



## LexisNexis Academic Features: Results Clustering

Results clustering technologies have been steadily gaining popularity with information systems designers and users. LexisNexis has created an exceptionally powerful implementation of results clustering based on its proprietary SmartIndexing technology. When you run a search in LexisNexis Academic that produces more than one hit, your results are returned in the form shown below.

Illustration 1: Results Clustering by Source Category

The screenshot displays the LexisNexis Academic search interface. At the top, the search results are grouped by source category. The 'Newspapers' category is expanded, showing individual publications. The search results are sorted by relevance, and the first three results are displayed. Each result includes a title, source information, and a brief excerpt.

No.	Results
1	<b>Global IT: Are You Up to the Challenge?</b> Computerworld, April 20, 2006, IT MANAGEMENT; Pg. 50, 762 words, Barbara Gomolski ... markets such as Asia and, specifically, <a href="#">China</a> . I, too, am excited ... ... significant IT investment.* <a href="#">Google</a> recently announced that it ... ... advantageous. The geopolitical issues. As the <a href="#">Google</a> example illustrates, there are myriad ... ... UNITED STATES (94%); CHINA (94%)
2	<b>Skype censors text messages in China</b> Digital Media Asia, April 20, 2006, 235 words ... text messages in <a href="#">China</a> ©2006 Digitalmediaasia. ... ... messages are filtered in <a href="#">China</a> . Skype's local partner, ... ... companies that operate in <a href="#">China</a> , such as <a href="#">Google</a> and Yahoo, Mr Zennstr ... ... Chinese market. Like Google, Yahoo and E-bay, ... ... miss out on <a href="#">China</a> 's more than 100 million ... ... users and that its compliance in <a href="#">China</a> is no different from compliance with ... ... I need to comply with them. <a href="#">China</a> in that way is not ... GOOGLE INC (82%) ASIA (96%); CHINA (96%)
3	<b>Gates remarks on internet policy to Chinese President</b> Digital Media Asia, April 20, 2006, 352 words ... censorship. Though Microsoft and <a href="#">China</a> have firmly committed to fighting ... ... wondered whether the pressing question of <a href="#">China</a> 's censorship policies would be ... ... without openly criticising <a href="#">China</a> . the need for a ...

The example above uses grouping by source category, and illustrates how the "Newspapers" category can be expanded to show individual publications. Note that the number of hits for each category and for each publication is shown in parentheses.

The “Results Groups” dropdown on the left allows you to rearrange your answer set by

- Source category
- Publication name
- Subject
- Industry
- Company
- Geography
- Language

You can easily switch between the different types of results groups, or back to “All Results.” The next two illustrations show different groupings of the same result set.

### Illustration 2: Results Clustering by Subject

The screenshot shows a search results page for the query "(marriage and japan) (1000)". The page is titled "General Search - News, All (Engli...)" and has a search bar with the query "(marriage and japan) (1000)". The search results are displayed in a list view, sorted by Relevance. The results are grouped by subject, with a dropdown menu on the left showing the selected subject "Subject".

The search results are as follows:

No.	Results
1	<a href="#">In surprise, Japan's birth rate increases</a> Agence France Presse -- English, August 22, 2006 Tuesday, 532 words, Kimiko de Freytag-Tamura
2	<a href="#">Divorce in Japan: Family, Gender and the State 1600-2000</a> NWSA Journal, June 2006, Pg. 244, 166 words
3	<a href="#">Matchmakers caught faking it</a> The Australian (Australia), May 23, 2006 Tuesday, WORLD; Pg. 9, 511 words, Leo Lewis, Toyko
4	<a href="#">Matchmakers trip on path to true love</a> The Times (London), May 22, 2006, Monday, OVERSEAS NEWS; Pg. 33, 565 words, Leo Lewis in Tokyo
5	<a href="#">Why it's not all roses taking a Chinese bride</a> The Japan Times, April 16, 2006, Sunday, 660 words
6	<a href="#">A love forbidden can never be forgotten</a> The Japan Times, June 25, 2006, Sunday, 1421 words
7	<a href="#">FEATURE: Nonregistered marriages on the increase</a> Japan Economic Newswire, April 3, 2006 Monday, INTERNATIONAL NEWS, 782 words
8	<a href="#">No. of January-June births in Japan increases for 1st time in 6 yrs</a> Japan Economic Newswire, August 21, 2006 Monday, INTERNATIONAL NEWS, 348 words

### Illustration 3: Results Clustering by Geography

The screenshot shows a search interface for LexisNexis Academic. The search query is "(marriage and japan) (1000)". The interface includes a "Result Groups" sidebar on the left, a "View" dropdown set to "List", a "Sort" dropdown set to "Relevance", and a "Narrow Search" field. The "Result Groups" sidebar lists various geographical categories with their respective hit counts:

- All Results (1000)
- Asia (715)
- Northern Asia (674)
- East Asia (668)
- Japan (619)
- North America (342)
- United States (319)
- Tokyo, Japan (173)
- Europe (155)
- European Union (118)
- Western Europe (118)
- South Korea (115)
- North Korea (104)
- Northeast US (68)
- China (66)
- West US (66)
- Mediterranean (65)
- Northern Europe (65)
- Australia & Oceania (63)
- Australia & New Zealand (60)
- Middle East (58)
- United Kingdom (55)
- Australia (53)
- Western Asia (53)
- South East Asia (46)
- Latin America (43)
- California, US (41)
- New York, US (39)
- Eastern Europe (36)
- Gulf States (36)

The main results list displays 9 items, each with a checkbox, a number, a title, and a brief description:

No.	Results
<input type="checkbox"/> 1	<a href="#">In surprise, Japan's birth rate increases</a> Agence France Presse -- English, August 22, 2006 Tuesday, 532 words, Kimiko de Freytas-Tamura
<input type="checkbox"/> 2	<a href="#">Divorce in Japan: Family, Gender and the State 1600-2000</a> NWSA Journal, June 2006, Pg. 244, 166 words
<input type="checkbox"/> 3	<a href="#">Matchmakers caught faking it</a> The Australian (Australia), May 23, 2006 Tuesday, WORLD; Pg. 9, 511 words, Leo Lewis, Toyko
<input type="checkbox"/> 4	<a href="#">Matchmakers trip on path to true love</a> The Times (London), May 22, 2006, Monday, OVERSEAS NEWS; Pg. 33, 565 words, Leo Lewis in Tokyo
<input type="checkbox"/> 5	<a href="#">Why it's not all roses taking a Chinese bride</a> The Japan Times, April 16, 2006, Sunday, 660 words
<input type="checkbox"/> 6	<a href="#">A love forbidden can never be forgotten</a> The Japan Times, June 25, 2006, Sunday, 1421 words
<input type="checkbox"/> 7	<a href="#">FEATURE: Nonregistered marriages on the increase</a> Japan Economic Newswire, April 3, 2006 Monday, INTERNATIONAL NEWS, 782 words
<input type="checkbox"/> 8	<a href="#">No. of January-June births in Japan increases for 1st time in 6 yrs</a> Japan Economic Newswire, August 21, 2006 Monday, INTERNATIONAL NEWS, 348 words
<input type="checkbox"/> 9	<a href="#">Peru ex president Fujimori weds Japan businesswoman</a>

### ***The Importance of Results Clustering***

Results clustering provides an instant, multi-faceted analysis of the distribution of hits in each result set. It is a powerful tool that allows users to filter their results sets and get to the information they need quickly and easily. It also has an important heuristic role. Results clustering familiarizes users with the different classes of content in LexisNexis Academic and allows them to visualize the effects of different search strategies.

### ***Related Documentation***

LexisNexis Academic Features: SmartIndexing