

Big Data 2.0: Critical Roles for Libraries and Librarians

Sheila Corrall, University of Pittsburgh, Pittsburgh, PA, USA

References

- Eggers, W. D., Hamill, R., & Ali, A. (2013). Data as the new currency: Government's role in facilitating the exchange. *Deloitte Review*, 13, 18-31. Retrieved from http://mobile.deloitte.wsj.com/riskandcompliance/files/2013/11/DataCurrency_report.pdf.
- Fister, B. (2015, March). Big data or big brother? Data, ethics, and academic libraries. *Library Issues*, 35(4),
- Lyon, L., & Brenner, A. (2015). Bridging the data talent gap: Positioning the iSchool as an agent for change. *International Journal of Digital Curation*, 10(1), 111-122. doi:10.2218/ijdc.v10i1.349. Retrieved from <http://www.ijdc.net/index.php/ijdc/article/view/349>.
- Pryor, G. (2012, February 6). *Re-skilling for research – observations on an RLUK report*. Edinburgh: Digital Curation Centre. Retrieved from <http://www.dcc.ac.uk/news/re-skilling-research-observations-rluk-report>.
- Rundle, H. (2015, February 1). A measured approach [Blog post]. Retrieved from <https://www.hughrundle.net/2015/02/01/measured-approach/>.

Bibliography

- Bertot, J., Butler, B., & Travis, D. (2014). Local big data: The role of libraries in building community data infrastructures. *dg.o 2014: Proceedings of the 15th Annual International Conference on Digital Government Research* (pp. 17-23). New York: ACM. doi:10.1145/2612733.2612762.
- Bieraugel, M. (2013). *Keeping up with... big data*. Chicago, IL: Association of College & Research Libraries. Retrieved from http://www.ala.org/acrl/publications/keeping_up_with/big_data
- Brigham, T. J. (2016). Feast for the eyes: An introduction to data visualization. *Medical Reference Services Quarterly*, 35(2), 215-223. doi:10.1080/02763869.2016.1152146
- Campbell, D. G., & Cowan, S. R. (2016). The paradox of privacy: Revisiting a core library value in an age of big data and linked data. *Library Trends*, 64(3), 492-511. doi:10.1353/lib.2016.0006. Retrieved from <http://muse.jhu.edu/article/613920/pdf>.
- Carlson, J., & Bracke, M. S. (2015). Planting the seeds for data literacy: Lessons learned from a student-centered education program. *International Journal of Digital Curation*, 10(1), 95-110. doi:10.2218/ijdc.v10i1.348. Retrieved from <http://www.ijdc.net/index.php/ijdc/article/view/10.1.95/383>.
- Clemons, J. (2015). Identifying local hidden data sets: The first step to begin a geospatial data collection. *Journal of Map & Geography Libraries*, 11(1), 5-17. doi:10.1080/15420353.2014.983584.
- Corrall, S., Kennan, M. A., & Afzal, W. (2013). Bibliometrics and research data management services: Emerging trends in library support for research. *Library Trends*, 61(3), 636-674. doi:10.1353/lib.2013.0005. Retrieved from <http://d-scholarship.pitt.edu/18948/>.

- Doucette, L., & Fyfe, B. (2013, April). Drowning in research data: Addressing data management literacy of graduate students. *Paper presented at ACRL 2013, Indianapolis, IN* (pp. 165-171). Retrieved from http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2013/papers/DoucetteFyfe_Drowning.pdf.
- Gordon-Murnane, L. (2012). Big data: A big opportunity for librarians. *Online*, 36(5), 30-34.
- Haendel, M. A., Vasilevsky, N. A., & Wirz, J. A. (2012). Dealing with data: A case study on information and data management literacy. *PLoS Biology*, 10(5), e1001339. doi:10.1371/journal.pbio.1001339. Retrieved from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3362643/>.
- Hoy, M. B. (2014) Big data: An introduction for librarians. *Medical Reference Services Quarterly*, 33(3), 320-326. doi:10.1080/02763869.2014.925709.
- Huwe, T. K. (2014, March). Big data and the library: A natural fit. *Computers in Libraries*, 34(2), 17-18.
- Macy, K. V., & Coates, H. L. (2016). Data information literacy instruction in business and public health: Comparative case studies. *IFLA Journal*, Advance online publication. doi:10.1177/0340035216673382.
- Newton, M. P., Miller, C. C., & Bracke, M. S. (2010). Librarian roles in institutional repository data set collecting: Outcomes of a research library task force. *Collection Management*, 36(1), 53-67. doi:10.1080/01462679.2011.530546.
- Okerson, A. (2013, August). Text and data mining: A librarian overview. Paper presented at IFLA World Library and Information Congress, Singapore. Retrieved from <http://library.ifla.org/252/1/165-okerson-en.pdf>.
- Orcutt, D. (2015). Library support for text and data mining. *Online Searcher*, 39(3), 27-30.
- Reinhalter, L., & Wittmann, R. J. (2014). The library: Big data's boomtown: *The Serials Librarian*, 67(4), 363-372. doi:10.1080/0361526X.2014.915605.
- Tattersall, A. (2016). Big data – what is it and why it matters. *Health Information & Libraries Journal*, 33(2), 89-91. doi:10.1111/hir.12147.
- Teets, M., & Goldner, M. (2013). Libraries' role in curating and exposing big data. *Future Internet*, 5(3), 429-438. doi:10.3390/fi5030429.
- Walters, W. H. (1999). Building and maintaining a numeric data collection. *Journal of Documentation*, 55(3), 271-287. doi:10.1108/EUM0000000007146.