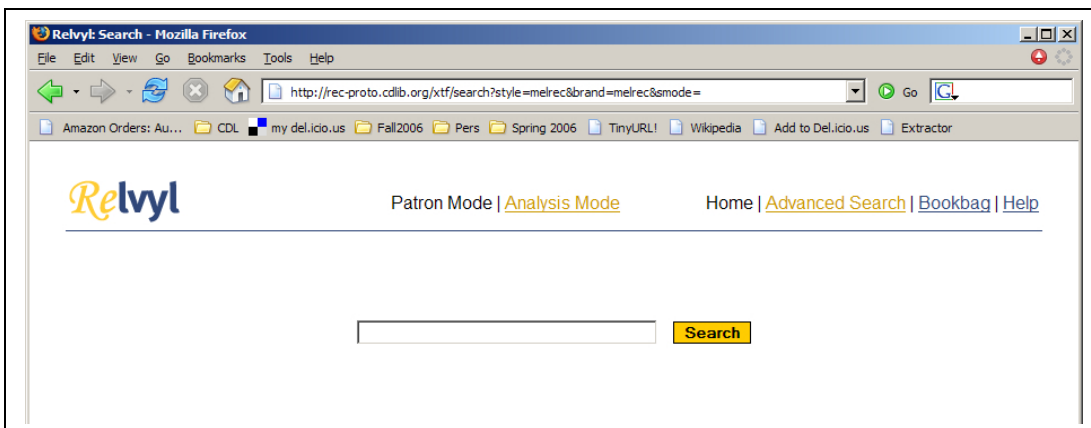


## Relvyl Prototype: Description and Screen Shots

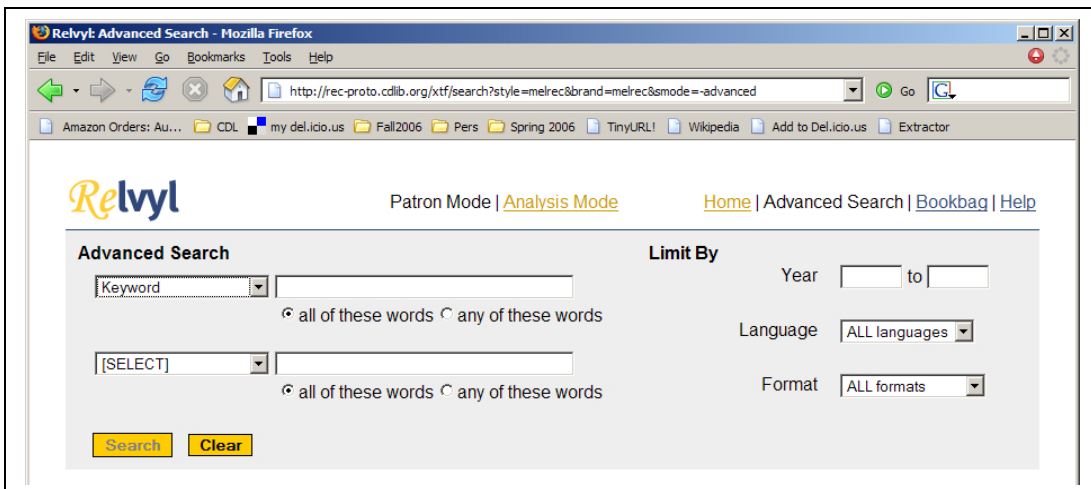
The Relvyl prototype demonstrates, in a very basic way, a few of the key features the Melvyl Recommender Project team explored over the course of the project. Many of the algorithms underlying those features allow for different weights or configuration options. The default “patron mode” is pre-configured, and is meant to approximate the basic feature set resulting from the investigation. The prototype also includes an option to switch to “analysis mode”, which reveals an expanded set of controls that manipulate key weights and configuration options. Analysis mode allows both the development team and other interested parties some flexibility to tinker with other configuration options.

### Patron Mode

The default search screen presented on the home page is a simple keyword search.



The advanced search page offers fielded search (e.g. title, author, keyword, subject, ISBN, and ISSN), as well as allowing the user to apply limits (year, language, format).



By default in patron mode, search results are displayed as brief records, sorted by relevance. The user can **sort** (by relevance, author, title, publication date), choose an expanded metadata view with **more details**, or **page** through results. Where appropriate, the Relvyl prototype **groups records** for items that are closely related (based on title and author); for example, multiple versions or editions of the same work.

Relvyl: Results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://rec-proto.cdlib.org/xtf/search?newKeyword=Golden+bowl&style=melrec&brand=melre

Amazon Orders: Au... CDL my del.icio.us Fall2006 Pers Spring 2006 TinyURL! Wikipedia Add to Del.icio.us Extractor

Relvyl Patron Mode | Analysis Mode Home | Advanced Search | Bookbag | Help

Your search for **golden** or **bowl** in **keywords** returned 42 result(s).

Refine Search

relevance Sort

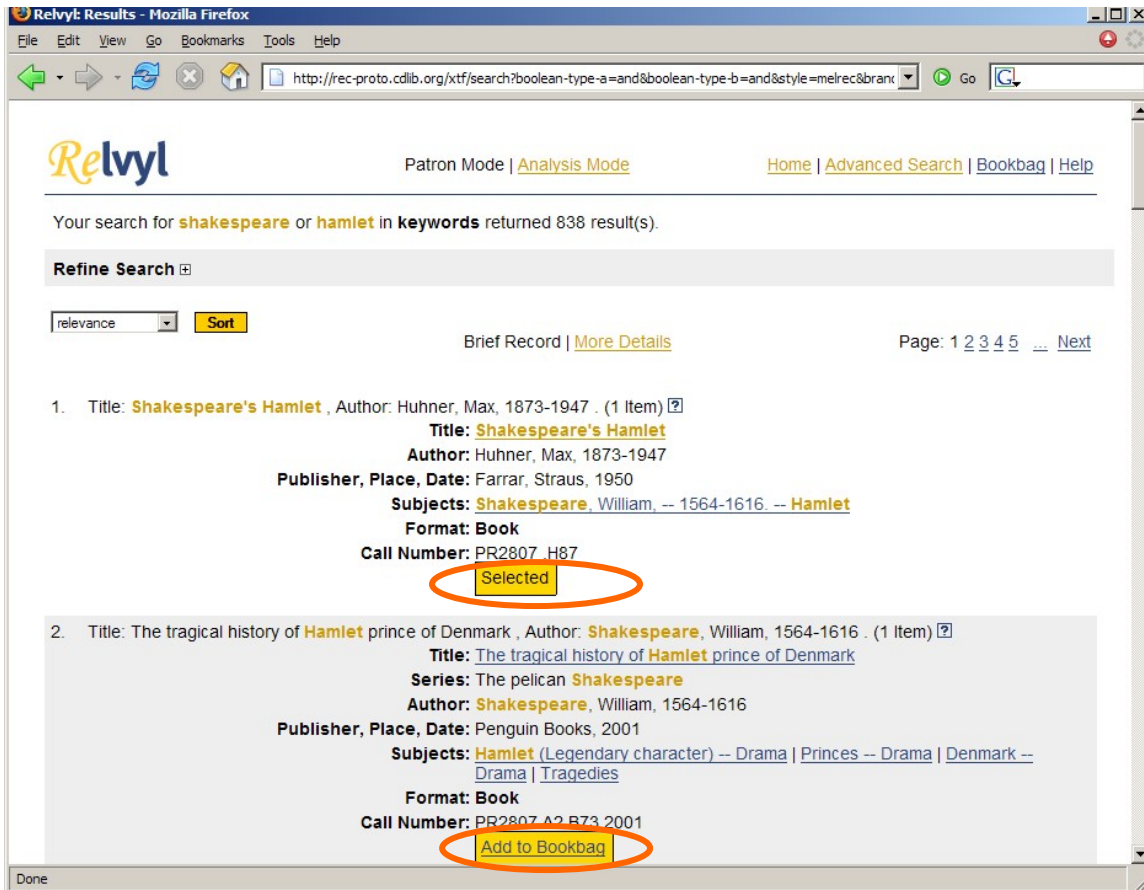
Brief Record | More Details

Page: 1 2 3 Next

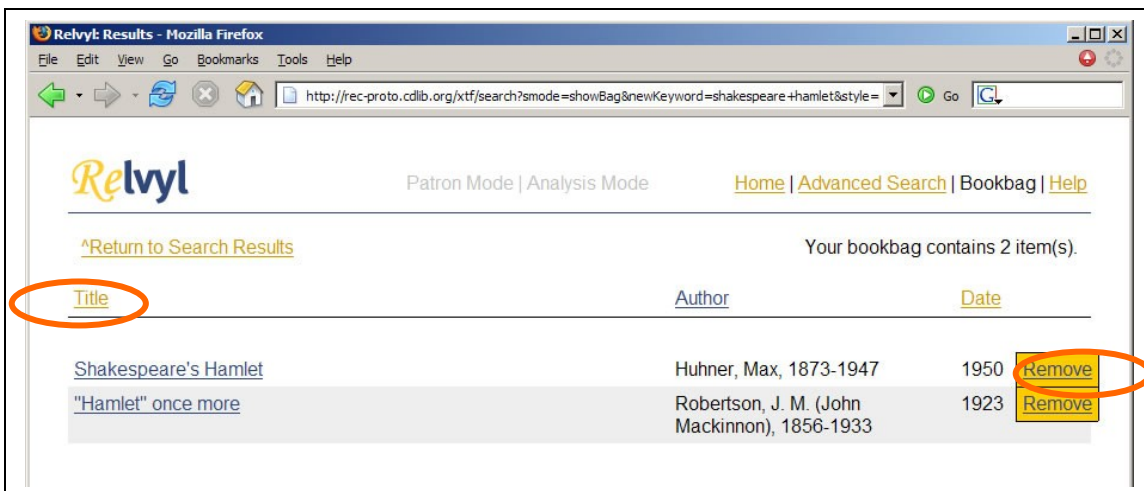
- Title: Henry James's ultimate narrative: The **golden bowl** , Author: Wilson, Richard Bartley Joseph. (1 Item) [?](#)  
Title: [Henry James's ultimate narrative: The golden bowl](#)  
Author: Wilson, Richard Bartley Joseph.  
Publisher, Place, Date: University of Queensland Press, 1981  
Subjects: [James, Henry, -- 1843-1916. -- Golden bowl](#)  
Format: Book  
Call Number: PS2116 .G56Zw  
[Add to Bookbag](#)
- Title: The **golden bowl** , Author: Joscelyn, Archie. (2 Items) [?](#)  
Title: [The golden bowl](#)  
Author: Joscelyn, Archie.  
Publisher, Place, Date: International fiction library, 1931

Done

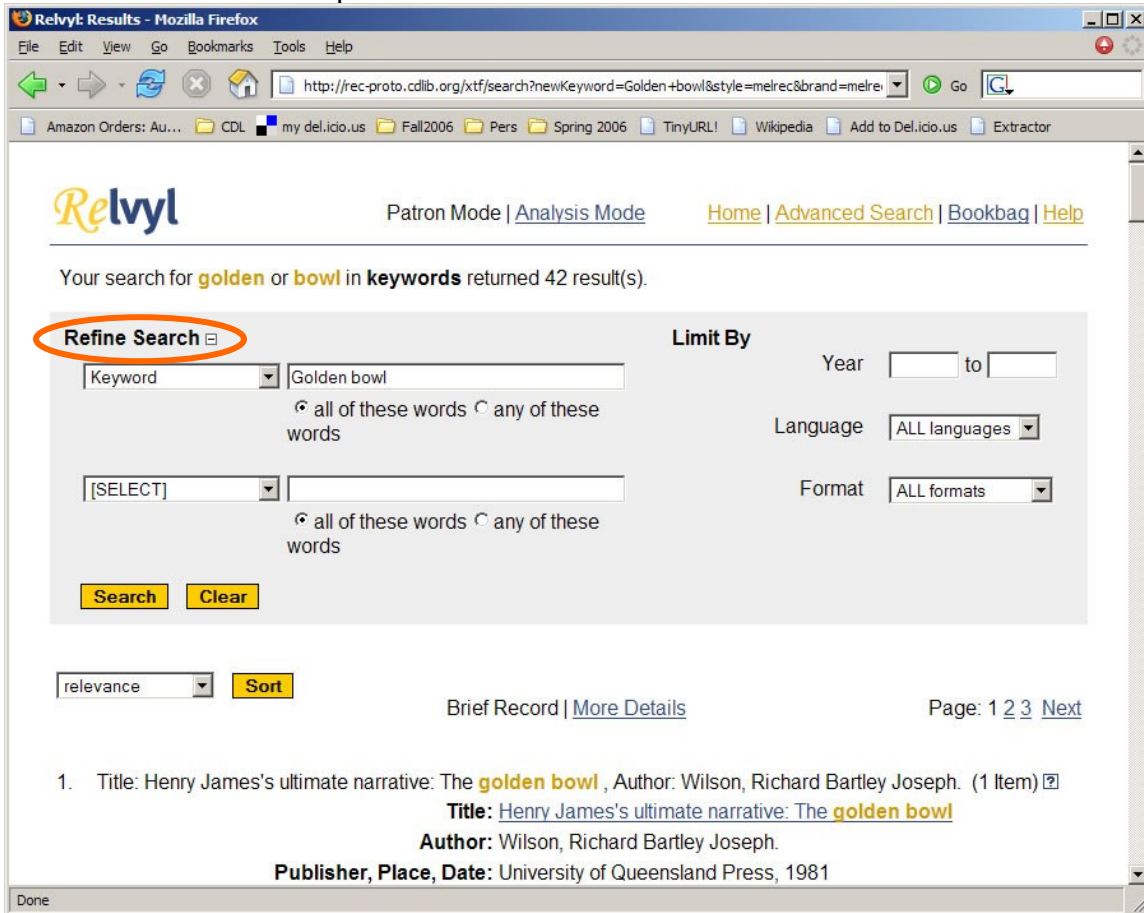
Clicking on “add to bookbag” marks items that will be saved in a temporary (session-based) bookbag; once marked they are identified as “selected” in the results display.



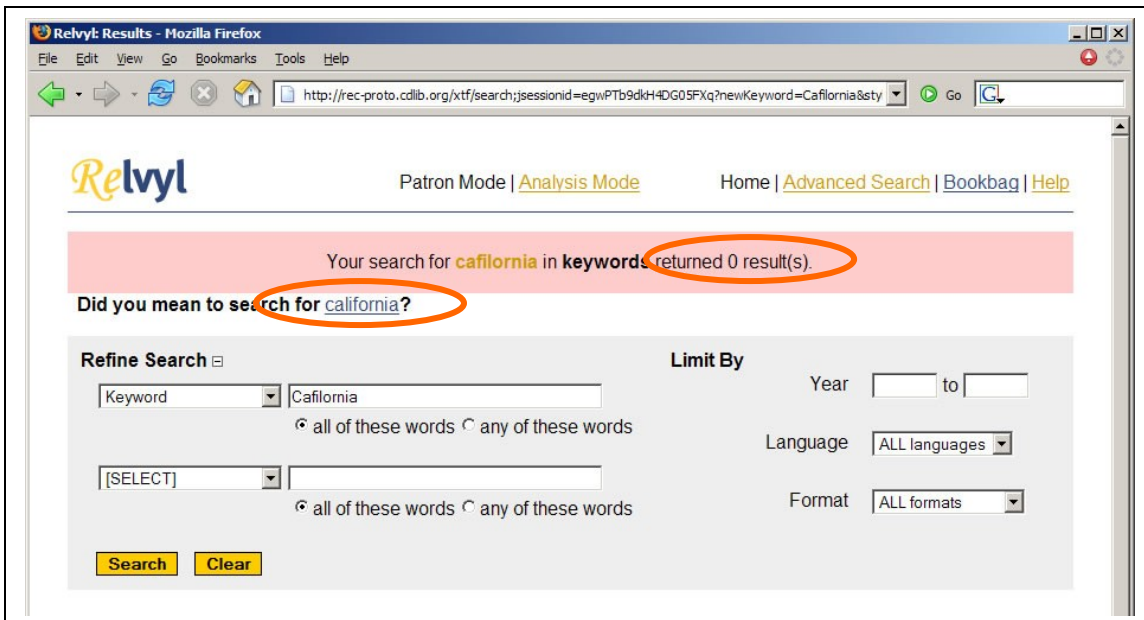
Items in the bookbag can be sorted by Title (default), Author or Date by clicking on the column headings. Items can be removed using the buttons in the right-hand column.



Expanding the “**Refine Search**” box on the results page reveals advanced search options, with current search terms pre-filled in the form.

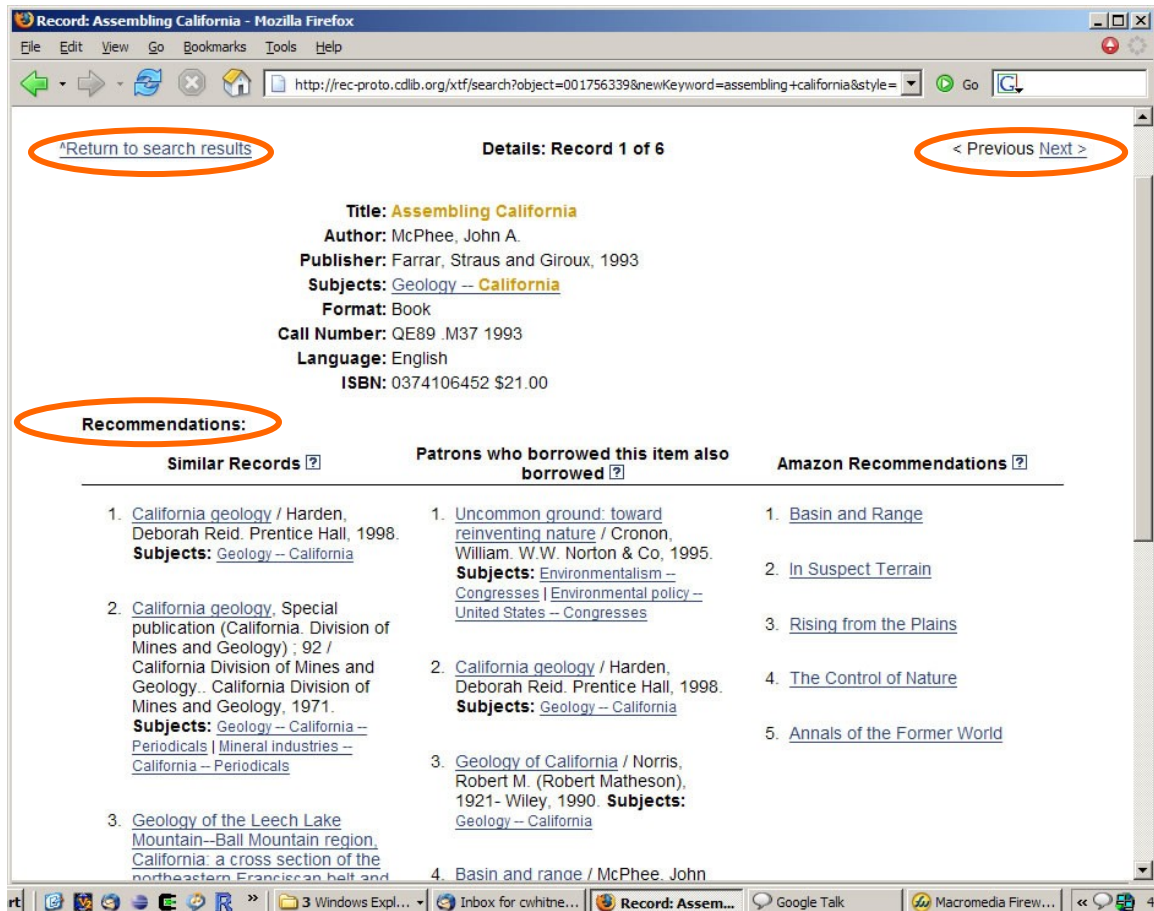


The “refine search” box is open by default when there are 0 results returned. The spelling correction algorithm also provides a single, clickable alternative suggestion.



The detail view for a record includes a full metadata display in very simple format, as well as the options to **return to search results** or to continue paging through the result set using **previous/next** links.

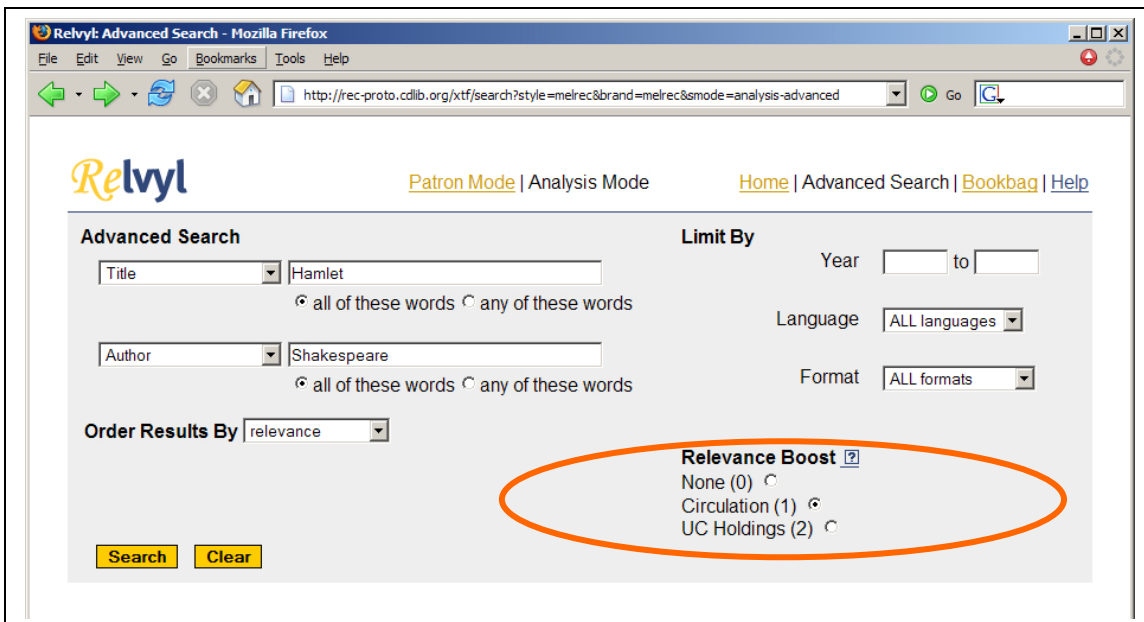
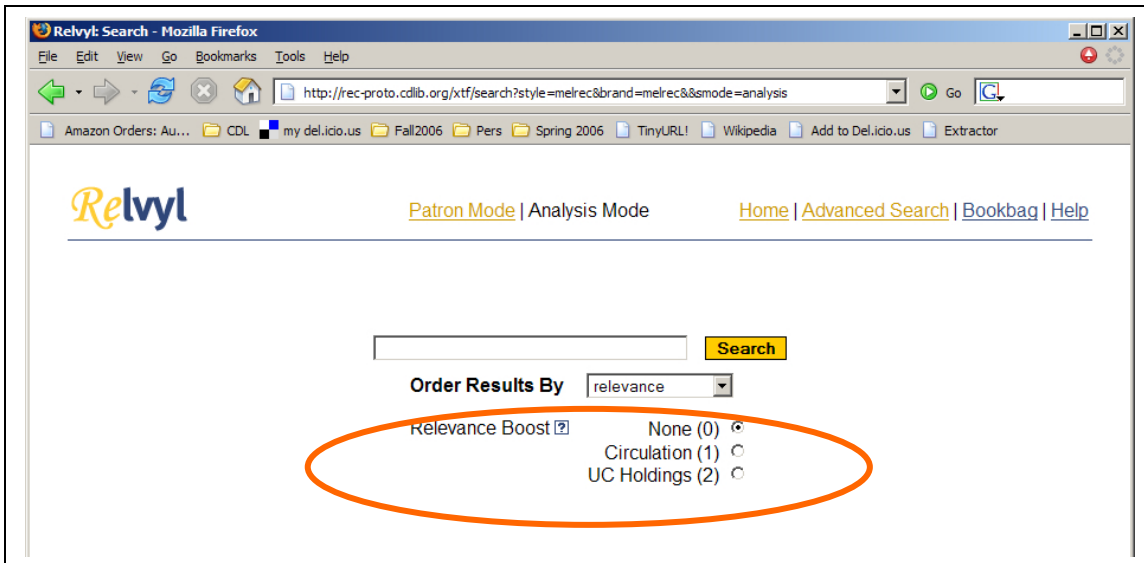
Below the metadata display, three sets of **recommendations** are displayed side-by-side for easy comparison. Recommendations based on similar records are displayed in the left-hand column; these are present for every record. Recommendations generated using circulation data are presented in the center column when available (about 25% of the time). Recommendations from Amazon’s web service are presented in the right-hand column when available (very infrequently).



## Analysis Mode

Users can toggle between patron mode and analysis mode at any time during a browsing session using the links in the center of the header at the top of the page. The essential features are the same as those presented in patron mode, but with additional options and control available on most page views.

In analysis mode, both the simple keyword search on the home page and the advanced search form include the ability to specify a relevance boost. Relevance boosts use additional data to change the way that relevance is calculated, and therefore the way that results are ordered. Choosing the "circulation" boost increases relevance scores for items that circulate often; the "holdings" boost to increases relevance scores for items held by more UC campus libraries. In this mode, both forms also include a drop-down for specifying sort order.



In analysis mode, search results pages offer an expanded display and additional controls. On the left, the query time and the selected relevance boost factor are displayed below the sort menu.

On the right are two additional controls. “UnFRBRize” removes the title and author groupings, allowing the user to see what the results display would be like without this feature.

Relvyl: Results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://rec-proto.cdlib.org/xtf/search?boolean-type-a=and&boolean-type-b=and&weight=1&style=m

Relvyl Patron Mode | Analysis Mode Home | [Advanced Search](#) | [Bookbag](#) | [Help](#)

Your search for **shakespeare** in **author** and **hamlet** in **title** returned 165 result(s).

Refine Search

relevance **Sort**

Brief Record | [More Details](#)

Page: 1 2 3 4 5 ... [Next](#)

Query Time: 0.029 | Boost: 1

[Explain Scores](#) | [UnFRBRize](#)

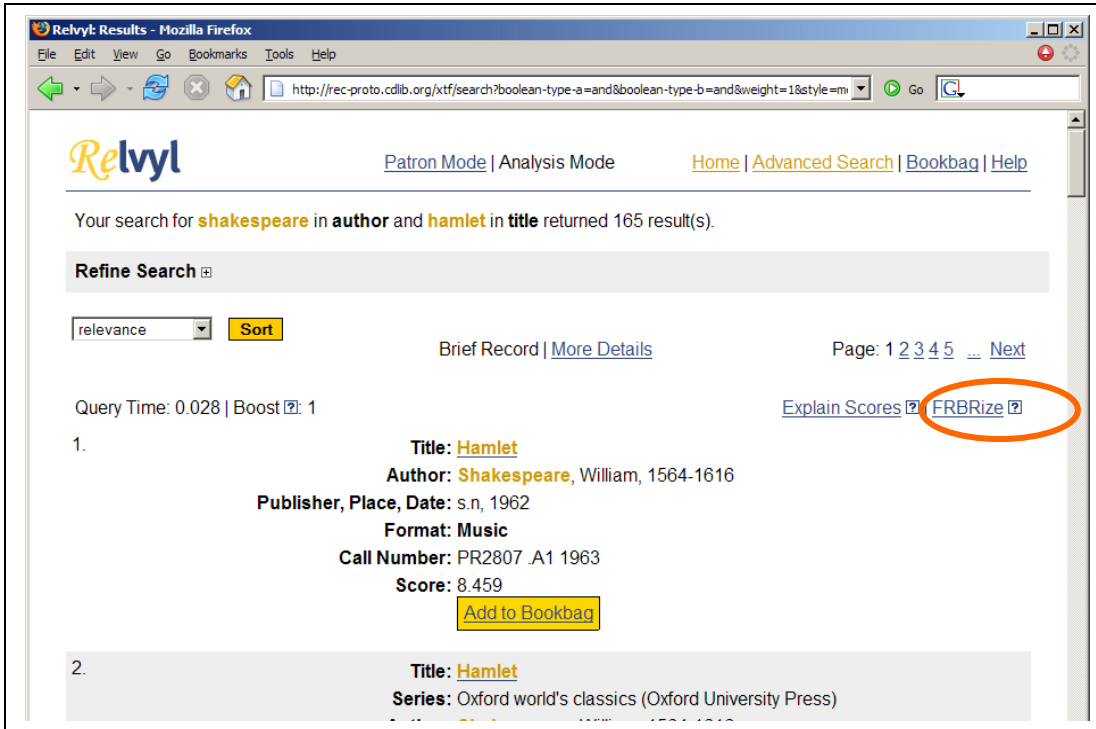
1. Title: **Hamlet**, Author: **Shakespeare**, William, 1564-1616 . (19 Items)

▶ Title: **Hamlet**  
Author: **Shakespeare**, William, 1564-1616  
Publisher, Place, Date: s.n, 1962  
Format: **Music**  
Call Number: PR2807 .A1 1963  
Score: 8.459  
[Add to Bookbag](#)

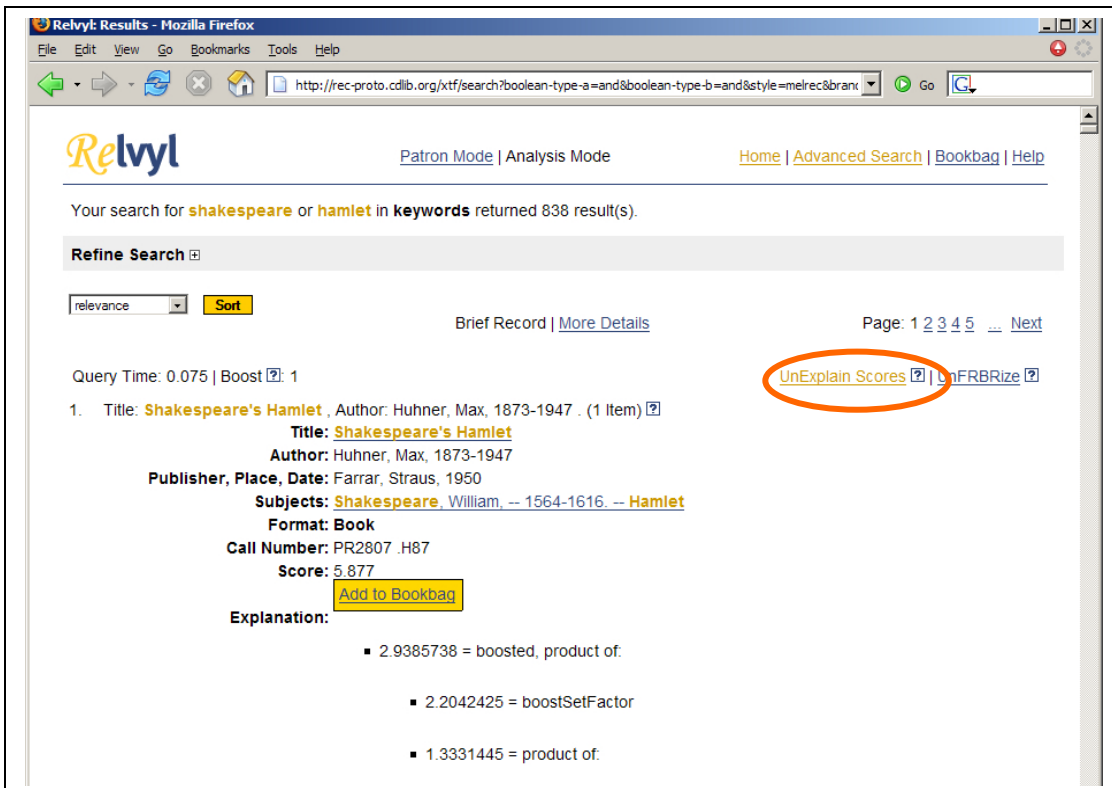
▶ Title: **Hamlet**  
Series: Oxford world's classics (Oxford University Press)  
Author: **Shakespeare**, William, 1564-1616  
Publisher, Place, Date: Oxford University Press, 1998  
Subjects: [Princes -- Denmark -- Drama](#)

Done

“FRBRize” toggles the display back to the grouped mode.



“Explain scores” (which toggles with “Unexplain scores”) dumps information about the relevance scoring algorithm to the screen for each item in the result set.



Analysis mode adds one option to the detail record view: a link to a page where weights for the similarity-based algorithm can be manipulated.

