



一次史料テキストマイニング・プラットフォーム
Gale Digital Scholar Lab

Galeウェビナー

2022年4月14日

センゲージラーニング株式会社
Gale部門 商品担当

森澤 正樹

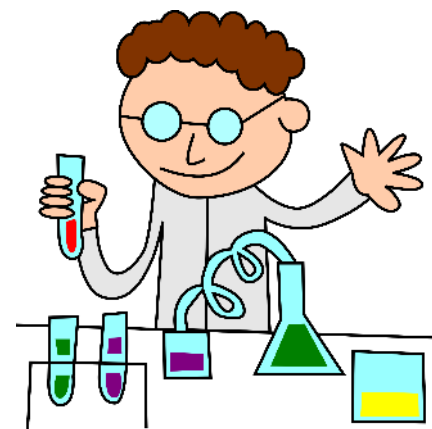
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DIGITAL SCHOLAR LAB

Explore your institution's holdings from Gale Primary Sources with new eyes,
using digital humanities to discover new insights on historical materials

本日のアジェンダ

- Gale および Gale Primary Sources について
- Gale Digital Scholar Lab とは
- Gale Digital Scholar Lab デモンストレーション
- 実際の応用例
- 質疑応答



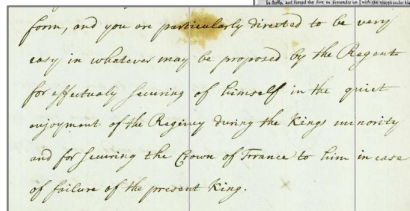
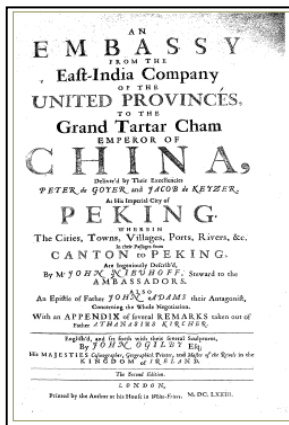
会社紹介



- 米国の教育出版社センゲージラーニングの図書館部門
- 本部: 米国ミシガン州ファーミントン・ヒルズ市
- 出版形態
 - ✓ 百科事典・年鑑などのレファレンス書籍
 - ✓ 電子ブック・文学情報・雑誌記事などのデータベース
 - ✓ 一次資料・新聞などのマイクロフォーム
 - ✓ 一次資料・新聞などのデジタル・アーカイブ



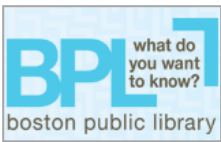
Gale Primary Sources



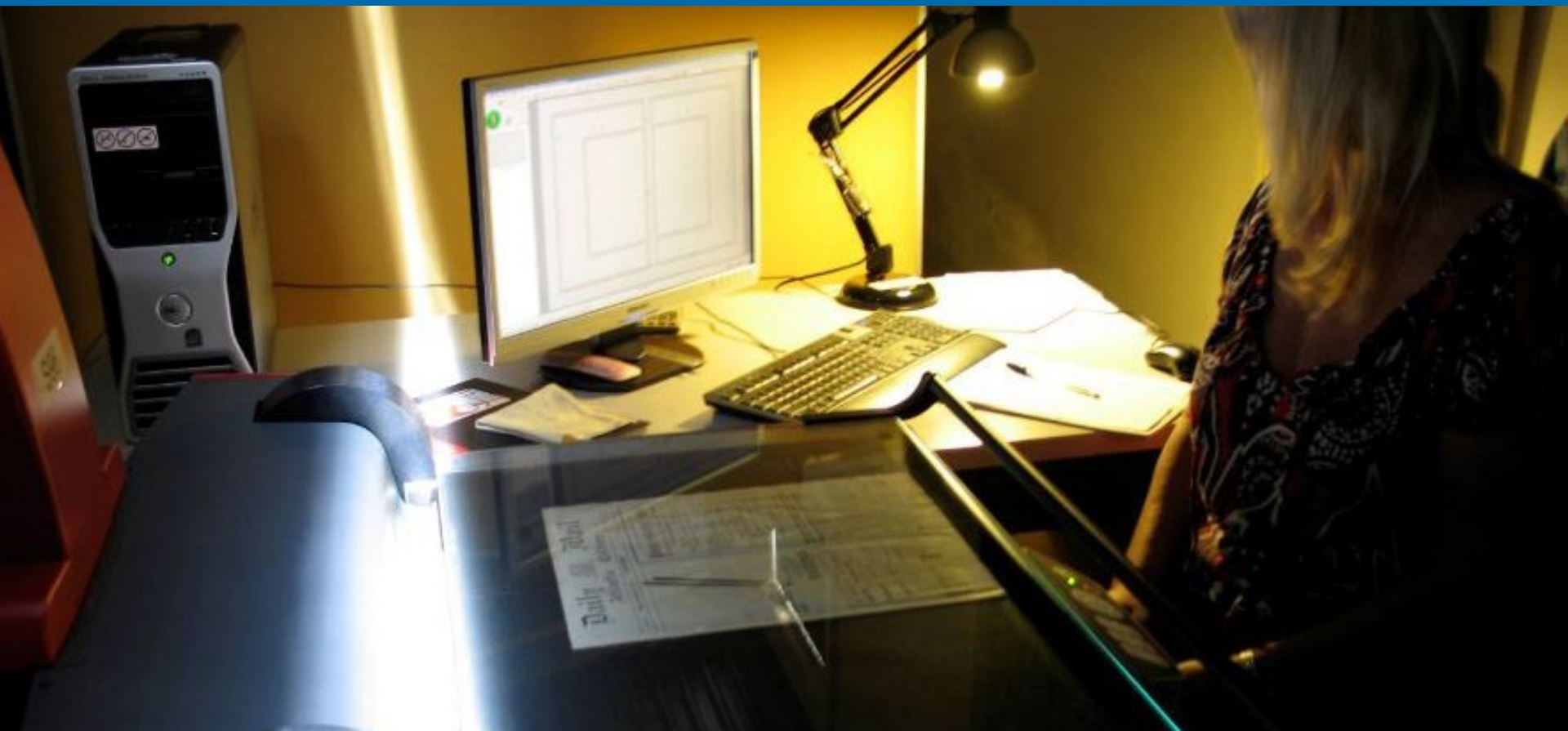
- Gale のデジタル一次史料データベース群の総称
- 同データベース群の横断検索プラットフォームの名称
- データベース数400種以上、総ページ数2億ページ以上
- 主な商品の例:
 - Eighteenth Century Collections Online (ECCO)
 - Nineteenth Century Collections Online (NCCO)
 - The Times Digital Archive
 - The Making of the Modern World (MOMW)
 - U.S. Declassified Documents Online
 - ほか、多数



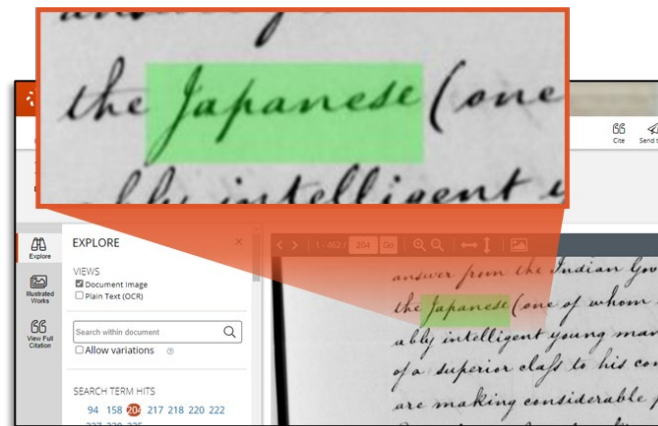
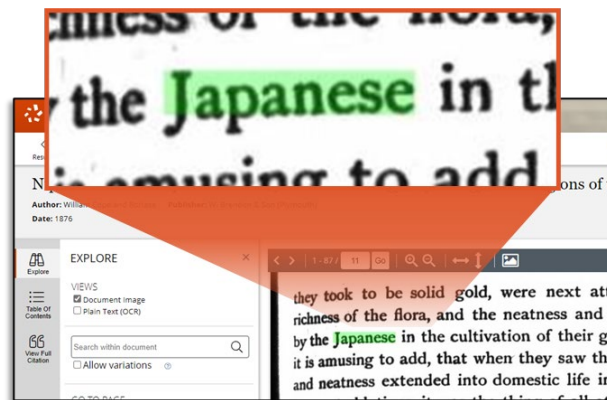
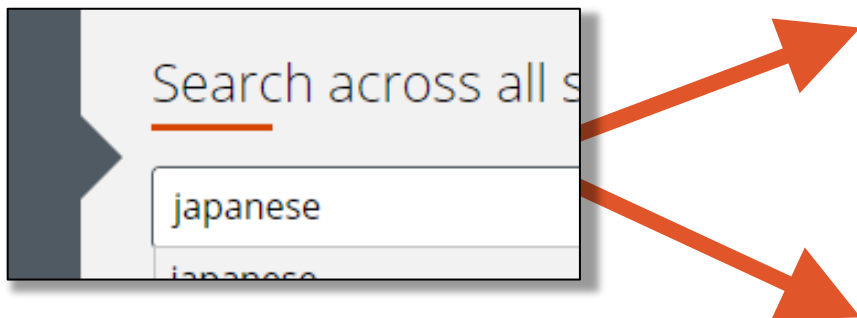
原本収蔵機関の例



貴重資料のデジタル化



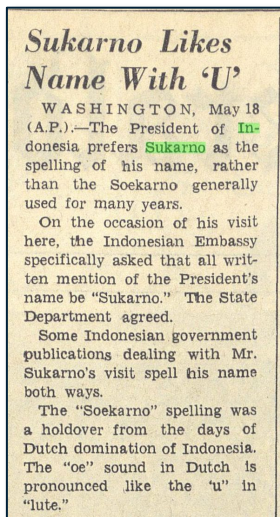
歴史資料のフルテキスト検索



OCR = 光学文字認識 (Optical Character Recognition)
HTR = 手書き文字認識 (Handwritten Text Recognition)

* HTRIは一部の最新データベースのみ

文書の背後のOCRテキスト



文書画像

Sukarno Likes Name with 'U' Sukarno Likes Name With 'U', WASHINGTON, May 18 (A.P.). The President of Indonesia prefers Sukarno as the spelling of his name, rather than the Soekarno generally used for many years. On the occasion of his visit here, the Indonesian Embassy specifically asked that all written mention of the President's name be "Sukarno." The State Department agreed. Some Indonesian government publications dealing with Mr. Sukarno's visit spell his name both ways. The "Soekarno" spelling was a holdover from the days of Dutch domination of Indonesia. The "oe" sound in Dutch is pronounced like the "u" in "lute."

OCRテキスト



OCRテキストをたくさん集めて、分析できたら？

Sukarno Likes Name with 'U' Sukarno Likes Name With 'U'. WASHINGTON, May 18 (A.P.)—The President of Indonesia prefers Sukarno as the spelling of his name, rather than the Soekarno generally used for many years. On the occasion of his visit here, the Indonesian Embassy specifically asked that all written mention of the President's name be 'Sukarno.' The State Department agreed. Some Indonesian government publications dealing with Mr. Sukarno's visit spell his name both ways. The 'Soekarno' spelling was a holdover from the days of Dutch domination of Indonesia. The 'oe' sound in Dutch is pronounced like the 'au' in 'Australia.'



Eisenhower, Sukarno Agree on 'Freedom' 881 mm President Sukarno of Indonesia, and Mrs. Richard M. Nixon at a Washington reception. Eisenhower, Sukarno see on 'Freedom' Ag. By the United Press WASHINGTON, May 20.—President Eisenhower said Friday night that the people of the United States must never forget that unless we defend the freedom of the other fellow we are endangering our own. Mr. Eisenhower, in a toast to visiting Indonesian President Sukarno, said that he wanted to express his gratitude to Mr. Sukarno for recalling a basic American responsibility. 'I want to thank you for what you have reminded us of,'



Sukarno Hailed on Broadway Sukarno Hailed On Broadway. NEW YORK, May 23 (A.P.)—New York today accorded President Sukarno of Indonesia the traditional honor for visiting dignitaries—a ticker tape parade along Lower Broadway through the skyscrapers of the financial district. The President stood in the rear of an open car for the 15-minute drive from Battery Park to City Hall. A light rain began to fall just before the parade started, but even so police estimated the crowd along the line of march and in City Hall Plaza at 80,000. Many persons along the parade route waved the red and white flag of Indonesia. Mr. Sukarno waved repeatedly. Arriving at City Hall, Mr. Sukarno was greeted by Mayor Robert F. Wagner. Both men stood at attention as the national anthems of the United States and Indonesia were played.



Sukarno and Pope Hold Talk Sukarno And Pope Hold Talk By Barrett McGurn From the Herald Tribune Bureau (g) 1956. New York Herald Tribune, Inc., ROME, June 13.—Pope Pius XII promised President Achmed Sukarno of Indonesia here today that foreign missionaries of the Roman Catholic Church will be withdrawn from his country as quickly as possible, and appealed in effect for 'patience' during what he calls the 'transition period.' The Indonesian revolutionary nationalist leader assured the Pope in reply that he considered the 1,000,000 Indonesian Catholics, slightly more than 1 per cent of the population, a loyal part of his country and wished the Catholic religion well in his homeland.



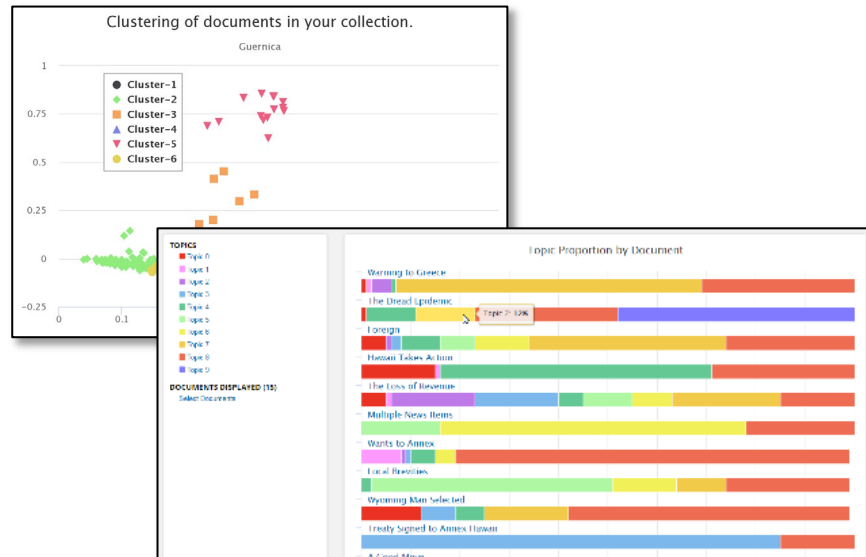
...



2つの異なるワークフロー

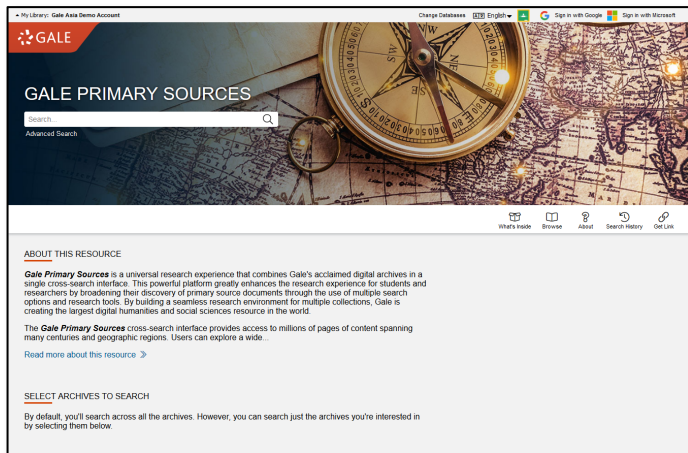
The screenshot shows the Gale Primary Sources search interface. At the top, the text "GALE PRIMARY SOURCES" is displayed. Below it, a search bar contains the word "thailand". The interface includes navigation buttons like "Home", "Advanced Search", and "Sign in with Google". A search result for "West of the Mekong" is shown, with a snippet of text and a map of Thailand. The text snippet reads: "army, quite often from pure work. And sometimes they return to their old jobs. The Diplomatic Service (Diplomatic Dictionary) which provided some of the data here recorded in a world sense of reference. It gives Russian diplomatic factual information on a wide range of subjects; it also sets out the official Soviet position on many international issues. But it is not quite up-to-date (the first volume was published in 1965, the second in 1976, the third in 1984). Although Stalin and Molotov are mentioned, it was published too early to allow for the denouement of Mr Khrushchev, who has the longest personal entry of all: two and a half pages, three more than Lenin."

検索 → 閲読

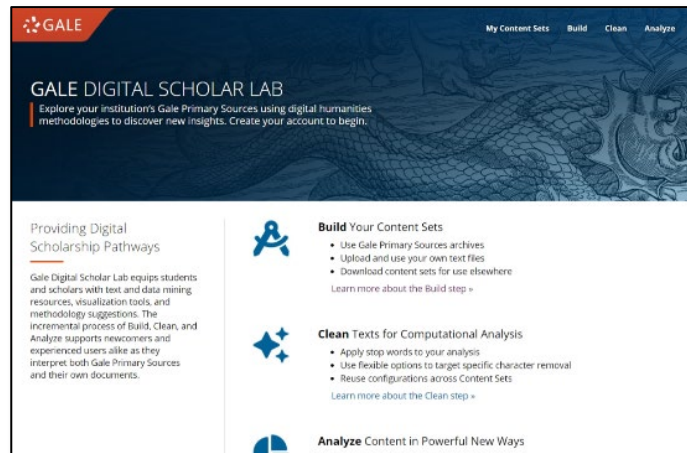


データ収集 → 分析

それぞれに最適なプラットフォーム



Gale Primary Sources



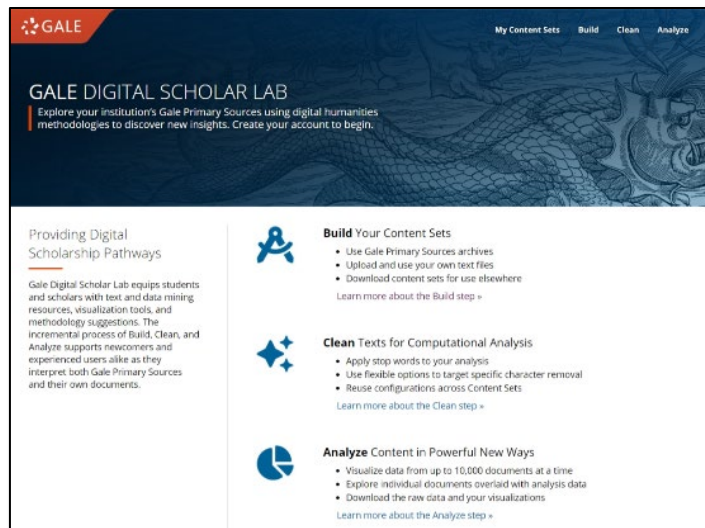
Gale Digital Scholar Lab



Gale Digital Scholar Lab

Galeの一次史料テキストマイニング専用プラットフォーム

- Gale Primary Sources データベース群のOCRテキストを搭載
- 主要なテキストマイニング・ツール(分析ツール)を内蔵
- OCRクリーニング・ツールを内蔵
- **プログラミング等の知識は不要!**



Gale Digital Scholar Lab のワークフロー



Gale Digital Scholar Lab のワークフロー



現在 Lab で分析可能なデータベース

- Amateur Newspapers from the American Antiquarian Society
- American Fiction 1774-1920
- American Historical Periodicals from the American Antiquarian Society
- Archives Unbound
- Archives of Sexuality and Gender
- 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 1896-2016
- Declassified Documents Online: Twentieth Century British Intelligence
- The Economist Historical Archive, 1843-2020
- Eighteenth Century Collections Online (ECCO)
- The Illustrated London News Historical Archive 1842-2003
- The Independent Historical Archive
- Indigenous Peoples of North America
- International Herald Tribune Historical Archive, 1887-2013
- Liberty Magazine Historical Archive, 1924-1950
- The Listener Historical Archive, 1929-1991
- The Making of Modern Law (MOML)
- The Making of the Modern World (MOMW)
- Mirror Historical Archive 1903-2000
- Nineteenth Century Collections Online (NCCO)
- 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
- 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 Archive
- Smithsonian Collections Online
- The Sunday Times Historical Archive 1822-2016
- The Telegraph Historical Archive 1855-2016
- The Times Digital Archive 1785-2019
- The Times Literary Supplement Historical Archive 1902-2019
- U.S. Declassified Documents Online
- Women's Studies Archive

現在 Lab で分析できないデータベース

- Financial Times Historical Archive
- National Geographic Magazine Archive
- Chatham House Online Archive
- Gale World Scholar: Latin America & the Caribbean
- Early Arabic Printed Books from the British Library
- British Literary Manuscripts Online
- State Papers Online

主な理由:

- 権利関係の理由 (Financial Times)
- プラットフォームが未統合 (National Geographic, Chatham House, Gale World Scholar, Early Arabic Printed Books)
- 手稿中心でOCRがない (British Literary Manuscripts、State Papers)



自身のコンテンツをアップロードする

- テキストを直接入力するか、.txt形式のファイルを選んでアップロードする(最大一度に10MBまで)
- 著作権・テキストマイニング権のクリアランスはユーザー自身の責任となります。

The screenshot shows the Gale Build interface. At the top left, there is a 'Build' logo and a description: 'Build Content Sets by finding documents in your institution's Gale Primary Sources holdings or by uploading your own documents.' Below this is a 'Search' section with a search box labeled 'Search by keyword' and a magnifying glass icon. Underneath the search box, there is an 'Advanced Search' section with a description: 'Refine your search by publication date, source library, OCR confidence, and many more' and a link 'View all limiters in Advanced Search'. Below that is a 'Logical Operator Examples' section with three examples: 'AND: feminism AND gloria steinem', 'OR: comic book OR cartoon OR graphic novel', and 'NOT: war NOT world war II'. At the bottom of the search section is a 'COMBINATION: cloning AND stem cells NOT sheep' example. On the right side of the interface, there is a video player with the title 'Video: Building a Content Set' and a list of 'Additional topics': 'Search Strategies', 'Understanding Search Results', and 'View All Build Help'. Below the video player is an 'Upload' section with a red border. It has a 'Text Entry' link and a 'Manage My Documents' link. The main area of the 'Upload' section is a large grey box with the text 'Drag and Drop .txt Files here or Browse'. At the bottom of the 'Upload' section, there is an 'Add Metadata' button, a link 'Why add metadata?', and an 'Add to Content Set' button.



Gale Digital Scholar Lab のワークフロー



OCRクリーニング・ツールの設定(任意)

- OCRクリーニング設定をすることができる
- ストップワード*、特殊文字の扱い、語句の検索置換など
- 作成したクリーニング設定を保存し、分析に適用することができる

* ストップワード(stop words) : あまりに一般的であるため、分析の対象から除外する語。
英語の場合、「a」「the」「of」「in」等々。



なぜクリーニングが必要か

- OCRテキストに含まれる「ノイズ」を除去する、ありふれた言葉を減らす、等



Document Text

OCR Confidence: 73% Learn how this text was created

The Language War in Hong Kong Cantonese, Mandarin and English Compete for a Place at School

if m Hi ¥ I m .-A m A g ; * m ¥ I :li# ■ : -Ni f itf % ^v f Wv yvX^AxxA ; "¥ f f : x A I I m I si * ill 3* 7 si WXvSos SSSKS.' ^ * -a? IN i m M i \ ' 1 ■ N m M : •41' •Jg m J m > . M |\$f\$§\$§ 'XV III# . k' & 'S&Xs' sSS\|>x: \si X ill 'xxx' ifisk ¥ *1 X ; I KM

A student calling out his answer during a class at the Shatin Tsung Tsin Secondary School in Hong Kong. 'A' Jenni Meili Lau/The Washington Post
By Steven Knipp, LONG KONG — For years this former British colony has had the dubious distinction of being a place where it was a serious social stigma not to be able to speak a foreign language fluently. For the city's 6 million Cantonese-speaking majority, that language was English. British rule ended in July, but the people of Hong Kong face a new quandary. Which language should their children learn? Cantonese — the local dialect spoken at home and in the street? Mandarin — China's official language? Or English — the language of international business? Whatever path the government takes, it will have far-reaching effects on a generation of young people. The language issue here is wrapped in conflicting influences and emotions, not the least of which is the local Cantonese pride that is resistant to Beijing's hopes of integrating Hong Kong into the "motherland" as quickly as possible, residents, some 60 million people in Guangdong Province nearby speak Cantonese. But Beijing considers the southern tongue just another marginal dialect among China's 6 billion. Joseph Mandarin-speaking

SBA PROGRAM COLLEGE OF WILLIAMSBURG

Business ENGLISH Business ENGLISH

Highly Qualified HR/HRM/HR & MKT

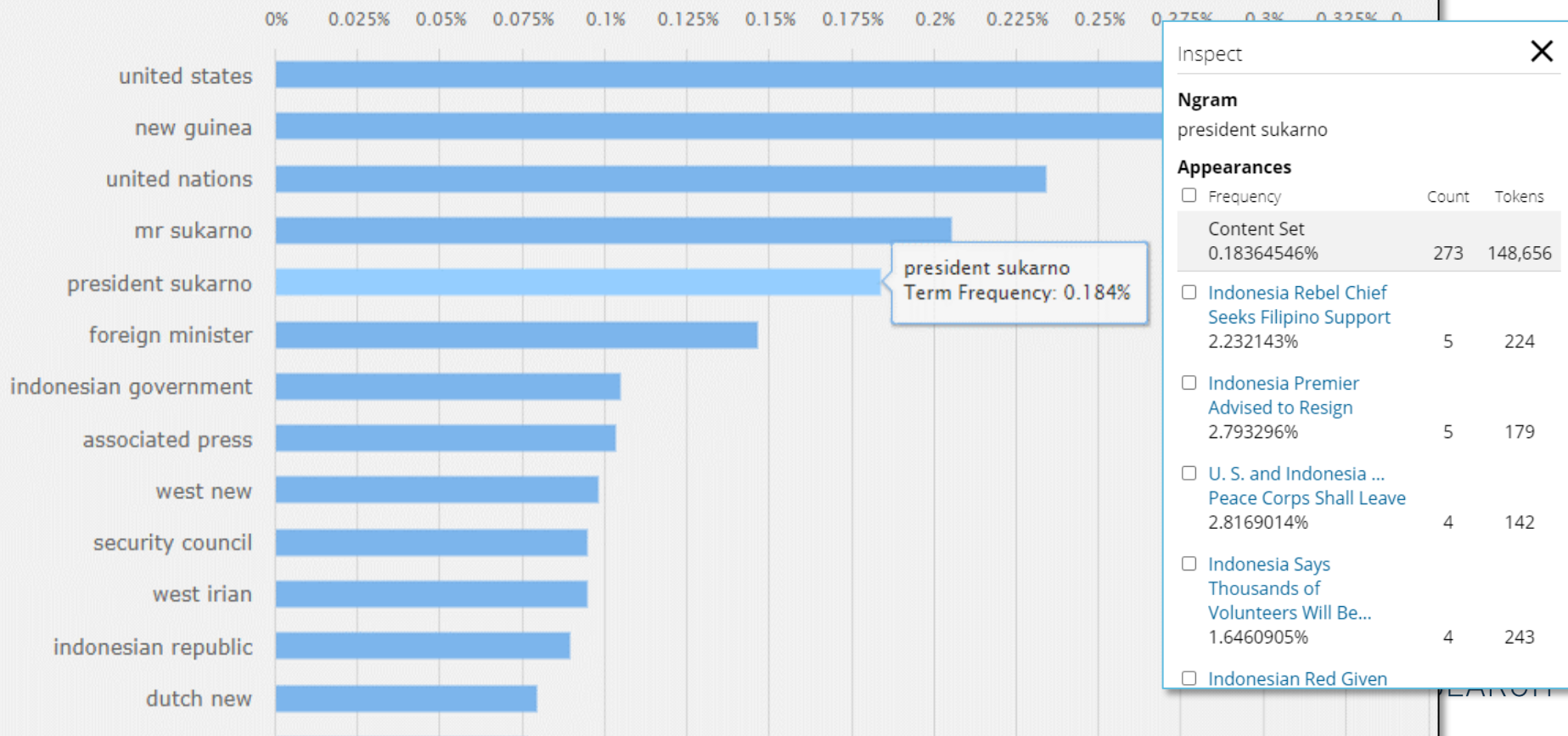
Gale Digital Scholar Lab のワークフロー



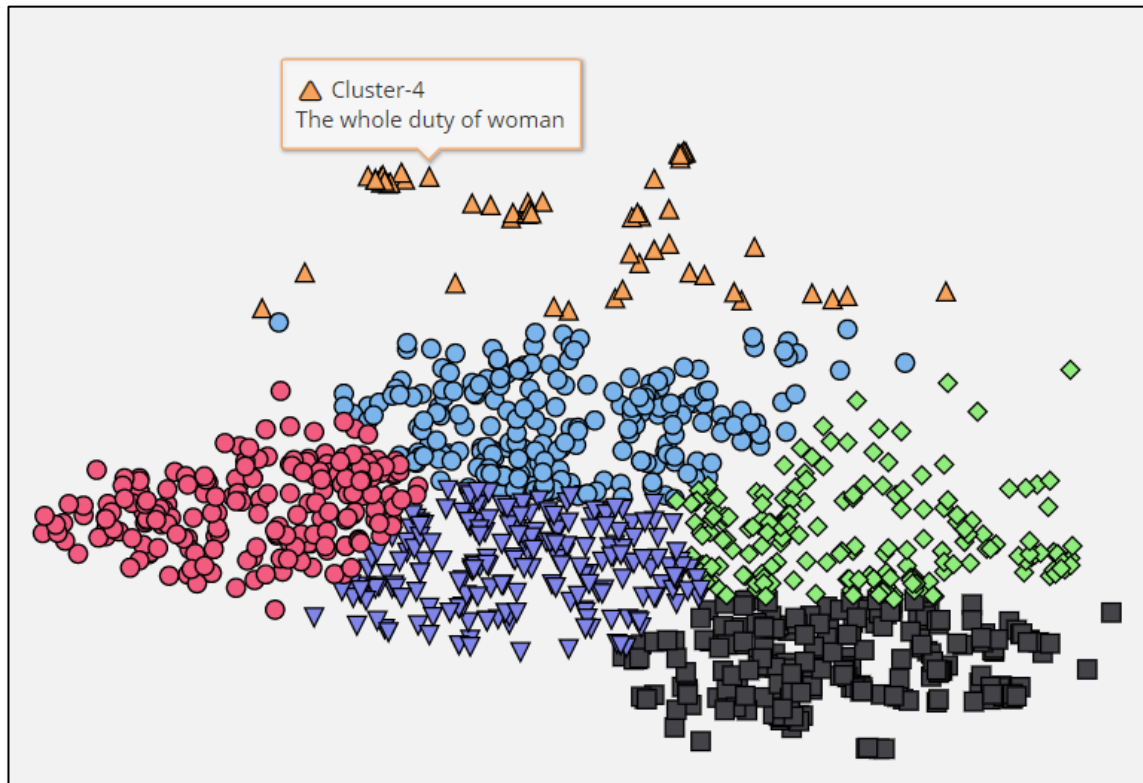
Gale Digital Scholar Lab で現在利用可能な分析ツール

ツール名	主な用途	ライブラリ・ツールキット	オープンソース
Nグラム頻度 Ngram	頻出単語・フレーズの抽出	Lucene	×
クラスタリング Clustering	文書を類縁性で分類	SciKit Learn	○
感情分析 Sentiment Analysis	文書内容が肯定的か否定的かを分析	OpenNLP	○
固有表現抽出 Named Entity Recognition	固有名詞・数字・日付等の抽出	spaCy	○
トピック・モデリング Topic Modelling	複数の文書に共通するトピックの抽出	Mallet	○
品詞タグ付け Parts-of-Speech Tagger	著者ごとに品詞の使用頻度を比較	spaCy	○

1. Nグラム頻度の分析例



2. クラスタリングの分析例



Inspect



Document

The polite instructor; or, youth's museum.

- ◆ Consisting of moral essays, tales, fables, visions, and allegories. Selected from the...

Open Document

Top 20 Most Similar Documents

The smaller the distance, the greater the similarity to the selected document. [Download Full List](#)

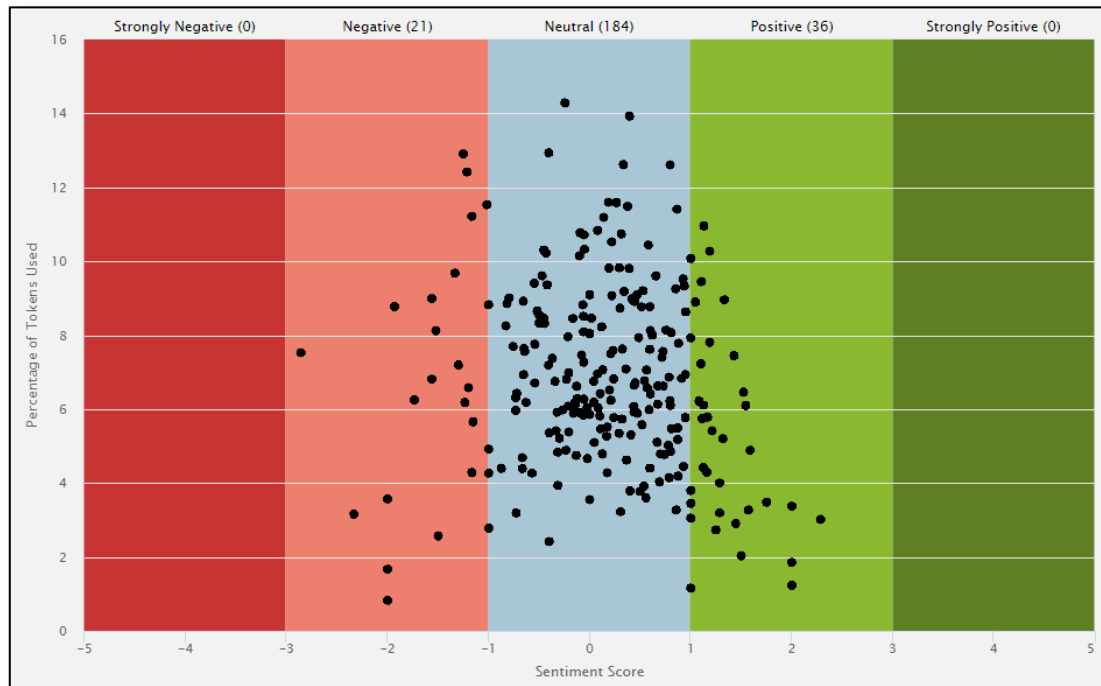
<input type="checkbox"/>	Distance	Title
<input type="checkbox"/>	0.0001	◆ Instructions for a young lady, in every sphere and period of life. Containing, I. A...
<input type="checkbox"/>	0.0001	◆ The lady's miscellany; or Pleasing essays, poems, stories, and examples, for...
<input type="checkbox"/>	0.0005	◆ The ladies complete letter-writer; teaching the art of inditing letters On every...
<input type="checkbox"/>	0.0013	◆ Instructions for a young lady,

3. 感情分析の例

否定的



肯定的



Inspect



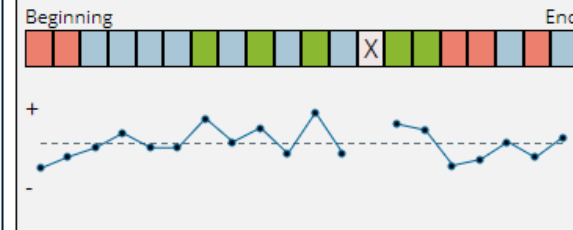
Document

-0.169 The politick wife: or, the devil outwitted by a woman

Open Document

Add to Content Set

Document Subsections



Percent Scored

Tokens Scored : 59
Total Tokens : 495

4. 固有表現抽出の分析例

Legend

View

Top 200 Entities by Count

Entity Search

Search for entities



Entity categories

Category

Date

Time

Geography

Geo-Political Entity

Place 固有表現の分類

Artwork

Event

Law

Product

Person

Entity ⇅

Category ⇅

Documents ⇅

Count ▼

Japan

Geo-Political Entity

215

3396

Japanese

Cultural Group

206

2544

U.S.

Geo-Political Entity

129

1534

US

Geo-Political Entity

159

1510

1

Number

236

1155

2

Number

269

981

Okinawa

Organization

186

963

the United States

Geo-Political Entity

119

830

4

Number

214

745

3

Number

246

732

NSC

Organization

49

482

5

Number

165

458

Korea

Geo-Political Entity

75

417

China

Geo-Political Entity

82

397

固有表現の一覧

5. トピックモデリングの分析例



6. 品詞タグ付けの分析例

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

2 of 2 selected

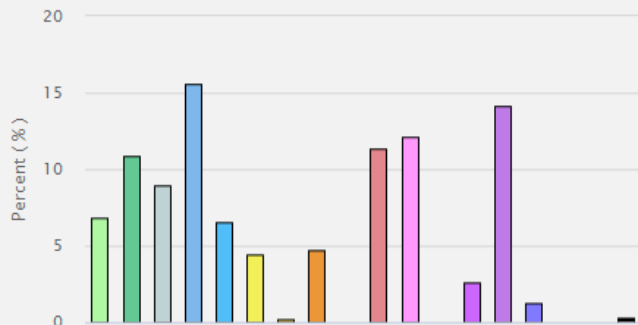
[Change selection](#)

Graphs Shown: 10

Grid Columns: 2

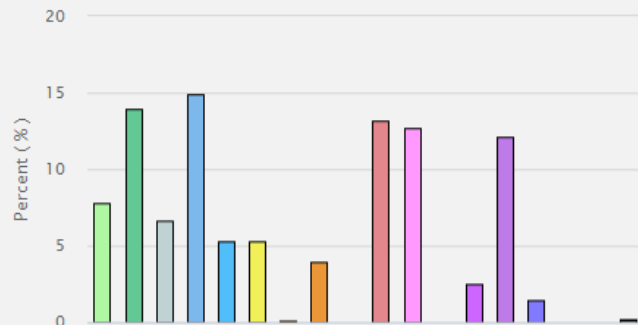
Daniel Defoe

1 documents | Tagged 145,155 Parts of Speech



Jonathan Swift

1 documents | Tagged 60,063 Parts of Speech

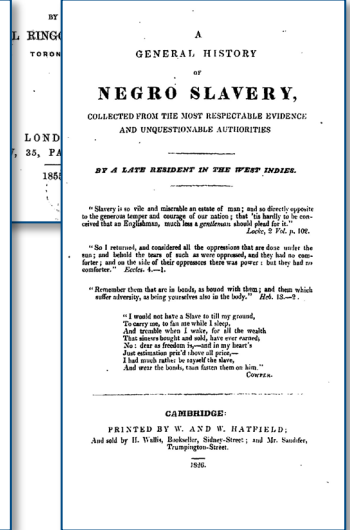
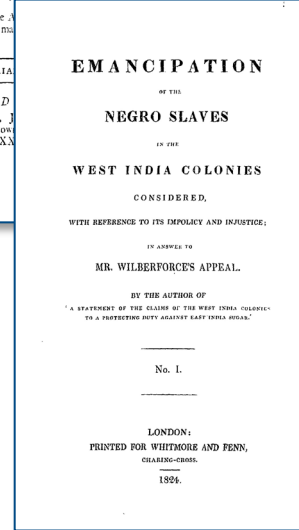
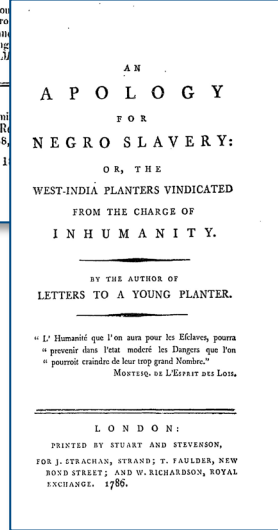
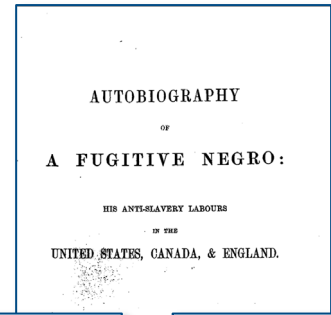
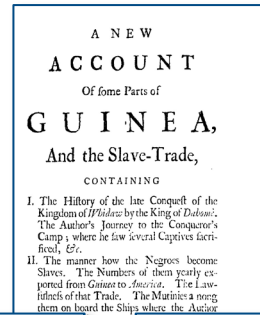
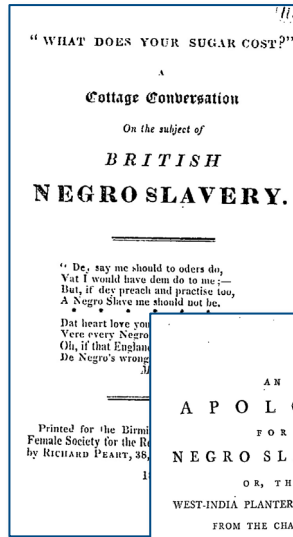


Gale Digital Scholar Lab デモンストレーション



経済学史・経済史古典文献集成 (MOMW)における「奴隷制」

- The Making of the Modern World, Parts I-IV
- タイトルが「slav*」「negr*」を含む英語の書籍
- 年代: 17世紀～19世紀



Gale Digital Scholar Lab のワークフロー

 Build



 Clean



 Analyze

- 文書の検索
- 文書の選択
- コンテンツセットの作成
(1コンテンツセットあたりの文書数は最大1万件)
- コンテンツセットの複製・合体
- 自身のテキストをアップロードする(任意)

- デフォルトのクリーニング設定を適用する
- 自身のクリーニング設定を作る
- ストップワードの管理、特殊文字の扱い、検索／置換など
- 保存したクリーニング設定を分析に適用する

- その場で分析を実行する
- 用途に応じた6種類のツール
- 分析結果をダウンロードする(画像またはデータ)
- コンテンツセットのOCRテキストをダウンロードする
(1コンテンツセットあたり最大文書5千件まで)
- 分析の実行履歴は保存される

「OCR Confidence」について

The screenshot displays a digital scholar lab interface. At the top, there is a navigation bar with "DIGITAL SCHOLAR LAB" on the left and "My Content Sets", "Build", and "Clean" on the right. Below this is a search bar with "Search by keyword" and a magnifying glass icon. The main content area shows a document titled "Literature Of German Socialism.*". A sidebar on the left contains navigation options like "Explore", "Document Image", and "Plain Text (OCR)". The central document viewer shows a page with the title "THE LITERATURE OF GERMAN SOCIALISM.*" and a paragraph of text. A red box highlights the OCR confidence score of 86% for the document text. A smaller red box highlights the OCR confidence score of 86% for a specific line of text in the document.

DIGITAL SCHOLAR LAB

My Content Sets Build Clean

Search Search by keyword Advanced Search

Literature Of German Socialism.*

Explore

Document Image Plain Text (OCR)

OTHER ARTICLES IN VIEW

vention Of River Pollution.-A meeting

liamentary Procedure.

reet Lamplighting By Electricity.-The

he Future Of Turkey.

ews in Brief

Search within document

within this article

within this issue

within this publication

Related Subjects

Document Text

OCR Confidence: 86% Learn how this text was created

OCR Confidence: 86%

THE LITERATURE OF GERMAN SOCIALISM.*

The literature of Socialism in Germany grows with marvellous rapidity. No one can keep pace with it. Only about 25 years have passed since Lassalle founded the General German Workmen's Association and gave the first decided impulse to the movement; and yet, such has been the multitude of books and pamphlets on the subject that its most laborious, painstaking historians own that they have not mastered the enormous literature. It is not an easy or a very profitable task to wade through the books, and catechisms about "the social question," as the thousand questions involved in Socialism are called. It is a dreary, cold-blooded literature, as a rule—the dull, pointless reiteration of materialism. It is leavened by a coarse kind of philosophy. It abounds in frothy invectives against the established order of things and details about the squabbles and jealousies of rival demagogues. Much of it is the work of half-educated men who trade upon a few imposing phrases borrowed from Marx or Lassalle, and who write in a drowsy, soporific strain, as if from a conviction that a reformer must be a bore, and that the world must be thrown into a deep sleep before it will submit to be operated upon with their knives. It

to his friend "Herr Lassalle which will have and modesty" least thought a Lassalle had a but only let so would cast aside regardless of ce in whom he an extolling, above self-restraint of did not take th alien to his grand oeuvre et use of superlat epigrams, betre through his ch

None of our about Lassalle robbery, for v Court at Düsse himself heart friends. He ca the poet was y his annuity, u of the Countess with her husba an interdict to estates. It wa session of a cas

- THE LITERATURE OF GERMAN SOCIALISM.* The literature of Socialism in Germany grows with marvellous rapidity. No one can keep pace with it about 25 years have passed since Lassalle founded the General German Workmen's Association and gave the first decided impulse to the movement; and yet, such has been the multitude of books and pamphlets on the subject that its most laborious, painstaking historians own that they have not mastered the enormous literature. It is not an easy or a very profitable task to wade through the books, brochures, manifestoes, programmes, speeches, and catechisms about "the social question," as the thousand questions involved in Socialism are called. It is a dreary, cold-blooded literature, as a rule—the dull, pointless reiteration of paradoxes. It is leavened by a coarse kind of materialism, sometimes of the mere pot-house school of philosophy. It abounds in frothy invectives against the established order of things and details about the squabbles and jealousies of rival demagogues. Much of it is the work of half-educated men who trade upon a few imposing phrases borrowed from Marx or Lassalle, and who write in a drowsy, soporific strain, as if from a conviction that a reformer must be a bore, and that the world must be thrown into a deep sleep before it will submit to be operated upon with their knives. It

「OCR Confidence」について

OCR Confidence \neq OCR Accuracy

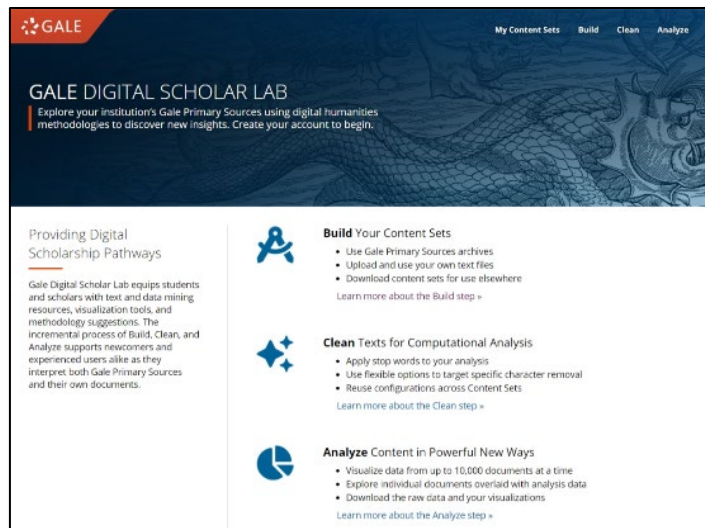
- 各文書について表示される「OCR Confidence」とは、OCRプログラムによる自己採点値で、いわゆる「正読率」と同じではありません。
- 多くの場合、OCR Confidence値は原本の状態や挿画・写真等の有無などにより大きく左右されます。
- 一見、低い数値でも、テキスト以外のノイズによることもあり、利用目的によっては十分な品質であることもあります。



Gale Digital Scholar Lab

Galeの一次史料テキストマイニング専用プラットフォーム

- Gale Primary Sources データベース群のOCRテキストを搭載
- 主要なテキストマイニング・ツール(分析ツール)を内蔵
- OCRクリーニング・ツールを内蔵
- **プログラミング等の知識は不要!**



実際の応用例

W
UNIVERSITY of
WASHINGTON



in Oxford Exhibits: Evolving Attitudes Toward Chinese Food in the U.S., The Tenth House in WWI, By the Stars: Vegetarianism in WWI, Learning across the Years: Food Cultures in Spain and East, The Science of Eggs Donated

ro to Digital Humanities Fall 2018

Evolution Timeline
Chinese Restaurant Syndrome
@ Suiy
LA Chiu Food Products
Hawaii's Visit to China
Class Data Visualizations
about
China

Evolving Attitudes Toward Chinese Food in the U.S.

Now CHOP SUEY at HOME
For us go off it in Japan
CHINESE RESTAURANTS
you of your country? MFG
is NO. I suspect
The restaurant owners
and dietitians. A number of
the restaurants. American people
they are fully embraced by local
the American and Great Britain
Lighting Bureau of Food.

As an analysis of how Chinese food was received in the United States over time through exploration of documents and articles that cover the Chinese restaurant syndrome as an extension of anti-Chinese sentiment, Chop Suey and LA Chiu Food Products as ways Chinese food was embraced, and finally research (1972) used to China and its impact on the perception of Chinese food in America.

ワシントン大学「デジタル人文学入門」

2015～2018年に開講した共通科目

- 初めての開講、学部生・院生の両方が履修可能
- 週2回、各回2時間、単学期(10週)
- 受講生の学年、所属学科はさまざま



ワシントン大学 サラ・ケッチリー先生

Sara L. Ketchley, "Introducing Digital Humanities in the Undergraduate Classroom: Strategies, Solutions, and Pedagogical Practices Using the Gale Digital Scholar Lab" in *Digital Scholarship, Digital Classrooms: New International Perspectives on Research and Teaching*, Farmington Hills, MI: Gale, 2020



ワシントン大学「デジタル人文学入門」

様々な技術的困難:

- ソフトウェアのインストールとトラブル対応で貴重な授業時間が費やされてしまう
- さまざまなプラットフォームがあり、それぞれに癖があるので、使い慣れるまでに時間がかかる
- 大学側のITサポートも期待できない

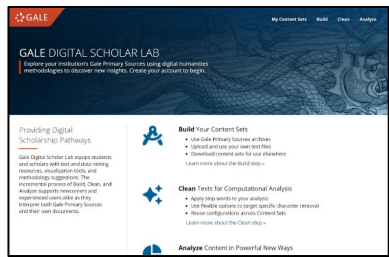


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ワシントン大学「デジタル人文学入門」



ワシントン大学 サラ・ケッチリー先生

Gale Digital Scholar Lab の導入によって:

- コーパスの作成、データのキュレーション、分析、視覚化までを一つのプラットフォーム上で行えるようになった。
- クラウドベースなので、端末の環境に左右されなかった
- 研究課題の掘り下げや結果のプレゼンテーションにより注力できるようになった。

Sara L. Ketchley, "Introducing Digital Humanities in the Undergraduate Classroom: Strategies, Solutions, and Pedagogical Practices Using the Gale Digital Scholar Lab" in *Digital Scholarship, Digital Classrooms: New International Perspectives on Research and Teaching*, Farmington Hills, MI: Gale, 2020

学生による発表の例:

「アメリカ人の中華料理に対する態度の変遷」



ワシントン大学 サラ・ケッチリー先生

Browse Student Exhibits Evolving Attitudes Toward Chinese Food in the U.S. The Terrace Room in WWII By the Glass Vegetarianism in WWII

Thanksgiving across the Years Food Patterns in Boom and Bust The Journey of Eggs Benedict

Intro to Digital Humanities Fall 2018

Interactive Timeline

- Chinese Restaurant Syndrome
- Chop Suey
- La Choy Food Products
- Nixon's Visit to China
- Class Data Visualizations
- About
- Credits

Evolving Attitudes Toward Chinese Food in the U.S.

An analysis of how Chinese food was viewed in the United States over time through exploration of documents and articles that cover the Chinese restaurant syndrome as an extension of anti-Chinese sentiment; Chop Suey and La Choy Food Products as ways Chinese food was Americanized; and finally Nixon's 1972 visit to China and its impact on the perception of Chinese food in America.

<http://www.newbookdigitaltexts.org/dh-fall2018/exhibits/show/chinese-cuisine>

講義を振り返って



ワシントン大学 サラ・ケッチリー先生

- 学生が批判的思考、分析的推論、効果的なコミュニケーションなどの能力を身につけたのはもちろん、
- データとの格闘や管理、プロジェクトの立案と運営、多様な媒体のための文章執筆、データ分析と視覚化、チーム研究とコラボレーションなどの具体的なスキルを身につけた
- → 卒業後も就職や実社会で役に立つと学生自身が実感

Sara L. Ketchley, "Introducing Digital Humanities in the Undergraduate Classroom: Strategies, Solutions, and Pedagogical Practices Using the Gale Digital Scholar Lab" in *Digital Scholarship, Digital Classrooms: New International Perspectives on Research and Teaching*, Farmington Hills, MI: Gale, 2020

まとめ

- 一次資料のデジタル化が可能にする新たな研究
 - 〈検索⇒閲読〉〈収集⇒分析〉の2つの異なるワークフロー
- 3つのステップに沿った使いやすくも本格的なプラットフォーム
 - コーパスの構築からクリーニング、分析までをすべてクラウドベースで
- 一部の限られた研究者から、より幅広い層へ広がる可能性
 - デジタル時代の人文学教育に大きな示唆



ご清聴ありがとうございました。

GaleJapan@cengage.com