Tools for Serials Collection Assessment

For the Regional Medical Libraries meeting in Pullman Washington.

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Need for serial collection assessment

Changes in scope and formats

- Print and electronic
- Own versus access

Complex agreements

- Archival Rights, Cancellation clauses
- Rights and restriction for document delivery services, eReserves

Budget

- Percentage of serials budget varies by subject
- Inflation
Communication

• 20 selectors at Pullman
• 6 collection managers at Pullman and three regional campuses
• Developed SharePoint Collections site
• http://dissertations2.wsulibs.wsu.edu/Collection s/default.aspx
Data elements used for assessment

📖 Print format
- Faculty recommendations
- In-house use – circulation, survey or actual count of journals
- Interlibrary loan requests (ILL)
- ISI data
  - Impact Factor and rank within a subject area
  - Institution’s authored papers, cited papers
- Indexing, Core collection
- Price, cost/use
- Subject/Topic
Data elements used for assessment

€ Electronic Format

- Downloads of PFD/HTML journal articles
- May replace in-house use if print titles have been canceled
- Time-consuming to collect
Types of Databases

Library designed databases:
- Flat file database – EXCEL Spreadsheet
- Relational Database – MySQL, Access Database

Commercial products:
- Ulrich’s Serials Analysis System (USAS)
- ISI Journal Use Report (JUR)
- Integrated Library System – Innovative Millennium

Commercial data providers
- ScholarlyStats – ejournal use statistics
# Library Designed Databases

## Advantages:
- Customizable
- Software expense is low
- Learning curve is short for EXCEL, longer for relational databases
- If data is presented well and can be trusted, generally appreciated by decision-makers

## Disadvantages:
- Labor intensive
- Documentation, lack of standards
- Spreadsheets
  - Fragile – need backups
  - One person maintain master
- Must maintain data
Commercial Products

Advantages:

- Provide some of the data need for serials assessment and update it regularly.
- Learning curve is short for all products except Innovative
- Can save labor
- Multiple users

Disadvantages:

- Cost of some of the products is very high.
- No one-stop shopping
- Challenging to customize to local needs
Detailed review of databases

Library Designed Database
- WSU – Serials Decision Database (EXCEL)

Commercial product – data sources
- ScholarlyStats – electronic journal usage statistics

- Commercial product – collection assessment tools
  - Ulrich’s Serials Analysis System (USAS)
  - ISI Journal Use Report (JUR)
  - Integrated Library System – Innovative Millennium
Serials Decision Database

Demo
ScholarlyStats

- MPS Technology collects and consolidates the journal and database usage statistics provided by vendors.
- 32 publishers
- “Dashboard” reports
  - Archival value
  - Analysis by vendor

https://www.scholarlystats.com/sstats/default.htm

- ScholarlyStats reports can be delivered as:
  - .csv files or .xml

- ScholarlyStats reports can be uploaded/merged:
  - Library designed database
  - USAS
  - JUR
  - Innovative ERM
Ulrich’s Serials Analysis System (USAS)

- Tool to assess journals the library holds and does not hold

- Upload a list of ISSN and titles and these are matched to information in Ulrich’s

- Titles are compared by subject to Ulrich’s core titles (60,000 refereed) or Ulrich’s Universe (200,000 active titles) to identify non-subscribed titles.
Data provided by Ulrich’s SAS

- ISSN
- Title, Publisher and List Price
- Abstracting/Indexing, Refereed
- ISI Impact factor (if JCR subscription)

- Availability of electronic format
- Subject
- Dewey
- Magazines for Libraries review

http://www.wsulibs.wsu.edu/Collections/Selectors/selectors.htm
Data uploaded by library staff

- ISSN (match)
- Title
- Ejournal Use Statistics
  - ScholarlyStats
  - Spreadsheet
- Two Note fields

Not enough notes fields

- ILL use
- ISI authored, cited papers
- Priority
- Cost/use
- Faculty requests
- Comments
Ulrich’s Serials Analysis System (USAS)

Strengths of USAS

- Provides and maintains data that is non-local
- Information on subscribed and non-subscribed titles
- Compare holding to aggregator collections
- Could be used on the consortial level

Weaknesses of USAS

- Data provided is only as good as Ulrich’s Periodical Index
- Some data provided is “hidden” – ISI
- Not enough columns for local data
ISI Journal Use Report (JUR)

“Purpose is to understand how journals are being used at their institution.”

- From ISI JUR
  - Journal Performance Data from Journal Citation Reports
  - Institutional publications and citation activity from Web of Science specific to your institution

- Upload by library staff
  - Library holdings file
  - Vendor journal usage reports
ISI Journal Use Report (JUR)

- Create a profile for each part of your institution (departments, branches, etc)

- View by journal title
  - Number of times OHSU authors cited the journal
  - Number of time OHSU authors were cited in the journal
ISI Journal Use Report (JUR)

Strengths

- Assess journal usage on a granular level. Possible use by administration in evaluating research output
- Vendor use data archive for three years

Weaknesses

- Expensive
- Only “holdings” and ejournal local information can be loaded
Challenges of using Innovative for serial collection assessment

Data available through catalog:

- Journal names of current subscriptions
- Format of the publication
- Cost
- ERM- Use statistics

Data not available through catalog:

- Non-subscribed titles
- Use of a Resource Record for non-subscribed title
- Difficulty of retrieving data from the coverage database
Conclusion

1. Several new products could be used to gather data or as serials analysis databases.

2. No product will totally replace a customized local library database.

3. Products reviewed and ones under-development provide many more opportunities for efficient serials collection assessment.
Questions
## Percentages of Ulrich’s Universe: Summary

**Top Publishers:** Oxford University Press

**Reporting Level:** Summary

**Go To:** Ulrich’s Core

**View/Search:** Current List

<table>
<thead>
<tr>
<th>Ulrich’s Subject</th>
<th>Publisher List Count</th>
<th>Number of Ulrich’s Universe with this Subject</th>
<th>Publisher Count as Percentage of Universe</th>
<th>Ulrich’s Universe Titles Publisher Does Not Hold</th>
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<tbody>
<tr>
<td>Grand Totals:</td>
<td>7</td>
<td>5,735</td>
<td>0.12%</td>
<td>5,728</td>
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<tr>
<td>Grand HISTORY</td>
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<td>5,735</td>
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<tr>
<td>Grand Totals:</td>
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<td>5,735</td>
<td>0.12%</td>
<td>5,728</td>
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</table>

**NOTE:** 1 ISSNs on this list could not be included in the statistics. Click here for details.

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### Percentages of Ulrich's Universe: List Details
#### Oxford University Press

<table>
<thead>
<tr>
<th>ISSN</th>
<th>Title</th>
<th>Subject</th>
<th>Publisher</th>
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<th>Dewey Number</th>
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<th>Abstracted/Indexed</th>
<th>Electronic Journal</th>
<th>ISI Impact Factor</th>
<th>Magazine for Librarians</th>
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<tr>
<td>0013-8256</td>
<td>English Historical Review</td>
<td>HISTORY - HISTORY OF EUROPE</td>
<td>Oxford University Press</td>
<td>USD 207</td>
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1 - 7 of 7 rows
Impact Factor Trend Graph: PAST & PRESENT

Click on the "Return to Journal" button to view the full journal information.

*Impact Factor -- see below for calculations*

The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more bibliometric data and information on this and other journal titles, click on the "Return to Journal" button.

NOTE: Title changes and coverage changes may result in no impact factor for one or more years in the above graph.

2005 Impact Factor

Cites in 2005 to articles published in: 2004 = 16  Number of articles published in: 2004 = 26
2003 = 12  2003 = 26
Sum: 25  Sum: 54
Calculation: Cites to recent articles = 16  = 0.296
Number of recent articles = 54

2004 Impact Factor

Cites in 2004 to articles published in: 2003 = 5  Number of articles published in: 2003 = 28
2002 = 20  2002 = 27
Sum: 25  Sum: 55
Calculation: Cites to recent articles = 25  = 0.455
Number of recent articles = 55

2003 Impact Factor

Cites in 2003 to articles published in: 2002 = 2  Number of articles published in: 2002 = 27
2001 = 14  2001 = 26
Sum: 16  Sum: 58
Calculation: Cites to recent articles = 16  = 0.303
### Percentages of Ulrich's Core: List Details

**OHSU Subscribed titles for 2006**

**Subject:** GERONTOLOGY AND GERIATRICS  
**Level:** Detailed

<table>
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<tr>
<th>ISSN</th>
<th>Title</th>
<th>Publisher</th>
<th>List Price</th>
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<th>ISI Impact Factor</th>
<th>Magazines for Libraries</th>
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<td>0002-0729</td>
<td>Age and Ageing</td>
<td>Oxford University Press</td>
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<td>Journal of the American Geriatrics Society</td>
<td>Blackwell Publishing, Inc.</td>
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<td>Topics in Geriatric Rehabilitation</td>
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