

Implementing “Find Articles”: A low-altitude view of metasearching

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Implementation decision points 1

- Positioning the metasearch service to promote its use
- Configuring the interface and retrieval-set limits to optimize performance
- Establishing Z39.50 connections to enable similar searches
- Configuring the search-results screen to normalize heterogeneous data

Implementation decision points 2

- Configuring the single-record screen to feature reference linking
- Parsing A&I-vendor metadata to maximize OpenURL connections
- Interpreting user transactions to improve performance

History of CUL gateways

- Mann Library Gateway (1991)
- Cornell University Library Gateway (1998)
- E-Reference Collection (2001)
- Find Articles/Find Databases/Find e-Journals (2003-)

Service enhancements

Existing functions

- Search gateway metadata
- Go to database from search results
- Browse by subject
- Navigate to other CUL resources
- Authenticate users for restricted resources

Added features

- Search at article level
- Simultaneous search across multiple databases
- Reference linking
- Search for all e-journal titles






Browse/Search Resources

Suggest a Resource

Search For As Records per Page

|

☐ Include Library Catalog In Search?

Expand/Collapse	Select	Description
<input type="checkbox"/>	<input type="checkbox"/>	A Direct Searching Collection
<input type="checkbox"/>	<input type="checkbox"/>	All of E-Reference A to Z 
<input type="checkbox"/>	<input type="checkbox"/>	Arts and Humanities 
<input type="checkbox"/>	<input type="checkbox"/>	General Interest and Reference 
<input type="checkbox"/>	<input type="checkbox"/>	Science and Technology 
<input type="checkbox"/>	<input type="checkbox"/>	Social Sciences 

We tried to put metasearching in a single interface with existing database-metadata search and browse functions

Gateway to CORNELL UNIVERSITY LIBRARY

[Find
Articles](#)[Find
Databases](#)[Find
e-Journals](#)[ASK A LIBRARIAN](#)
email | chat | phone

Search for indexes and other reference resources in your subject area

[Library Gateway](#)[Help](#)

Find Databases has replaced the e-Reference Collection

The e-Reference Collection has migrated to a new system, Find Articles/Find Databases. Find Databases (this page) functions in a similar fashion to the e-Reference Collection, while [Find Articles](#) incorporates new functionality.

☒ Keyword(s)[Search](#)☐ Phrase[Search Tips](#)

When searching on this page, use general rather than specific words (e.g., "philosophy" instead of "plato") in order to identify and connect to online reference resources and periodical indexes such as Agricola, Proquest, or the MLA Bibliography.

[Numbers](#) | [A-B](#) | [C-D](#) | [E-F](#) | [G-H](#) | [I-J](#) | [K-L](#) | [M-N](#) | [O-P](#) | [Q-R](#) | [S-T](#) | [U-V](#) | [W-X](#) | [Y-Z](#)

General Interest and Reference

[Almanacs, Dictionaries and
Encyclopedias](#)
[Biographies](#)
[Directories](#)
[Grants and Foundations](#)
[Greatest Hits](#)

Arts and Humanities

[Art and Architecture](#)
[History](#)

[Library Catalogs](#)
[Newspapers, Magazines and Current
Events](#)
[Publishers Catalogs](#)
[Statistical Information](#)

[Music](#)
[Philosophy and Religion](#)

We settled on a 3-tab, 3-service structure

Gateway to
CORNELL UNIVERSITY LIBRARY

Find Articles **Find Databases** **Find e-Journals** **ASK A LIBRARIAN**
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Simultaneous searching for articles in selected databases

Library Gateway Help

Keyword(s):

[Search Tips](#)

Searches will return up to 50 hits from selected databases. For a more complete list and advanced search capabilities, start with [Find Databases](#).

General

- ☐ ArticleFirst (1990-) [[more info](#)]
- ☐ Encyclopaedia Britannica online [[more info](#)]
- ☐ OCLC electronic collections online [[more info](#)]
- ☐ ProQuest: ABI/Inform and Periodical Abstracts (1999-) [[more info](#)]

Arts & Humanities

- ☐ Art full text [[more info](#)]
- ☒ Art index retrospective [[more info](#)]
- ☐ ArticleFirst (1990-) [[more info](#)]
- ☐ Avery index to architectural periodicals (1930-) [[more info](#)]
- ☐ Dissertation abstracts online (1861-) [[more info](#)]
- ☐ Linguistics and language behavior abstracts : LLBA (1973-) [[more info](#)]
- ☒ MLA bibliography (1963-) [[more info](#)]
- ☐ Philosopher's index (1940-) [[more info](#)]
- ☐ ProQuest: ABI/Inform and Periodical Abstracts (1999-) [[more info](#)]

“Find Articles” became the metasearch service

Z39.50 connection parameters

- “Keyword” use attributes varied: 1016 (OCLC, ProQuest, RLG, WebSPIRS); 1017 (RLG); 1035 (EBSCO, Wilson); 4 (EBO—title only)
- Structure attributes were tricky: phrase (Wilson); unspecified (EBSCO, PQ); word list (EBO, OCLC, RLG, WebSPIRS)

Gateway to CORNELL UNIVERSITY LIBRARY

Find
Articles

Find
Databases

Find
e-Journals

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Simultaneous searching for articles in selected databases

Library Gateway

New Search

Help

You searched for **neorealist film**
No Previous Hits | [Next 50 hits](#)

Title: [A Touch of the Neorealist: An Interview with David Gordon Green](#)

Author(s): Lucia, Cynthia

Source: *Cineaste: America's Leading Magazine on the Art and Politics of the Cinema*, 26, no. 4 (2001 Fall): p. 13-17

Document Type: journal article

[From MLA bibliography (OCLC Web : 1963-)]

Title: [Actor-Become-Auteur: The Neorealist Films of Vittorio De Sica](#)

Author(s): Cardullo, Bert

Source: *Massachusetts Review: A Quarterly of Literature, the Arts and Public Affairs*, 41, no. 2 (2000 Summer): p. 173-92

Document Type: journal article

[From MLA bibliography (OCLC Web : 1963-)]

Title: [Alfred Hitchcock {reissued films}](#)

Source: *Films & Filming* no. 351 (December 1983) p. 18-21

[From Art index retrospective]

We normalized heterogeneous search results

Search results XML 1

<B1>A Touch of the Neorealist: An Interview with David Gordon Green</B1>

<B2>Lucia, Cynthia</B2>

<B5>0009-7004(200123)26:4<13:ATOTNA>2.0.TX;2-V</B5>

<B5>2001360916</B5>

<B5>26</B5>

<B5>0009-7004</B5>

<B5>4</B5>

<B5>13</B5>

<B5>20010998</B5>

<B5>13-17</B5>

<B5>Cineaste</B5>

<B6>Cineaste: America's Leading Magazine on the Art and Politics of the Cinema</B6>

<B6>26, no. 4 (2001 Fall): p. 13-17</B6>

<B8>journal article</B8>

<DBC>MLABIB</DBC>

<DBN>MLA Bibliography</DBN>

Search results XML 2

<B1>A touch of the neorealist: an interview with David Gordon Green</B1>
<B2>Lucia, Cynthia</B2>
<B4>George Washington is the first feature film by David Gordon Green.
Green claims to be influenced by American filmmakers of the 1970s, but
his film has much in common with Italian Neorealist and contemporary
Iranian filmmakers, in terms of such elements as its </B4>
<B5>0009-7004</B5>
<B5>Cineaste\$bCineaste\$c26\$d4\$fFall\$gFall\$h23\$j2001\$k13\$l17</B5>
<B6>Cineaste v. 26 no. 4 (Fall 2001) p. 13-17</B6>
<DBC>ARTFULL</DBC>
<DBN>Art Full Text</DBN>

Gateway to CORNELL UNIVERSITY LIBRARY

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Databases](#)[Find
e-Journals](#)[ASK A LIBRARIAN](#)
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Simultaneous searching for articles in selected databases

[Library Gateway](#)[Go Back](#)[New Search](#)[Help](#)[Next](#)

Title: A Touch of the Neorealist: An Interview with David Gordon Green
Author/Creator: Lucia, Cynthia
Source: **Cineaste: America's Leading Magazine on the Art and Politics of the Cinema**, 26, no. 4 (2001 Fall): p. 13-17
Subject(s): dramatic arts --film --interview --with Green, David Gordon --
Language: English
Document Type: journal article

[Find it at
Cornell](#)

Search [MLA
bibliography
\(OCLC Web
: 1963- \)](#)
Directly

[*](#)

Single-record display with OpenURL link

Find It At Cornell

Offers searches of library catalog for electronic and print journals and books. Links to online full text when available.

[Help](#)

Citation Information

[Edit Citation](#)

Article Title: A Touch of the Neorealist: An Interview with David Gordon Green

Source: Cineaste: America's Leading Magazine on the Art and Politics of the Cinema (0009-7004); Volume: 26; Issue: 4; Date: 2001

Cornell University Online Catalog

[Find this Journal at Cornell \(by ISSN\)](#)

[Find this Journal at Cornell \(by Title\)](#)

Links to Full Text, Abstracts, Journals, etc.

article [Periodical Abstracts Research II](#)

“Find It At Cornell” display

Z39.50 citation metadata used to build the OpenURL

<MR773t>Cineaste: America's Leading Magazine on the Art and
Politics of the Cinema</MR773t>

<MR773p>Cineaste</MR773p>

<MR773g>26, no. 4 (2001 Fall): p. 13-17</MR773g>

<MR773x>0009-7004</MR773x>

<MR949a>26</MR949a>

<MR949b>4</MR949b>

<MR949c>13-17</MR949c>

<MR949e>2001 Fall</MR949e>

<MR949f>13</MR949f>

<MR949g>20010998</MR949g>

Common OpenURL elements

- **aulast** -- first author's last name
- **issn** -- ISSN number
- **title** -- title of a bundle (journal)
- **atitle** -- title of an individual item (article)
- **volume** -- volume of a bundle
- **issue** -- issue of a bundle
- **spage** -- start page of an item in a bundle
- **date** -- publication date of the item or bundle

Resulting OpenURL

<http://128.84.158.87:8888/lfp/LinkFinderPlus/Display?&aulast=Lucia&atitle=A+Touch+of+the+Neorealist%3A+An+Interview+with+David+Gordon+Green&title=Cineaste%3A+America%27s+Leading+Magazine+on+the+Art+and+Politics+of+the+Cinema&volume=26&issn=0009-7004&issue=4&spage=13&date=2001&pages=13-17&stitle=Cineaste>

Compare this citation metadata to the previous

<MR773t>Journal-of-the-Acoustical-Society-of-
America; 1995, 97, 4, Apr, 2511-2524.</MR773t>

<MR773t>Cadernos-de-Lingua; 2001, 1(23), 53-
67.</MR773t>

Another variable: OpenURL requirements of target site

 Basic Search

 Advanced Search

 Topic Guide

 Publication Search

Marked List : 0 articles

Databases selected: PA Research II, ABI/INFORM Global, MarketResearch.com Academic

Results

- 1 article found for: *issn(0009-7004)and volume(26)and issue(4)and startpage(13)*

Magazines

☐ Mark / [Clear](#) all on page | [View marked articles](#)  [Full text articles only](#)

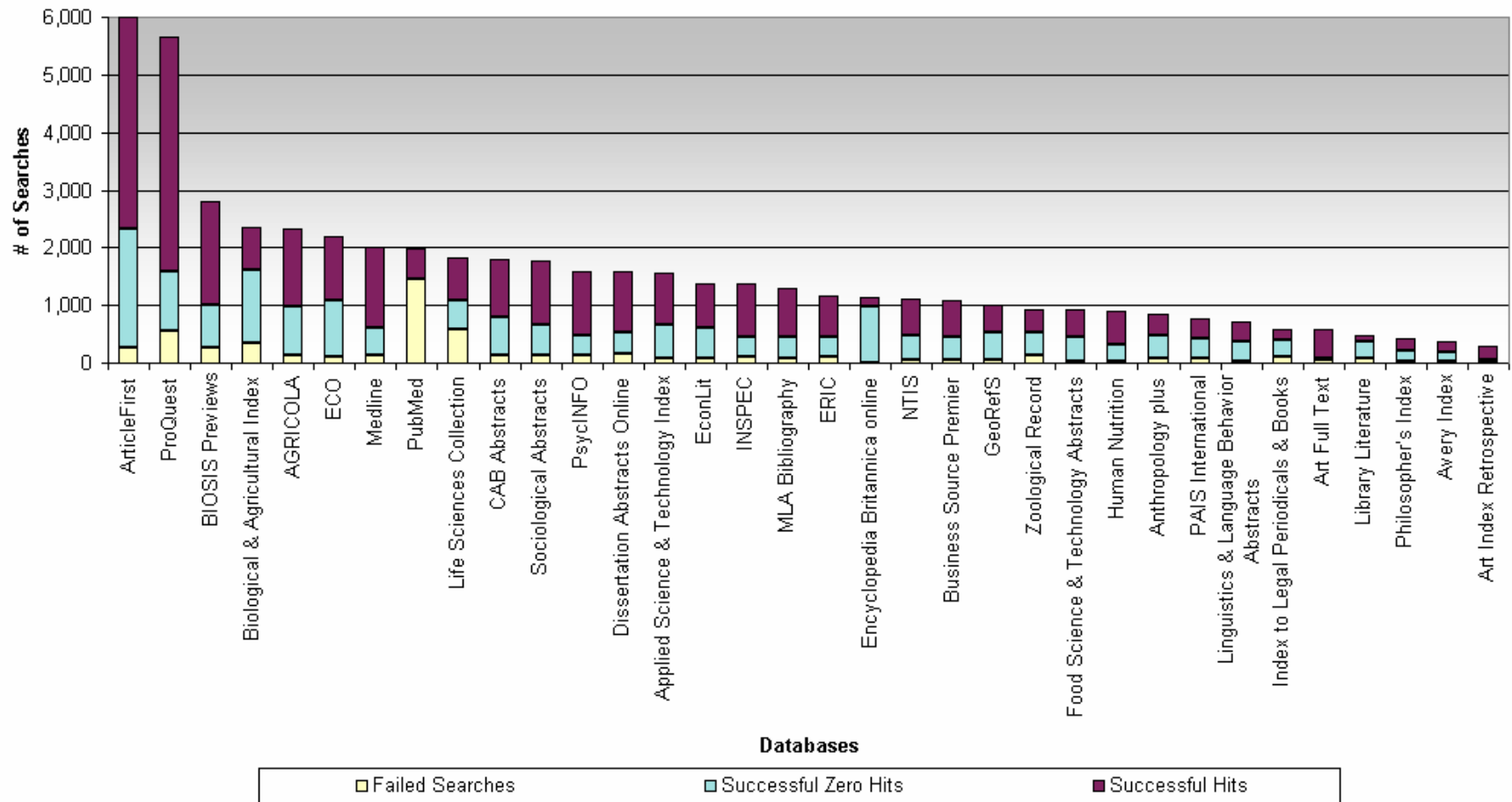
☐ 1. [A touch of the neorealist: An interview with David Gordon Green](#)
Cynthia Lucia. **Cineaste**. New York: Fall 2001. Vol. 26, Iss. 4; p. 13 (5 pages)
 [Text+Graphics](#)  [Page Image - PDF](#)

1-1 of 1

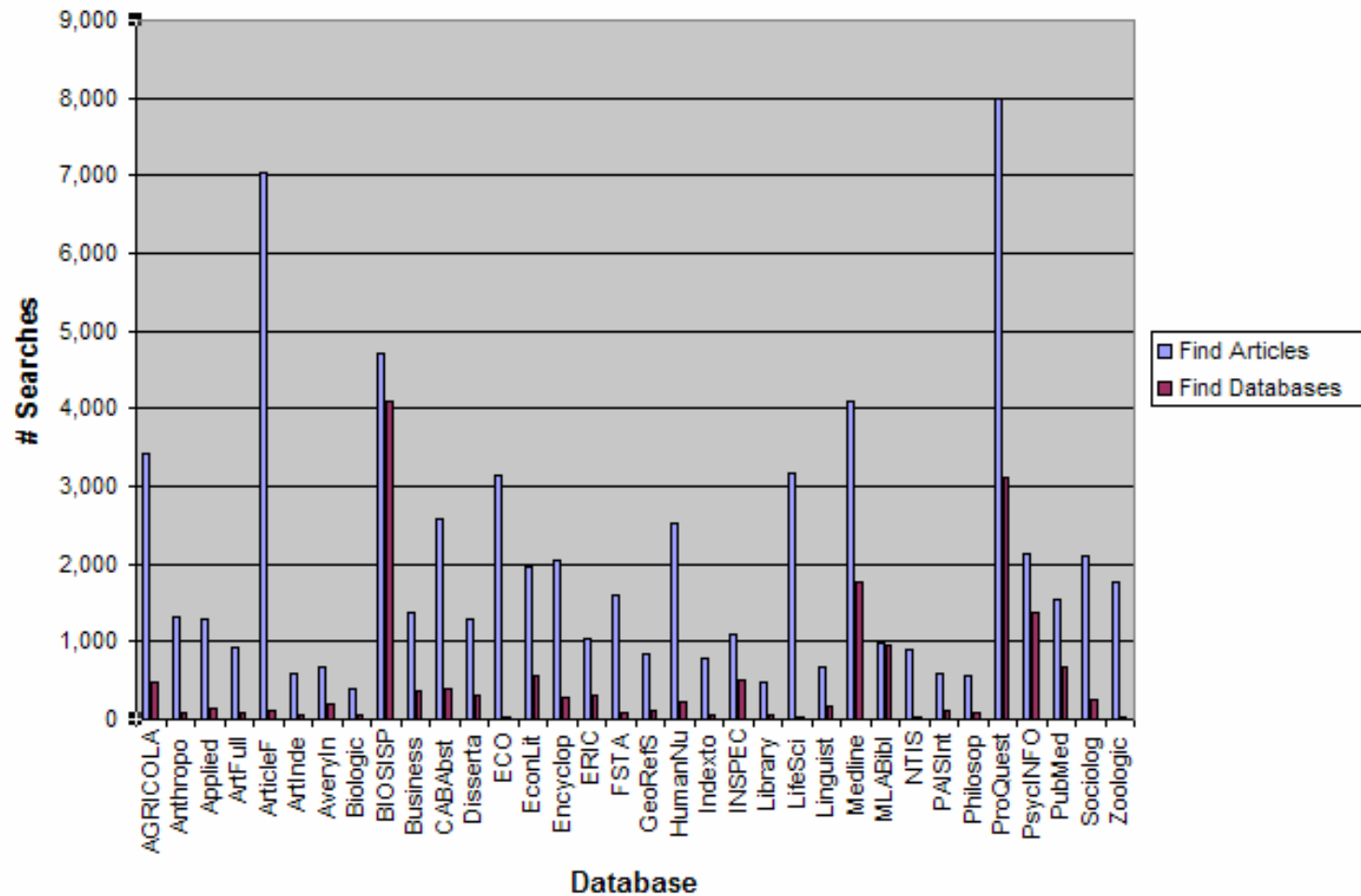
Sources of OpenURL connection failures

- Lack of granularity in A&I vendor metadata
- Ambiguous captioning in citations
- Variation in citation practice over time
- Journal-by-journal variation in citation elements
- Mismatch between citation metadata and target site requirements

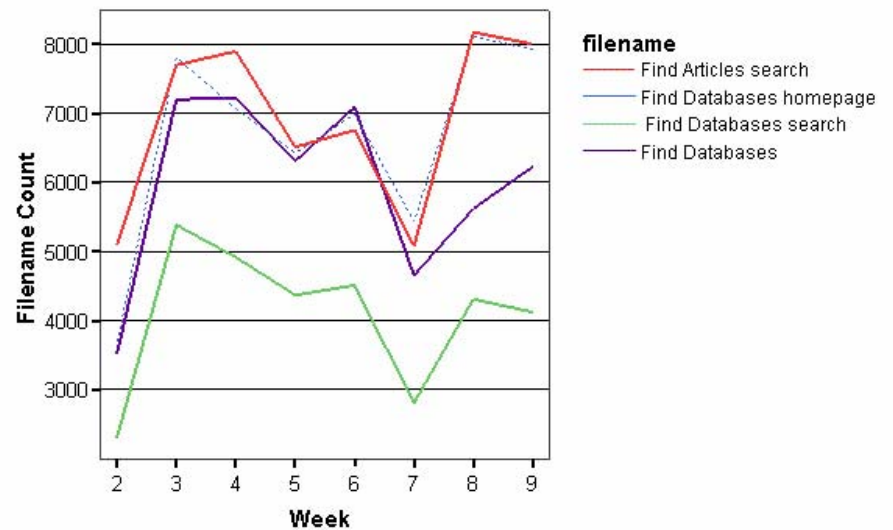
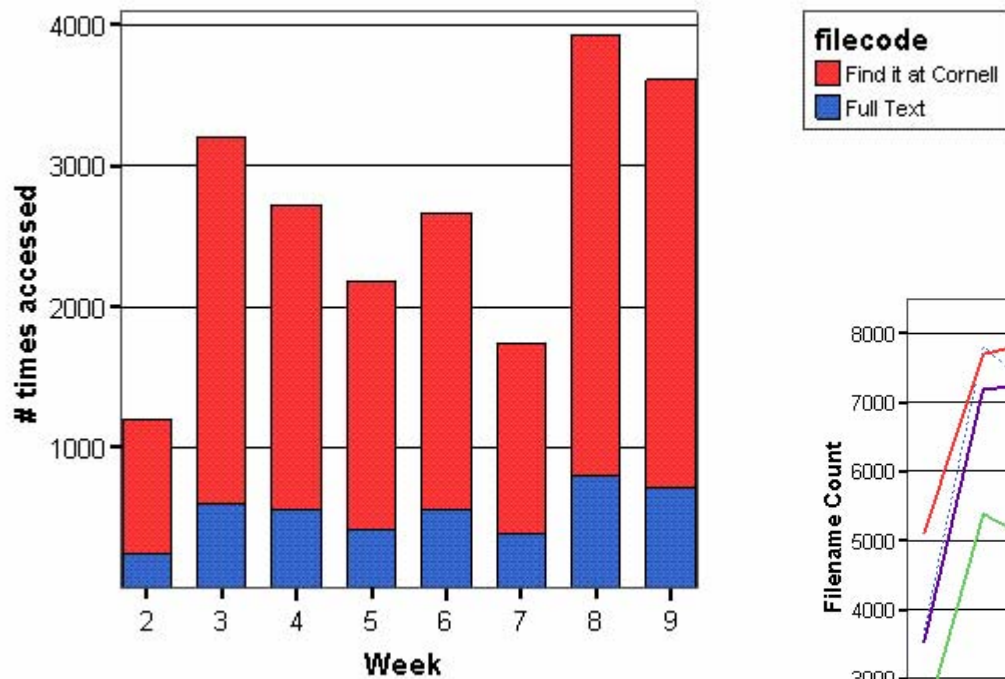
Find Articles - Database Searches



Find Articles search activity, including connection failures



Databases searched via Find Articles
versus Find Databases



Find it at Cornell usage

Next steps

- Another round of connection testing and implementation
- Additional services on “Find It At Cornell” page
- User studies to learn more about reference linking use