Use Statistics for Electronic Government Publications

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What does Leonardo di Caprio have in common with Government Publications?
Answer: the #1 requested govpub in March 2007 from our catalog was:

**Title:** Conflict diamonds [electronic resource] : agency actions needed to enhance implementation of the Clean Diamond Trade Act : report to congressional committees.

**Corporate Author:** United States. Government Accountability Office.


**Description:** iii, 62 p. : digital, PDF file.

**Connect to:**
Through our Usage Statistics program, we are finding:

- Use of electronic government publications mirror:
Items in the News

Example: In February and March, 2005, Congress held hearings on the use of steroids in athletics. One of our most accessed electronic records at that time was:

Title: Anabolic steroids, a dangerous and illegal way to seek athletic dominance and better appearance [electronic resource]: a guide for understanding the dangers of anabolic steroids


Click on the following to:

Connect to
Items of interest to the San Jose area

• Example: one of the most viewed item in June 2005:

<table>
<thead>
<tr>
<th>Title</th>
<th>Obsolete computers [electronic resource] : &quot;gold mine&quot;, or high-tech trash? : resource recovery from recycling</th>
</tr>
</thead>
</table>

Click on the following to:

Connect to

Items of personal interest

In August 2004, many looked up popular baby names.

In 2004 & 2005, Jacob and Emily were the most popular.
Items of interest for student papers

Our Nutrition students are researching obesity:

Author: Bascetta, Cynthia A., 1953-
Title: Childhood obesity [electronic resource] : most experts identified physical activity and the use of best practices are key to successful programs.

Click on the following to:
Steps to producing statistics

The following slides are from a presentation given at the NASIG conference May 20, 2005 by Susan Kendall and Celia Bakke
Government Publications
Architecture

Front-end

- stat_govpub.htm
- parameters receive: -bibNum -vendor url

- Redirect to vendor website

Back-end

- Collects data: -bibNum -suDoc # -class -title

- insert into

- Stores data: -bibNum -suDoc# -class -title

Client

Programming languages: COLDFUSION, HTML, CSS
Database: Microsoft SQL Database (MS SQL DB)

* Extract data using cfhttp to initiate a one-way request from information from a remote server (the library catalog)
http://mill1.sjlibrary.org/search/.bibNum/.bibNum/1,1,1,B/marc~bibNum

Lyna Nguyen
Government Publications
Architecture

Programming languages: COLDFUSION, HTML, CSS
Database: Microsoft SQL Database (MS SQL DB)

Front-end

stat_govPub.htm
- login/logoff
- view by month & year
- sort by: a-z, suDocs, highest hits
- search by bibNum, suDocs#, title

user submits

display to web browser

Back-end

Retrieves/Groups/Counts data:
- count
- bibNum
- suDoc #
- class
- title

read file

extract data

query data

connect to db

MS SQL DB Server

Data from DB:
- bibNum
- suDoc#
- class
- title

Stores hit data:
- bibNum

stat_govPub_(month).txt
(text file)

Lyna Nguyen
Steps to Modifying the Bibliographic Record

Identify the Bibliographic Record

TITLE: Nominations of Hon. Todd Walther Dillard and Robert R. Rigsby
Then add the bibliographic record number to the prefix

✔ The prefix is: http://univ-intranet.sjlibrary.org/scripts/database_statistics/stat_govpub.htm?id=19650826
Find the URL for the record

✔ 856 field will have the URL address

http://purl.access.gpo.gov/GPO/LPS24014|xSJ SU
Then add tracking information

✓ 856 41 |uhttp://univ-intranet.sjlibrary.org/scripts/database_statistics/stat_govpub.htm?id=19650826&path=http://purl.access.gpo.gov/GPO/LPS24014|x SJSU
Overall Database changes:

- Search records in the database using Review Files
  - Initial search strategies:
    - 856 has “GPO” (Bibliographic records search)
    - Since most of these records have a “purl”, records are grouped into one review of batch changes.
Next step:

- Use a script/macro to copy the bibliographic record number for each record
- Add the prefix to the URL.
- Also consider using a “do loop” in the script to perform batch changes
- Majority of records can be batch processed with the script
Time required for initial run

- 37,000 bibliographic records / 50,000 entries
- 2 weeks to run initial database change
- Many records had non standard URLs attached
On-going monthly maintenance

• Search for records to be changed after downloading monthly Marcive records
• Use script to do an automatic search
• Scan the records to check URLs
• Run a script/macro to batch change the records
On-going monthly maintenance and time consideration

- Total staff time: less than 10 minutes
- Total Machine time: less than 2 hours
Program can sort by Title:

Government Publications Statistics

Month: [January, February, March]  
Year: 2007  
Sort By: Alphabetical Order  
Search: BibNum Title SuDocs

Selected Month(s): March  
(CTRL+SHIFT to select more than one month)

Today Date: April 11, 2007

There are 510 records. Total count = 745.

<table>
<thead>
<tr>
<th>Bib. #</th>
<th>Title</th>
<th>SuDocs#</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 26331401</td>
<td>10 tips to healthy eating and...</td>
<td>HE 20.102:2004003029</td>
<td>2</td>
</tr>
<tr>
<td>2 25747381</td>
<td>10 years after the implementa...</td>
<td>Y 4.G 74/7:D 56/6</td>
<td>1</td>
</tr>
<tr>
<td>3 25442776</td>
<td>100 questions &amp; answers about...</td>
<td>HH 1.2:H 75/53</td>
<td>1</td>
</tr>
<tr>
<td>4 28889769</td>
<td>100 years of U.S. consumer sp...</td>
<td>L 2.71:9913</td>
<td>1</td>
</tr>
<tr>
<td>5 19606096</td>
<td>100th anniversary of the foun...</td>
<td>Y 1.1/8:107-596</td>
<td>1</td>
</tr>
<tr>
<td>6 25542722</td>
<td>1040 instructions...</td>
<td>T 22.51:1040/INST./</td>
<td>2</td>
</tr>
<tr>
<td>7 25543003</td>
<td>1040A instructions...</td>
<td>T 22.51:1040 A/INST./</td>
<td>1</td>
</tr>
</tbody>
</table>
Program can sort by SuDocs Number

Government Publications Statistics

Month:  
- January  
- February  
- March

Sort By:  
- SuDocs Order

Search:  
- BibNum  
- Title  
- SuDocs

Year:  
- 2007

Selected Month(s): March
(CTL+SHIFT to select more than one month)

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<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>19054592</td>
<td>Mucosal injury in cancer pati...</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>1850131x</td>
<td>NUVMC...</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>16703431</td>
<td>National patterns of r&amp;d reso...</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>18541550</td>
<td>Congressional record on CD-ROM...</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>18325531</td>
<td>Childhood obesity, causes &amp; p...</td>
<td>A 1.2:C 43/2</td>
<td>1</td>
</tr>
<tr>
<td>25837850</td>
<td>Exploring poor purchase behav...</td>
<td>A 1.75:747-07</td>
<td>2</td>
</tr>
<tr>
<td>26614212</td>
<td>Barbecue food safety...</td>
<td>A 110.2:B 23/2003</td>
<td>1</td>
</tr>
<tr>
<td>2583664x</td>
<td>Working trees for treating wa...</td>
<td>A 13.2:W 28</td>
<td>1</td>
</tr>
</tbody>
</table>
Program can sort by the number of "hits":

Government Publications Statistics

Month: March
Year: 2007

Selected Month(s): March
(CTL+SHIFT to select more than one month)

Today Date: April 11, 2007

There are 510 records. Total count = 745.

<table>
<thead>
<tr>
<th>Bib. #</th>
<th>Title</th>
<th>SuDocs#</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30078805 Conflict diamonds</td>
<td>GA 1.13:GAO-06-978</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>19581609 Colombian army adaptation to...</td>
<td>D 101.146:2002017552</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>2597600x Transportation-disadvantaged...</td>
<td>GA 1.13:GAO-04-971</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>25896027 The international classificat...</td>
<td>HE 22.41/2:</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>29480085 No Child Left Behind Act...</td>
<td>GA 1.13:GAO-06-661</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>29479459 Tsunamis...</td>
<td>HE 20.7002:T 78/2</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>19600963 An assessment of computer mat...</td>
<td>A 98.2:C 73/2N.1-3</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>28888662 Employees in postsecondary in...</td>
<td>ED 1.102:IN 7</td>
<td>5</td>
</tr>
</tbody>
</table>
We would like to acknowledge the work done by:

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from
SJSU University Library
Thank you!

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