	16,038	29.76%
NUM	652	1.21%

[Learning Center Menu](#)

Digital Scholar Lab Learning Center

Getting Started Gale Digital Scholar Lab What is Gale Digital Scholar Lab?

0:15

Get Link

**Build** Your Content Sets

Collect your research materials in a Content Set by finding documents from the Gale Primary Sources databases or uploading your own.

[Build Overview](#)
[Search Strategies](#)
[Understanding Search Results](#)
[Building a Content Set](#)
[Uploading Documents](#)

Video Overview: Building a Content Set

0:21

Translate Article

**Clean** Texts and Prep for Analysis

Use options like stop word lists and text correction for the removal or replacement of specified characters and terms to prepare for analysis.

[Clean Overview](#)
[Creating a Clean Configuration](#)
[Testing Your Configurations](#)
[Applying During Analysis](#)

Video Overview: Cleaning Your Texts for Analysis

0:56

**Analyze** Content Sets with Powerful Tools

Use digital tools to analyze your Content Sets in ways that would have been too time consuming without the power of computational algorithms.

[Analyze Overview](#)
[Selecting the Right Tool](#)
[Setting Up and Running](#)
[Tool: Document Clustering](#)
[Tool: Named Entity Recognition](#)
[Tool: Ngrams](#)
[Tool: Parts of Speech](#)
[Tool: Sentiment Analysis](#)
[Tool: Topic Modeling](#)

Video Overview: Analyzing Content Sets

0:22

**Organize** with **My Content Sets**

Use the My Content Sets pages to organize and manage your research with helpful tools to examine the makeup and ensure it has what you need.

[My Content Sets Overview](#)
[Managing a Content Set](#)
[Downloading Content Sets](#)

Video Overview: Managing Content Sets

0:02

Black America and the Law in the Mid-20th Century

NEW IN PAPERBACK

Fighting for black America

The day after winning the world heavyweight boxing championship in 1869, Cassius Clay announced his intention to join the American Missionary Association and Freedmen's Bureau. These three heavyweight, according to Clay, were the most compelling voices of black Americans. "They seemed to mark the passing and continual changes going on just as they were going on," he said, "and for the title." Or as Ali tells the author: "I had heard of Muhammad Ali, but I never heard of Cassius Clay."

Linton, whose critical record and Media communication led to it being nominated for the National Book Award in 1970, has written a history of the Civil Rights Movement. This book is a must-read for anyone interested in the Civil Rights Movement. It is a powerful and moving account of the struggle for civil rights, integration and equality.

Ali was a controversial figure in the 1960s and 1970s. He was a symbol of the Black Power movement, and his support for the Black Panthers made him a target for the FBI. The book also explores the impact of Ali's political activism on the Civil Rights Movement.

Ali's life and legacy continue to inspire and inspire us to fight for justice and equality.

The Rise of Electricity in the Late 19th and Early 20th Centuries



Food and Civility 1650-1800

Don't Say You've Forgotten The Food!—By P

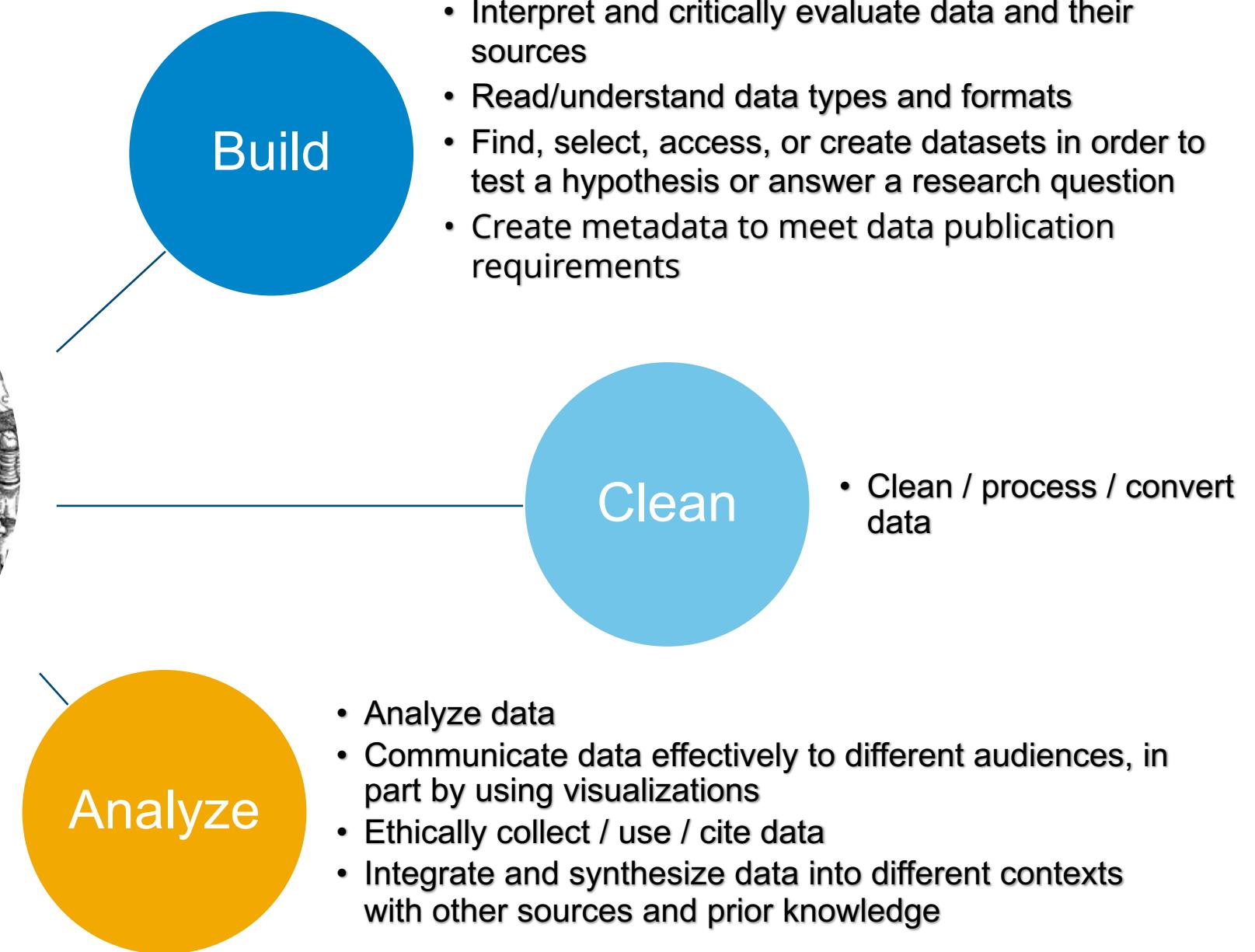
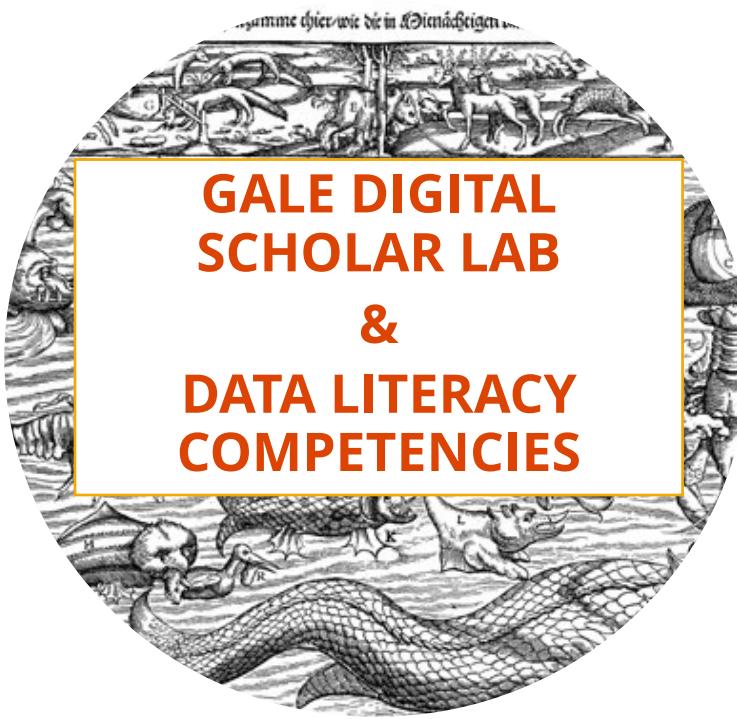


Sample Syllabi

DH123 DIGITAL HUMANITIES	
Course Syllabus	
Week 1: Welcome	Topics 1: Welcome & Orientation: Syllabus Review, Assessment Expectations Topics 2: Overview of DH123 Project
Week 1: Themes	Topics 3: Risk Assessment & Data Management Topics 4: Digital Scholar Lab Intro to Home
Week 1: Computing and Programming	Topics 5: Introduction to Primary Source Materials & Topics Topics 6: Building a Content Set in the Digital Scholar Lab
Week 1: Data Preparation	Topics 7: Creating a Digital Archive: What is Optical Character Recognition (OCR)? Topics 8: Effective Searching
Week 1: All Chapters	Topics 9: Cleaning and Creating Content Sets Topics 10: Using the Digital Scholar Lab
Week 2: Welcome	Topics 11: Generating Visualizations Topics 12: Other Tools for Cleaning Text (OpenOffice, LibreOffice, RegEx)
Week 2: Themes	Topics 13: Survey of Text Mining Tools Topics 14: n-gram/Farm Frequency
Week 2: Computing and Programming	Topics 15: Named Entity Recognition Topics 16: Topic Modeling
Week 2: Data Preparation	Topics 17: Clustering & Part of Speech Tagging Topics 18: Compare with External Tools (WordNet, Jupyter)
Week 2: All Chapters	Topics 19: Exploring Analyses Topics 20: Final Project
Week 3: Welcome	Topics 21: Document & Comparison Navigation Topics 22: Hand-in Work and Support
Week 3: Themes	Topics 23: Final Project (Final)

These complete syllabi serve as course models to how digital humanities concepts, ideas, and activities can be incorporated into traditional Digital Humanities courses or Special Topics Humanities courses. We provide examples of course scope and sequences that integrate key phases of the Gale Digital Scholar Lab workflow that may culminate in a final project using the Lab. You can access our three sample syllabi here:

[Digital Humanities](#)
[Exploring Topics, Online Course](#)
[Exploring Topics, 10-week Course](#)



Gale Digital Scholar Lab Case Studies

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McGill University: Riddle Culture in the 18th & 19th Centuries

Enigmatic Bills of Fare led to explorations of riddling culture in 18th and 19th centuries.



Figure 1. Printed Enigmatic Bill of Fare.
Bodleian, John Johnson Collection

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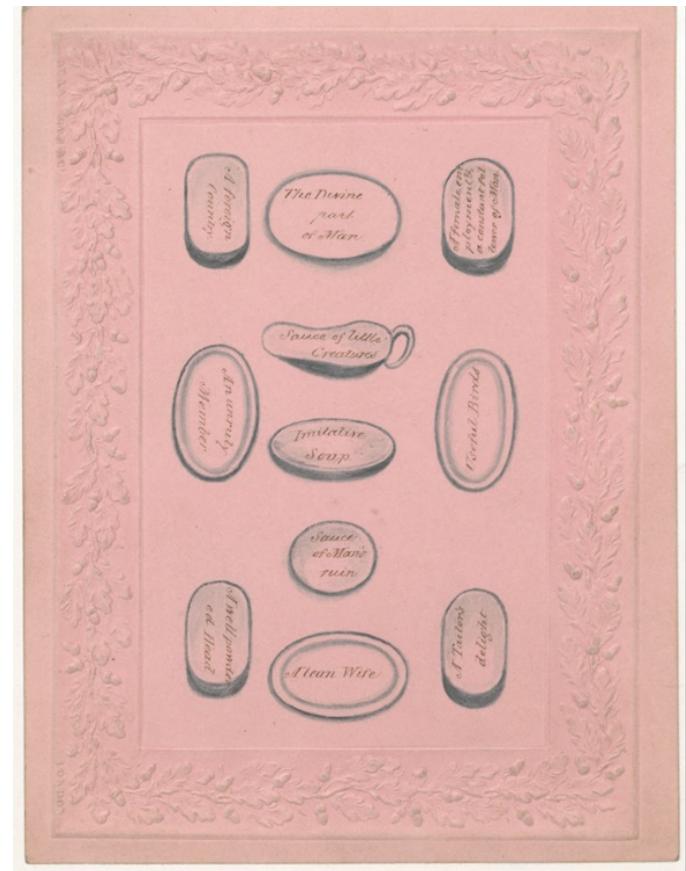


Figure 2. Manuscript Enigmatic Bill of Fare. Cadbury Research Library: Special Collections

Newcastle University: Writing New Worlds, 1688-1789



Ngram Word Cloud depicting the most frequently occurring words and phrases contained in the Equiano and Wheatley texts, with cleaning configuration applied.

Loyola University: Anthropology 100: Globalization & Local Cultures

ANTHROPOLOGY
SPRING 2021
100 and 200 level offerings

ANTH 100 GLOBALIZATION AND LOCAL CULTURES
Multiple Sections—Check LOCUS for details
Tier I Core Credit
Counts toward: African Studies, Black World Studies, Asian Studies, GIST, Int'l Business

ANTH 102 CULTURE, SOCIETY, DIVERSITY
Prof. Ben Penglase
Synchronous sessions
MWF 10:50 - 11:40am
Tier II Core Credit

ANTH 207 ECONOMIES, CULTURE, DEVELOPMENT
Prof. Noah Butler
Synchronous
TR 3-4:15pm
Prerequisites : ANTH 100 or ANTH 102
ANTH and GIST credit

ANTH 244 HISTORICAL ARCHAEOLOGY
Prof. Vicky Kynourgiopoulos
Asynchronous
MW 9:20 - 10:10am

ANTH 101 HUMAN ORIGINS
Prof. Paula Tomczak
Asynchronous
TR 9:45 - 11am
Tier II Core Credit

ANTH 105 HUMAN BIOCULTURAL DIVERSITY
Prof. Kristin Krueger
Asynchronous
TR 11:30 - 12:45pm
Tier II Core Credit

ANTH 208 LANGUAGE AND IDENTITY
Prof. Theo Strand
Tier II Core Credit
Synchronous sessions on Wed only
Multiple Sections—check LOCUS for details

ANTH 217 MEXICAN CULTURE AND HERITAGE
Prof. Ruth Gomberg-Muñoz
Asynchronous
TR 11:30 - 12:45pm
Counts for: GIST and LALS credit

ANTH 231 LINGUISTIC ANTHROPOLOGY
Prof. Theo Strand
Synchronous sessions on Wed only
MWF 1:30 - 2:20pm
Prereq: ANTH 100 or 102 or instructor permission

CULTURE, BIOLOGY, ARCHAEOLOGY, LINGUISTICS

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LOYOLA UNIVERSITY CHICAGO | 150

A-Z CONTACT DIRECTORIES LOCUS SUPPORT LUC
LINKS ▾

CENTER FOR TEXTUAL STUDIES AND DIGITAL HUMANITIES

ABOUT RESEARCH PROJECTS ACADEMICS EVENTS RESOURCES GIRLS WHO CODE

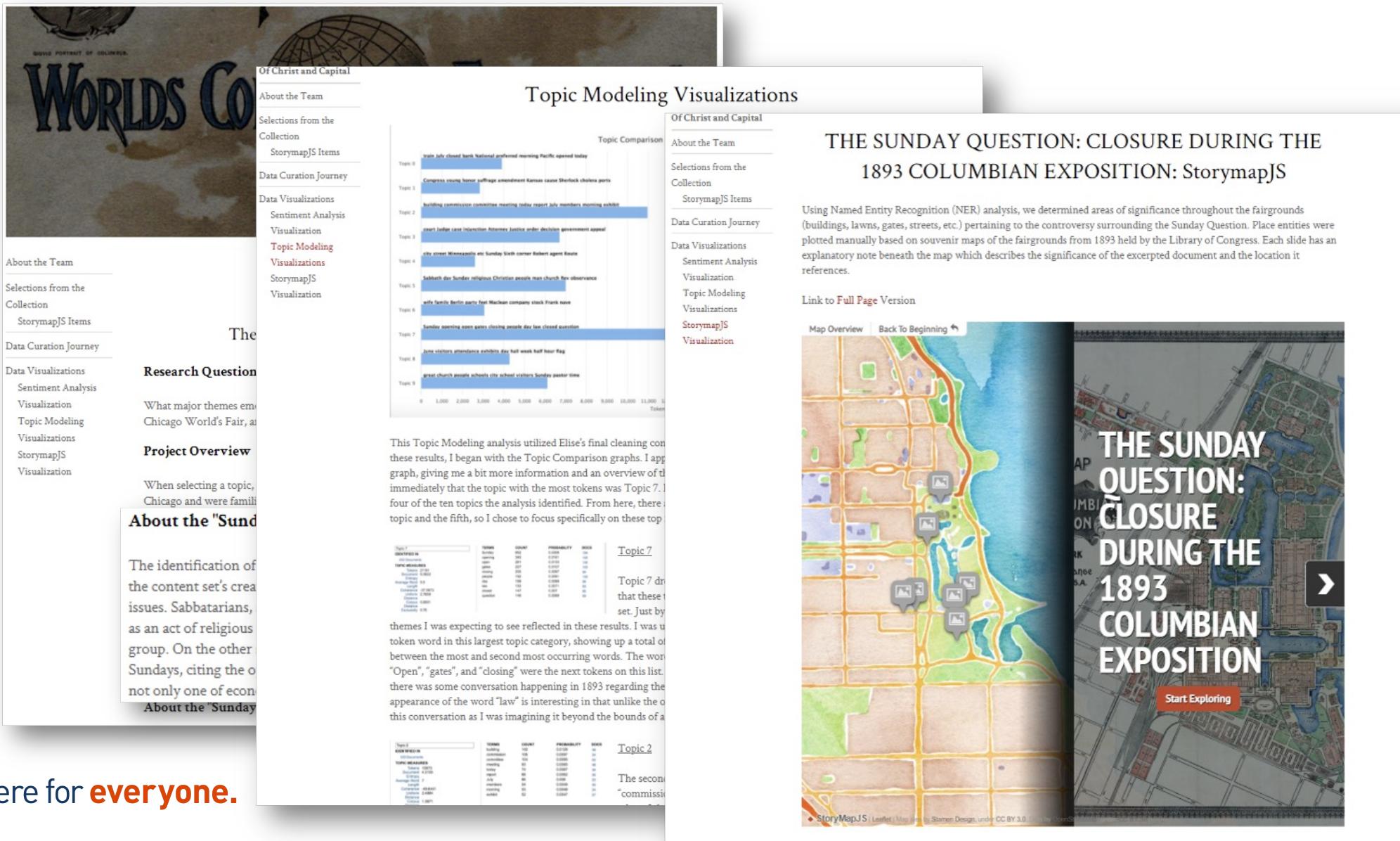
Workshop: Gale Digital Scholar Lab

GALE | DIGITAL SCHOLAR LAB

The University Libraries is initiating a trial of the *Gale Digital Scholar Lab*, a platform that enables students and researchers to do text mining and analysis on materials from *Gale Primary Sources*, which includes digitized texts from the 16th century through the 20th century. This workshop will include an interactive introduction to using the lab and a discussion of best practices. Attendees will learn how to perform searches, manage data sets, apply analysis tools, and review results. This workshop will be appropriate for researchers from a range of disciplines, and requires no prior experience with digital research methods.

The availability of digital humanities data and the tools to analyze it has allowed me to truly engage ALL my students in research. – *Catherine Nichols, Advanced Lecturer in Cultural Anthropology and Museum Studies, Loyola University*

University of Washington: Applied Digital Humanities

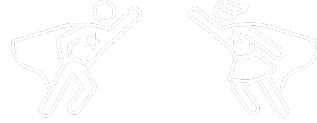


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Gale Digital Scholar Lab Roadmap

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User Engagement Group



Catherine Nichols
Loyola University

Kathrina Perry
University of Northampton

Jose Intriago Suarez
Marquette University

Qiuyang Chen
University of Warwick

Oihane Etayo
University of Warwick

Caitlin Bagley
Gonzaga University

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User Engagement Program

PURPOSE

- General Platform Feedback
- Validation & Usability feedback for in progress projects
- Discovery feedback for upcoming projects

New Data Sets

- Watergate in the News
- Watergate Declassified Docs
- Suffragettes
- Stonewall Riots
- The Murder of Olof Palme
- The Boxer Uprising
- Roberto Calvi Trial
- Sojourner Truth

Dataset 1: Watergate in the News

Get a copy of the dataset

[Get a Copy](#)

The Watergate in the News Dataset was compiled using Gale Primary Sources and Gale Digital Scholar Lab.

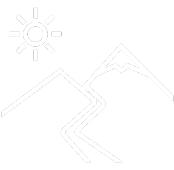
Archives Used: The International Herald Tribune Digital Archive; The Daily Mail; The Telegraph; The Sunday Times; The Times Digital Archive.

Scope: 1972 - 1975. 4741 documents.

Source Libraries: The New York Times Company (2194); Telegraph Media Group (1091); Times Newspapers Limited (1049); Associated Newspapers Limited (406).

Document Types: Article (4257); Editorial (251); Letter to the editor (144); Back matter (60); Front matter (29).





Group Collaboration

WHAT

A collaborative space in which students can work together to create content sets, analyse their materials and build their project as a group.

WHY

47% of survey respondents (Spring 2021) identified collaboration tools as Extremely or Very Important. Integrating the Lab in the classroom increases usage and the likelihood of renewal.

HOW

Working closely with our users to define requirements, build and validate prototypes and undertake extensive usability testing to ensure we are meeting user needs.

Group Workspace



The screenshot shows a dark-themed interface for selecting a workspace. At the top, it says "Please Select Your Workspace" and lists three options: "Personal", "Group A", and "Group B", each with a small circular icon. Below these are two buttons: "Create New Workspace" with a plus sign and "Learn more about the Build step »". On the left side of the main area, there's a blue icon of a person with arms raised.

The screenshot shows the Gale Digital Scholar Lab homepage. The header features the "GALE" logo and navigation links: Notebook, Content Sets, Build, Clean, Analyze, and a user profile for "Group A". The main background image is a detailed blue-toned illustration of a dragon's head and scales. The central text reads: "GALE DIGITAL SCHOLAR LAB" and "Explore the depths of your institution's Gale Primary Sources using digital humanities methodologies to discover new insights. Get started by creating your account." Below this, there are three main sections: "Digital Humanities Made Accessible" (with a blue ampersand icon), "Build your content sets" (with a search bar and a magnifying glass icon), and "Clean your texts of unwanted characters" (with a blue starburst icon). On the right, there's a "Collaborators" section with three user profiles: "Jasmine (Creator)", "Rose", and "Daisy", each with a small circular icon. The Columbia University Libraries logo is also present.

Group Collaboration Notebook



The screenshot shows the top navigation bar with 'Notebook', 'Content Sets', 'Build', 'Clean', and 'Analyze' tabs, and a user icon for 'Group A'. Below the bar are several action buttons: 'Add Note' (pencil), 'New Content Set' (green plus), 'New Folder' (file folder), 'Move' (arrow), 'Merge' (two overlapping files), 'Duplicate' (copy), and 'Delete' (trash can).

The page title is 'My Content Sets'. It lists several content sets: 'Alcohol as Medicinal', 'Deep Sea Exploration Rep.', 'Motherhood during the 19th Century', 'Women in Science', and 'Unions + 19th Century'. A modal window titled 'Note: Content Sets Page' is open, showing a text area with placeholder 'Type a note' and a rich text editor toolbar. Below the text area are 'Build' and 'Analyze' sections with document counts and 'Run' buttons. At the bottom of the modal are 'Cancel' and 'Save' buttons.

The interface is titled 'GALE DIGITAL SCHOLAR LAB' and 'Workbook'. It displays three analysis cards:

- Unions 19th Century Content Set**: Last updated 7/6/2022 3:00 PM. Includes a video thumbnail for 'What is a Content Set?' and a summary text block.
- Sentiment Analysis**: Last updated 7/6/2022 3:00 PM (edited 7/7/2022 5:45 PM). Includes a line chart visualizing sentiment over time.
- General Note**: Last updated 7/6/2022 3:00 PM. Includes a summary text block.

Gale, here for **everyone.**

Thank you!

Gale, here for **everyone**.