

Exercise 06 -- Citation Analysis

Rosanna M. Longenbaker

ILS 531-S70: Indexing and Abstracting

Spring 2013

Dr. Yan Quan Liu

March 5, 2013

Exercise 06 -- Citation Analysis

Citation analysis is when a researcher counts the number of times an article has been cited in other articles. The number of times an article is cited gives an idea of how important an article is in a field. If it is being cited frequently, then it is either being discussed or criticized a lot (University Library).

A librarian or researcher can carry out citation analysis with the use of a tool called a citation index. "Citation indexes allow the user to locate items based on... the links created when authors cite earlier works by other authors (or even some of their own previously published works). The primary use of a citation index is to find, for a particular publication known to the searcher, later items that have cited it" (Smith, 2011, p.625). This tool provides a listing of where articles and works have been cited by other authors. "An exhaustive search for cited references requires searching more than one resource" (Smith, 2011, p. 625).

An example of a citation index is *Web of Science*, which is produced by Thomson Reuters. "Originally there were three citation indexes: the *Science Citation Index* (1900-present), the *Social Sciences Citation Index* (1956-present) and the *Arts and Humanities Citation Index* (1975-present). These three citation indexes plus *Index Chemicus* (1993-) and *Current Chemical Reactions* (1986-) are now part of *Web of Science* (Thomson Reuters), an international citation index with coverage of 10,000 authoritative journals with links to the full text of articles cited. Librarians should introduce their users to the *Web of Science* if they are writing substantial research papers" (Cassell & Hiremath, 2009, p. 167). There are other online tools in addition to *Web of Science*, which allow researchers to find citations of articles. Researchers can look for citations using *Google Scholar* or *Scopus*, which is made by Elsevier (Smith, 2011).

Article Citations

Citations for Publication 3

3. Han, Z.& Liu, Y. Q. (2010). Web 2.0 applications in top Chinese university libraries. *Library Hi Tech*, 28(1), 41-62.

Using *Web of Science* I found that article 3 has been cited in 6 other publications. They are as follows:

1. Grande-Gonzalez P., & De-la-Fuente-Redondo, P. (2012). Spanish university libraries in the social web. *Profesional de la información*, 21(6), 577-584. doi:10.3145/epi.2012.nov.04
2. Gardois, P., Colombi N., Grillo, G., & Villanacci M. C. (2012). Implementation of Web 2.0 services in academic, medical and research libraries: a scoping review. *Health Information and Libraries Journal*, 29(2), 90-109. doi: 10.1111/j.1471-1842.2012.00984.x
3. Nguyen, L. C., Partridge, H., & Edwards, S. L. (2012). Towards an understanding of the participatory library. *Library Hi Tech*, 30(2), 335-346. doi: 10.1108/0737883121123997
4. Coelho, H. S. (2011). Web 2.0 in academic libraries in Portuguese public universities: A longitudinal study. *Libri*, 61(4), 249-257. doi: 10.1515/libr.2011.022
5. Herrera Morillas, J. L., & Castillo Diaz, A. (2011). University libraries 2.0: The case of Spain. *Investigación bibliotecológica*, 25(55), 175-200.
6. Mahmood, K., & Richardson, J. V. (2011). Adoption of Web 2.0 in US academic libraries: A survey of ARL library websites. *Program-electronic library and information systems*, 45(4), 365-375. doi: 10.1108/00330331111182085

Using the Library and Information Science Abstracts from ProQuest, I was able to find 2 more citations that were not listed in Web of Science. They are:

7. De Sarkar, T. (2012). Analyzing RSS applications on library web sites. *Library Hi Tech News*, 29(5), 4-21.
8. Makori, E. O. (2012). Bridging the information gap with the patrons in university libraries in Africa. *Library Review*, 61(1), 30-40. doi: <http://0-dx.doi.org/www.consuls.org/10.1108/00242531211207406>

14 citations were listed in Google Scholar. Here are the citations, which were not duplicated:

9. García-Rivadulla, S. (2010). Actitud 2.0: usos de la web social en las bibliotecas universitarias uruguayas.
10. Gerolimos, M., & Konsta, R. (2011). Services for academic libraries in the new era. *D-lib magazine*, 17(7), 1.
11. Kehinde, A. A., & Tella, A. (2012). Assessment of Nigerian University Library Web Sites/Web Pages. *New Review of Information Networking*, 17(2), 69-92.
12. Dwivedi, Y. K., & Niranjana, S. (2011). Understanding advances in web technologies: evolution from web 2.0 to web 3.0.
13. Lwoga, E. T. (2011). United Nations Economic and Social Council. *Innovation*, 2, 05.
14. Muñoz-Guajardo, I., & Arguis-Molina, S. (2011). Checklist para evaluar sitios web con herramientas de la web 2.0.

Citations for Publication 6

- 6) Liu, Y.Q., Zweizig, D. L. (2001). The Use of the National Library Statistics by Public Library Directors. *Library Quarterly*. Vol 72, no 3 (October), pp. 467-497.
- Using Web of Science I found 2 citations for this article. They are:

1. Kim, G., & Yu S. Y. (2011). An exploratory study to develop an alternative model of public library management using the Institute of Museum and Library Services' public library statistics. *Library Quarterly*, 81(4), 359-382. doi: 10.1086/661656

2. Young, A. P. (2006). Library quarterly management literature. *Library Quarterly*, 76(1), 58-80. doi: 10.1086/504345

I found one more citation using the feature to search citations in all of ProQuest's databases.

3. Lyons, R. (2007). Unsettling scores: An evaluation of Hennen's Annual Public Library Ratings. *Public Library Quarterly*, 26(3-4), 49-100. doi: http://0-dx.doi.org/www.consuls.org/10.1300/J118v26n03_04

Google Scholar lists 6 cited articles. The following articles were not duplicated in other sources:

4. Young, A., & Peters, T. (2003). Management information systems in libraries. *Encyclopedia of library and information science*, 1748-1756.

5. Spindler, T. (2009). Statistical analysis models: Applications for libraries. *Library Leadership and Management*, 23(1), 12-16.

6. Brannon, S. (2011). National Public Library Statistics: A Literature and Methodology Review, 1999-2009. *Library Student Journal*, 6.

References

- Cassell, K. A., & Hiremath, U. (2009). *Reference and information services in the 21st century: An introduction* (2nd ed.). New York: Neal-Schuman Publishers, Inc.
- (n. d.). Google Scholar. Retrieved from: <http://scholar.google.com/schhp?hl=en>
- ProQuest. (2013). ProQuest. Retrieved from: <http://0-search.proquest.com.www.consuls.org/index?accountid=13743>
- Smith, L. C. (2011). Chapter 21: Indexes and Abstracts. In R. E. Bopp & L. C. Smith (Eds.), *Reference and information services: An introduction* (4th ed.) (pp. 613-636). Santa Barbara, CA: Libraries Unlimited.
- Thomson Reuters. (2013). Web of Science: Cited Reference Search. Retrieved from: http://0-apps.webofknowledge.com.www.consuls.org/WOS_CitedReferenceSearch_input.do?product=WOS&SID=2BI4mk1AC@7NMFIf5J8&search_mode=CitedReferenceSearch
- University Library, University of Illinois at Urbana-Champaign. (2012, September 5). Citation analysis. *learn insider's guide to the library*. Retrieved from: <http://www.library.illinois.edu/learn/research/citationanalysis.html>