The Academic Trends and Open Access 學術發展趨勢與開放獲取

Nov 2019





The Academic Trends and Open Access 學術發展趨勢與開放獲取

Nov 14, 2019



Agenda 日程

- Academic Trends學術發展趨勢
- Open Access via ProQuest 開放獲取

Our environment rapidly evolves

學術環境不斷快速演變

Steep increase of the amount material available 快速增長的文獻選擇

Increased influence of social media and consumer platforms on user perception

社媒與消費者服務平臺 的持續發展給讀者使用 行為帶來影響

Increased focus on data mining, data science 更加關注數據挖掘、數據科學

Library圖書館
Users讀者
Content內容
Technology技術

Institutional Focus on Student Success

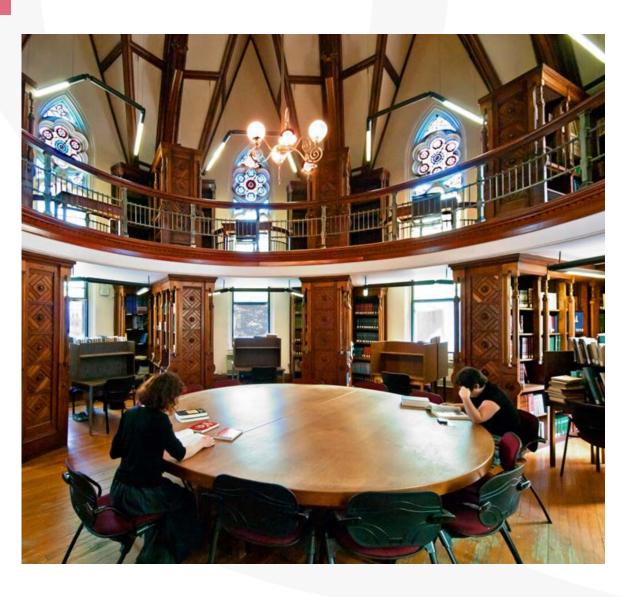
學生成就是學術機構 信息服務的核心

More diverse material types 來源多樣的文獻類型

> Open access 開放獲取

Better technologies – more processing power 先進技術、强大的處理能力

Library Challenges 圖書館面臨的挑戰



Support faculty research and teaching outcomes



爲研究與教學提供支持



Drive student success

促進學生取得優异成績



Help the library strike the balance between budget realities and desired access models 平衡經費與讀者資源需求之間的矛盾



Provide unique content

提供獨特性的內容



Transform the library

驅動圖書館變革



Increase efficiencies in library and research workflows

提升圖書館服務與科研效率

ProQuest Solutions for research, teaching & learning in response to library and user challenges 提供解决圖書館與讀者難題的PQ方案

Content, Models, Services





ProQuest SAFE





Dissertations Publishing



- Access-to-Own
- Access & Build
- Title Matching



Audio/Visual digitization projects

Workflow Solutions for Researchers & Libraries



ProQuest Platform





Summon

Primo





Teaching, Research, & Learning Workflows



Teaching & Learning Services



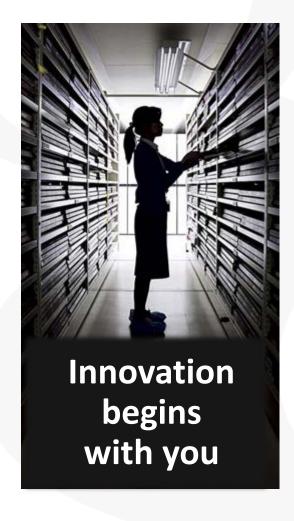




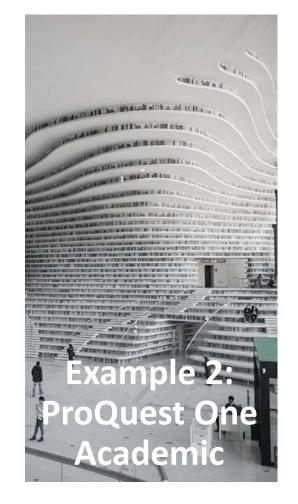


Varied Content? Exploring user needs at ProQuest

提供多元化的資源,有效滿足教學科研所需的各類信息需求







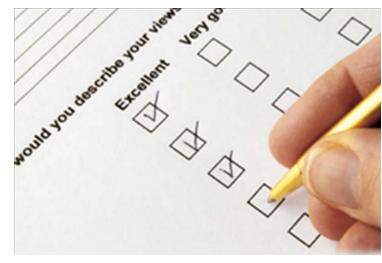
Survey the Community 全球大學學術社群調研報告

Quantitative Global Data from librarians, faculty and students on their research and teaching needs

面向世界各地圖書館館員、教師、學生,搜集有關教學與研究所需的各類信息資源需求













Our survey – key stats

基于全球1353份調查問卷獲得的重要資料

1353 responses to survey distributed by email and social March-April
 2018

Global	Highest responses from: North America (358), Continental Europe (174), ANZ (138), East Asia (99)
Faculty and Students	Specific demographic data collected: Tenured Faculty (659), Pre-tenure faculty/lecturer (243), Students (188), other (61)
Subjects	Fields of study included: Social Sciences (732), Humanities (569), STEM (204), other (181)* * Some respondents selected multiple disciplines

Provides context to complement 2014 and 2017 research

Faculty want students to use a wide mix of content types 教師建議學生運用來源多樣的文獻

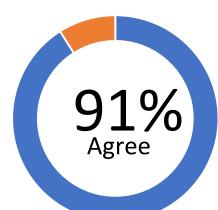
"Using a wide variety of different types of information allows students to..."



Understand concepts and ideas more fully 更充分地理解概念和 思想

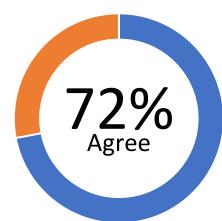


Conduct a more thorough literature review 撰寫全面的文獻 綜述



Produce better quality assignments

完成高質量的習作



Achieve a better grade on their course

取得優异的成績

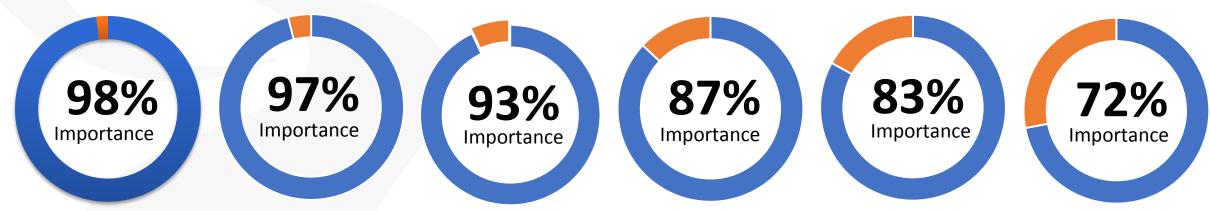


Faculty Survey: Faculty Assign Primary Sources to Build Student Critical Thinking and other Key Skills

教師問卷:教師認爲原始檔案有利于學生批判性思維及其他核心學生

素養的習得

"Importance of assigning primary sources to students because..."



Develop critical thinking skills 培養批判 性思維能力

Provide greater understanding of the topic being studied 加深對研究課題 的理解

Allow students to work with original sources 使學生能够熟練 運用 原始資料

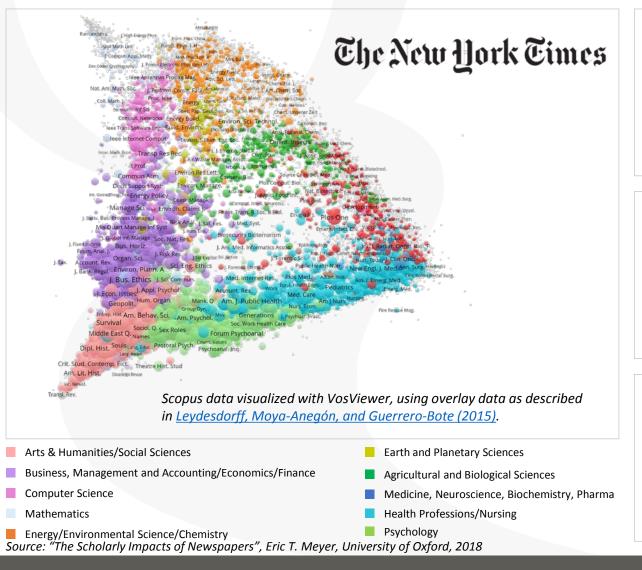
Allow students to come to their own conclusions 使學生能够基于 原始資料調研結 果,總結出自己 的初步結論

Develop a grounding in history to better question interpretations made in secondary sources 基于一、二手數 在此基礎, 研讀二 手資料,發現問題, 提出問題

Drive Impact and Outcomes in the Classroom 使學生能够 據的調研, 得出 自己的最後結論

Impacts of Newspapers across Academic Disciplines, 2000-2017

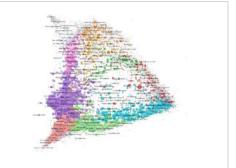
報刊文獻涉及多學科領域



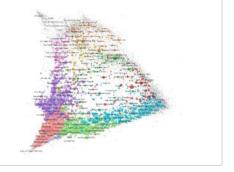
theguardian



THE WALL STREET JOURNAL.

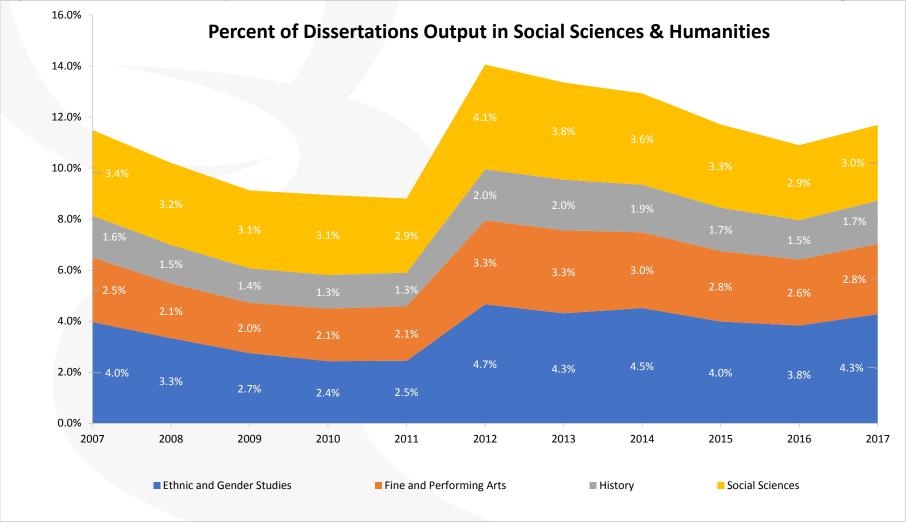


The Washington Post



Subject Trends in Dissertation Output

學位論文所反映出的熱點主題與前沿趨勢



Key Growth in these dissertation subject areas:

- African American/Black
 Studies
- Gender/Women's Studies
- Hispanic American Studies
- Sociology, Public & Social Trends
- Political Science, International Relations
- Criminology (related to Homeland Security)
- Performing Arts
- Music

Source: Chart shows percent of dissertation output by subject area according to ProQuest's Dissertations & Theses Global product

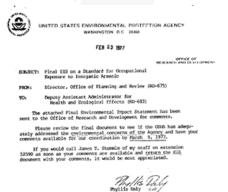
History Vault: Interdisciplinary Subjects, including...

珍貴第一手史料涵蓋交叉學科內容

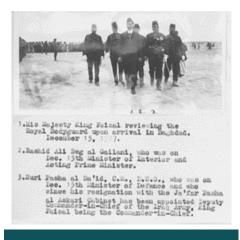
Howard ...

The first morning horn is blown an how before day light. All works hands are required to cree operfrave their evoking, to for the day light, when it is the daily of the driver to vielt every home. were that all have left for the field. The plans hands leave their houses for the stables , at the economic of the flow driver, 15 minutes earlier them the gang, the Overceir opening the stable down to them. At 11/4.

If the plan hands repair to the marrest weather house. At 12 M. the gang step to eat diviner. At 10. M. though the greater part of the year, all hands return









History

Papers as President, Master Speech File SECOND EMPORMAL ASSESSES OF THE PRESIDENC PROM THE STREE OF THE CAPTIOL

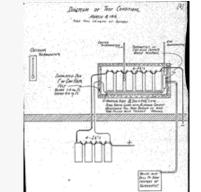
January 20, 193

MAX ANTTOM-COMMERSHER

Then four pures ago we set to immugurde a frestdeem, the Republic, single-extended in analyst, etcod in spirit here. We deficated oversizes to the fulfillment of a vision — to speed the time when there would be for all the people that security and peace assential to the pursuit of hoppiness. We of the Sepublic plaqued oversizes to drive from the tengin of our analest faith those who had graphed til to end by action, tirrless and wanfuld, the stapantion and despair of that day.

We did those first things first.

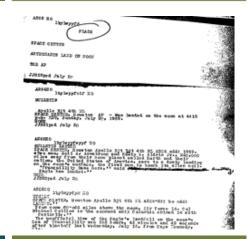
Our coresent With ourselves did not stop there, intrinstructure are recognised a deeper sood — the need to fine through government the instrument of our matted purpose to solve for the individual the ever-tizing problems of a cough citalization. Repeated attempts at their solution without the sold of government had left us befried and bestlessed. For, without that side, we had been useful to sweate those source controls over the services of extense which are seeneary to make selecte a until servent instead of a ruthless any to make selecte a until servent instead of a ruthless



Environmental Studies

Historical Sci-Tech

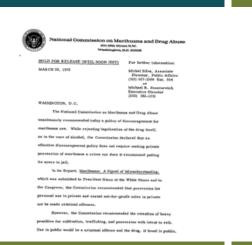
Sociology



Journalism

International Relations

Black Studies



Science Women's Studies

Political Science

women's Studies

Early European Books – Five National Library Partners

早期歐洲圖書館數據庫 - 五大歐洲國家圖書館收藏





MOST Humanities & Social Science Research Resources 全國學術版人文及社會科學資料庫 (HUSO)



PAO(PERIODICALS ARCHIVE ONLINE) 7-10

EARLY ENGLISH BOOKS ONLINE (EEBO) 早期英語文獻線上資料庫,收錄許多珍貴的原書圖像資料

EARLY EUROPEAN BOOKS

歐洲早期經典文獻庫

與歐洲各大圖書館合作,將1450年代歐洲印刷術興起到1700年間的歐洲書籍,不分語言,以全彩高解析度的影像加以數位化,主要以非英語之內容為主,可與國科會全國學術版之EARLY ENGLISH BOOKS ONLINE (EEBO)相輔相成,是深入研究這個關鍵時代,不可或缺的珍貴資源。



ProQuest's Primary Source Collections



of faculty believe it is extremely important to assign primary sources to students to develop critical thinking skills

200k

average pageviews per month of Early English Books Online in 2015

95%

of librarians believe that they help students develop research, critical analysis and information literacy skills

93%

of employers say critical thinking, clear communication and the ability to solve complex problems is more important than a student's undergraduate major

60%

of undergraduates have poor skills related to locating and evaluation scholarly information

Second to None!

230M+

pages of world-class collections

400+

years of historical coverage

50+

newspapers covering over 350 years

2,000+

years of history including the largest collection of historical periodicals

*Selected ProQuest Historical Periodicals analyzed



of Humanities
Upper Division faculty
assign primary source materials
in their teaching

357

Number of subject areas covered by publications that cite historical periodicals*

40%

of Humanities dissertations and theses reference newspapers

14%

of all dissertations in PQDT Global cite content from historical periodicals*

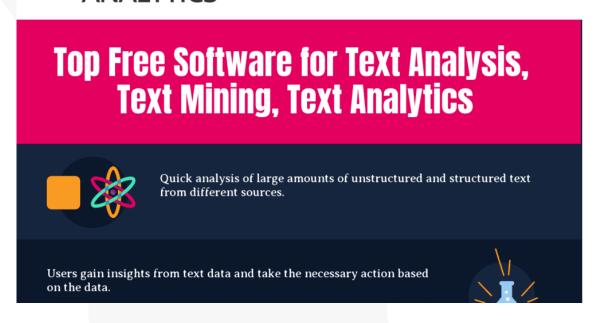
10

average number of different primary sources used by Humanities faculty in research

Developing Text Data Mining

文本挖掘研發

TOP 27 FREE SOFTWARE FOR TEXT ANALYSIS, TEXT MINING, TEXT ANALYTICS



https://www.predictiveanalyticstoday.com/top-free-software-for-text-analysis-text-mining-text-analytics/

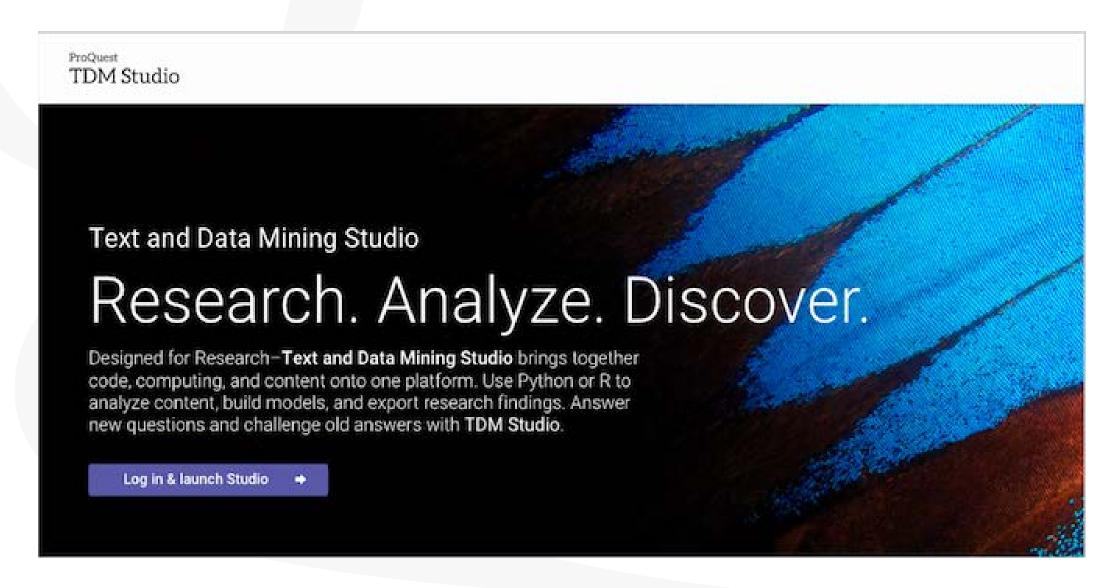


4 Easiest-to-Use Free and Open Source Text Analysis Software

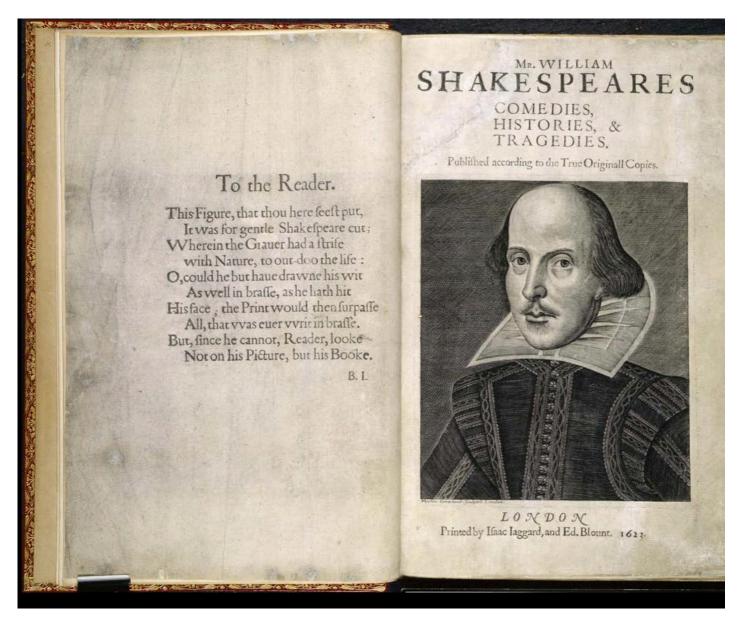


https://www.softwareadvice.com/resources/easiest-to-use-free-and-open-source-text-analysis-software/

ProQuest TDM Studio Landing Page - Draft Design ProQuest文本挖掘開發平臺 - 初步設計方案

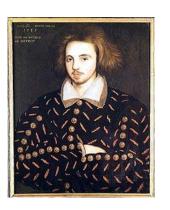


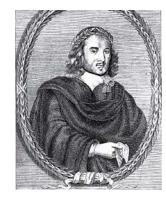
Shakespeare's Collaborators?



Research Question: Did Shakespeare write all of his plays himself or did he work with a series of collaborators?







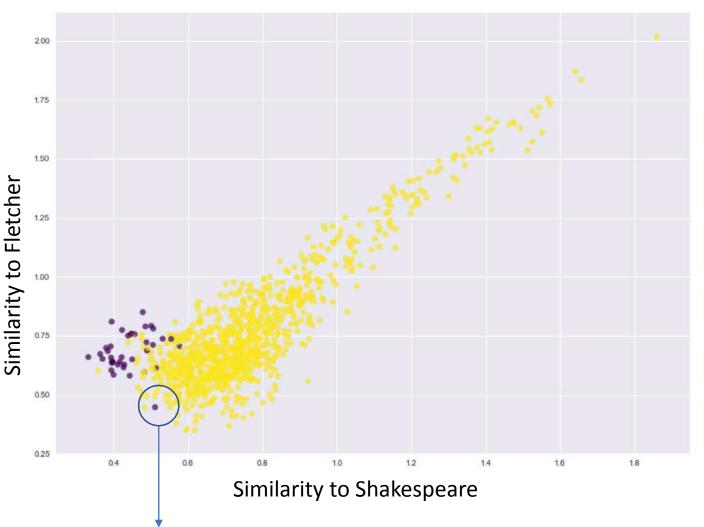
John Fletcher Christopher Thomas

Marlow Middleton



Results

Analysis of 1000 Dramatic Works in Relation to Shakespeare and Fletcher

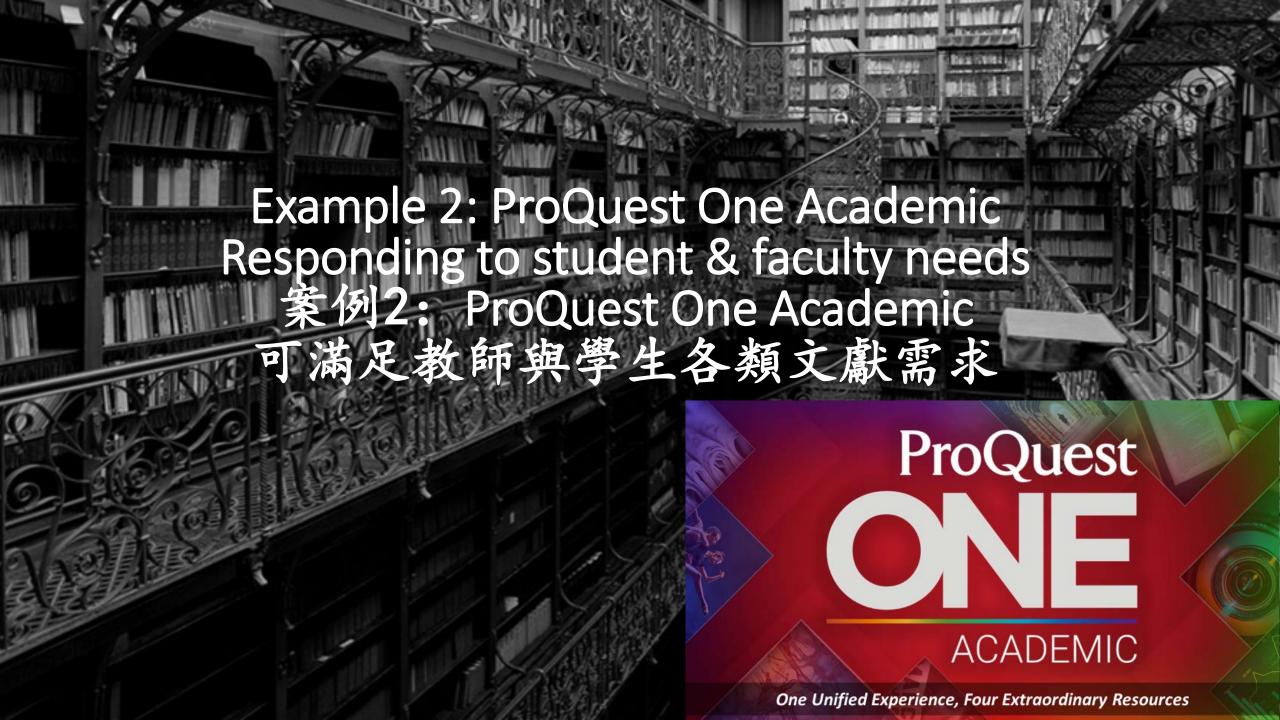


'Shakespeare's solo authorship of certain plays remains in question' -- https://www.thejournal.ie/readme/column-shakespeares-solo-authorship-of-certain-plays-remains-in-question-3357893-May2017/

"It is now fairly well established that Shakespeare worked collaboratively on certain of his plays, most notably at the beginning and end of his career."

The Two Noble Kinsmen looks like it was a collaboration between Shakespeare and Fletcher

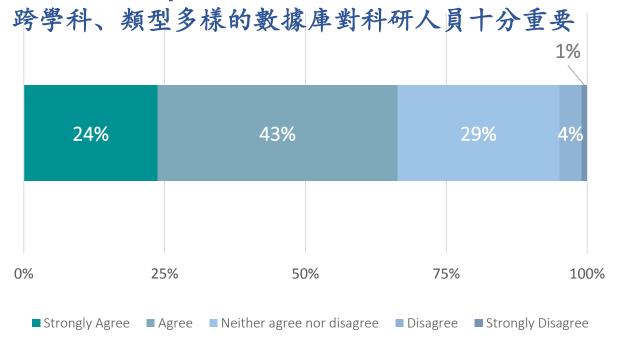
Burrows, J., 2002. 'Delta': a measure of stylistic difference and a guide to likely authorship. *Literary and linguistic computing*, *17*(3), pp.267-287.



Are discipline based products needed?

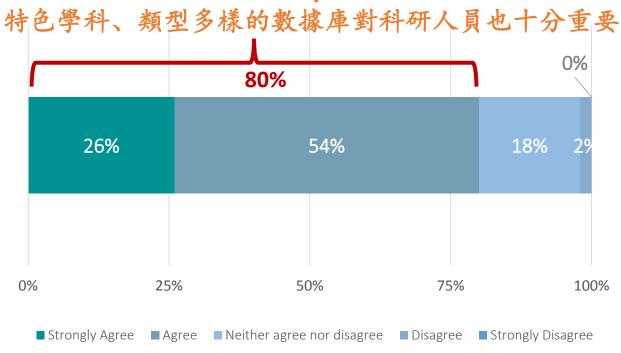
基于學科的用戶信息需求

Multidisciplinary, multi-format databases are important to researchers



How strongly do you agree or disagree with the following statement: Access to multidisciplinary, multi-format research database would help library users to discover and use the most relevant and reliable content.

Discipline-specific, multi-format databases are also important



How strongly do you agree or disagree with the following statement: Access to a discipline specific, multi-format research database would help library users to discover and use the most relevant and reliable content.



Faculty believe that varied content is essential to student success









Achieve a better grade on their course

Produce better quality assignments

Conduct more thorough lit. reviews

Understand concepts and ideas more fully

All Users Work With a Variety Of Content Types in Research, Teaching and Learning

多源資源可滿足各類用戶教學與研究的信息需求

Faculty Use for Research		
1	Scholarly Journals	
2	Books (print)	
3	Dissertations or Theses	
4	Books (electronic)	
5	Conference Proceedings	
6	Government Documents	
7	Statistics	
8	Historical Books	
9	Working Papers	
10	Historical Periodicals	

Faculty Recommend in Teaching		
1	Scholarly Journals	
2	Books (print)	
3	Books (electronic)	
4	Dissertations or Theses	
5	Case Studies	
6	Government Documents	
7	Videos	
8	Statistics	
9	Historical Books	
10	Conference Proceedings	

Students Use		
1	Books (electronic)	
2	Scholarly Journals	
3	Books (print)	
4	Dissertations or Theses	
5	Case studies	
6	Statistics	
7	Government Documents	
8	Working Papers	
9	News & Newspapers (current)	
10	Conference Proceedings	

Source: 2018 ProQuest Faculty & Student Survey (N=1,353)

What Does It All Mean?

信息資源需求趨勢

- Varied content types are in demand by faculty, students and researchers
- 教師、學生與科研人員需要來源多樣的資源
 - They use many different types of content, in both research, teaching and completing assignments
 - 不同類型的文獻, 可為他們的研究、教育與學習提供支撑
- This trend continues to grow as more content types become available (growth of video, data, conference and working papers, social media data etc.)
- 讀者可利用來源多樣的資源是當前的趨勢,且數據持續增加,例如:視頻、數據、會議論文、研究手稿與社媒數據等
- Having a variety of content types available positively impacts the research process!
- 提供來源多樣的資源有利于優化科研流程

Librarian challenges resolved by ProQuest One Academic ProQuest One Academic 使圖書館可滿足讀者各類資源需求



Varied Content

多元化的內容

Scholarly journals, full-text dissertations, books, video, news, conference and working papers, market research reports, case studies, company profiles, and more



Unified Experience

統一的讀者體驗

Empower users to seamlessly cross-search all of the formats and disciplines they need to address their research question or assignment.



Administrative Ease

便捷高效的管理

Reclaim staff time and simplify your library workflow to make patron and librarian experiences more meaningful

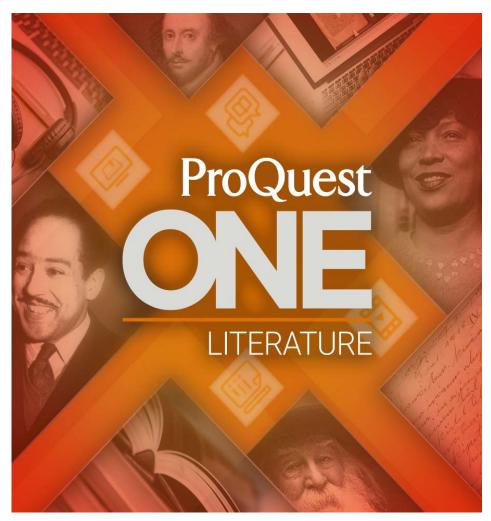


Value

資源性價比高

Get affordable access to ProQuest's largest and most-used multidisciplinary collections, ProQuest Central, PQDT Global, Academic Video Online, Academic Complete

ProQuest One Literature—New Collection!



ProQuest One Literature is *the* destination for all aspects of literature research, teaching and learning—providing the best tools and content available in the market to support today's study of literature

一站式訪問外國文學科研、教學所需的資源,是當今科研人員外國文學研究的絕佳工具。







Launching late October

ProQuest One Literature

The destination for all aspects of literature research, teaching and learning—providing the best tools and content available in the market to support today's study of literature

一站式訪問外國文學科研、教學所需的資源,是當今科研人員外國文學研究的絕佳工具。



Of the community, for the community 源自社群,服務于社群



Diversity of authors & works 涵蓋不同時期、不同流派的作家及其著作



Varied content & discipline experience 多源化的內容、特色學科資源

ProQuest One Literature: A Collaboratory Endeavor

利益相關方共同參與以解决外國文學研究中遇到的複雜問題



Create an open space and creative process where we collaborate to generate solutions to complex problems

Advisory board:

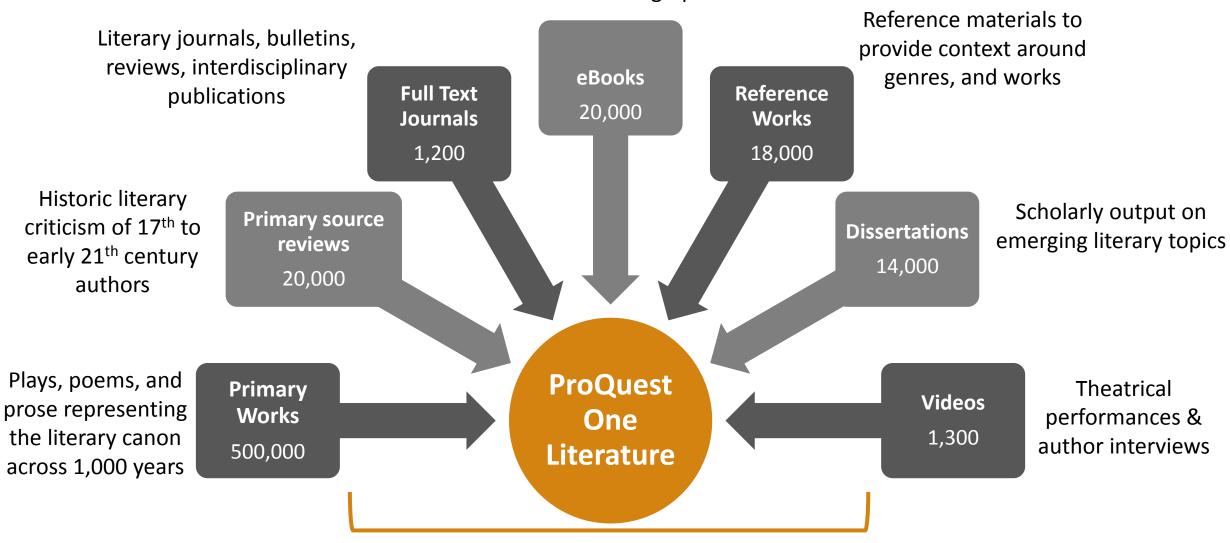
- Focused on content strategy
- Faculty expertise in literary genres & periods (e.g. African American, Women Writers, Latinx Literature, etc.)

Early adopters:

- Roadmap development: workflow tools and integration
- Content strategy: syllabus and reading list; specialist expertise
- Test early versions and prototypes
- Participate in deep dives on content, technology, workflows
- Special early access for LION Premium customers
- Feedback on experience, enhancements, content

Product Overview 產品概况

In-depth critical analysis of primary works & author biographies

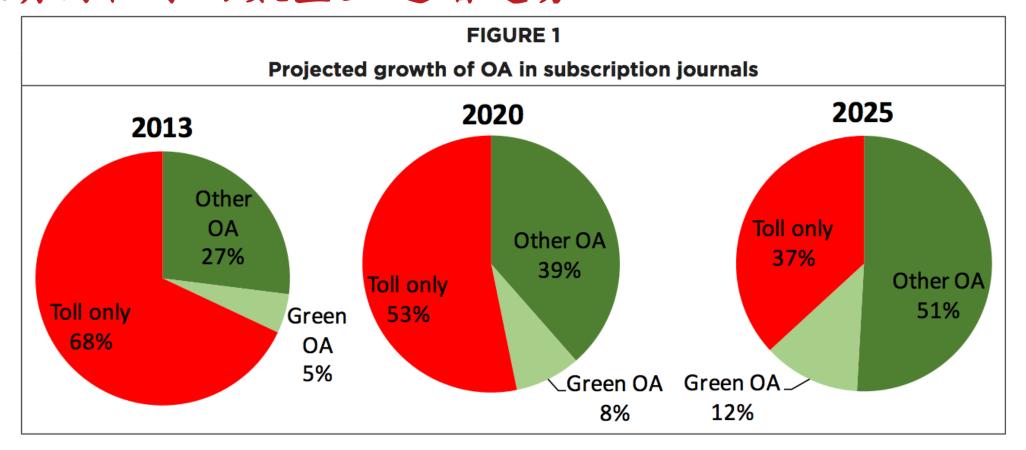


Discipline Experience: Authors, Movements, Works



Open Access via ProQuest ProQuest開放獲取資源

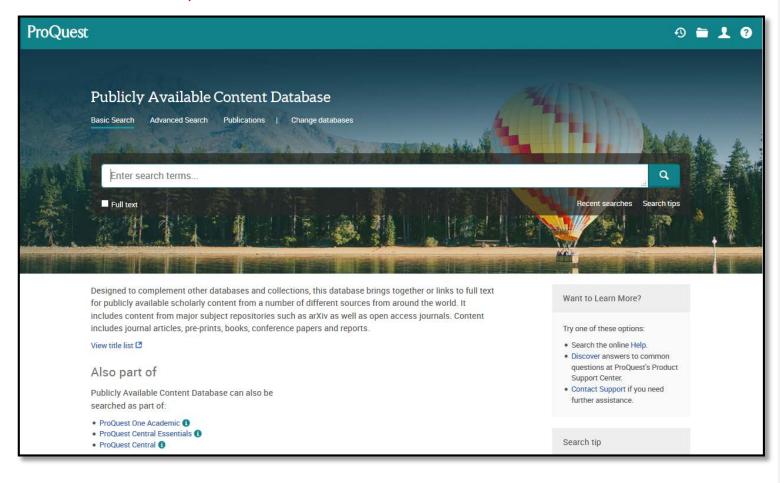
Projected Growth of OA in Subscription Journals OA期刊收錄的數量呈遞增趨勢



Leveraging the Growth of Open Access in Library Collection Decision Making Kristin Antelman http://bit.ly/2EWRGNV ACRL 2017

Publicly Available Content (PAC) Product

0A數據庫

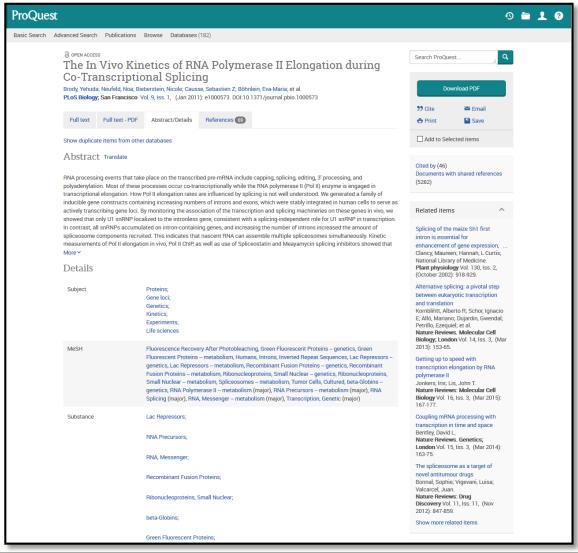


Made 'Publicly Available
Content Database' available to
ProQuest users

- ~1,000 publishers
- More than 3,000 publications
- Over 80 countries represented
- Articles in +40 languages

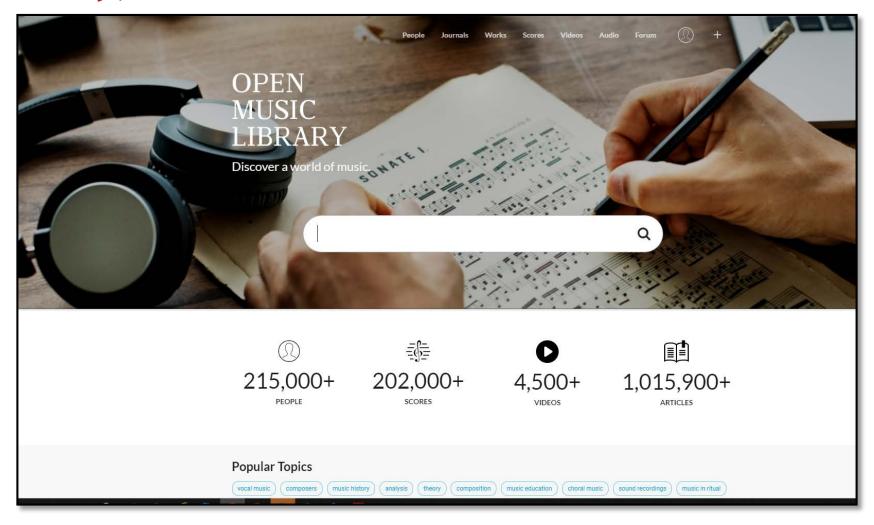
Curating and Enhancing Open Access

OA資源訪問、獲取優化設計



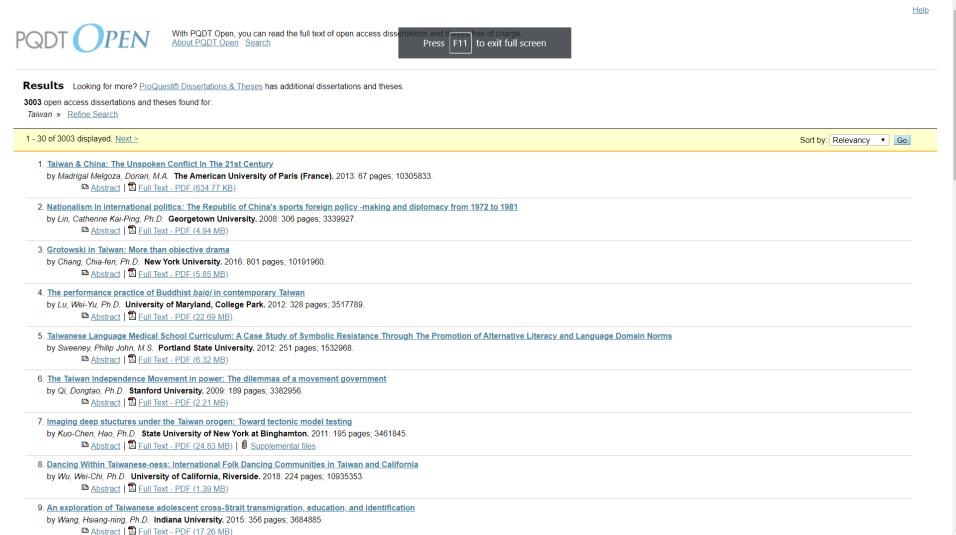
- Direct/native access to the full text
- Enhanced with additional metadata (e.g. MESH terms, subject metadata, etc.)
- 'Related items' recommendations
- Addition of 'Cited by' counts and identification of documents with similar references
- Interactive 'References' page with direct links to content for those references (when available)
- Ability to translate abstract/article into ~20 languages
- Ability to convert the text to speech 'listen to the article being read', including the option to download the audio file in MP3 format for off-line listening (when possible)
- Cite/Email/Print or Save in +10 different formats

Open Music Library OA音樂主題資源



PQDT Open

開放獲取的博碩士學位論文資源



What will be the next possibility in Discovery?

- •A & I (Abstracts & Indexes)
- •A I (Artificial Intelligence)

Thank you!