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<http://www.nature.com/nature/journal/v457/n7232/full/nature07634.html>
Significant fact: world-wide 250000 – 500,000 flu-related deaths each year
3. J. Manyika, M. Chui, B. Brown, J. Bughin, R. Dobbs, C. Roxburgh, A. H. Byers. *Big data: The next frontier for innovation, competition, and productivity*, A Report from McKinsey Global Institute, May 2011.
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Significant fact: “By 2018, the United States alone could face a shortage of 140,000 to 190,000 people with deep analytical skills as well as 1.5 million managers and analysts with the know-how to use the analysis of big data to make effective decisions.”
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<http://radar.oreilly.com/2011/06/library-of-congress-twitter-archive.html>, last viewed July 2012.
Significant fact: There is nothing more real-time than twitter... tweets about Presidential debates and such current events (“Arab Spring”)
5. *The Fourth Paradigm: Data-Intensive Scientific Discovery*, Tony Hey (editor), Stewart Tansley (editor) and Kristin Tolle(editor), Microsoft Research (October 16, 2009), ISBN-10: 0982544200,
http://research.microsoft.com/en-us/collaboration/fourthparadigm/4th_paradigm_book_jim_gray_transcript.pdf, last viewed July 2012.
Significant fact: Late Jim Gray’s initiative; First three paradigms: empirical, theoretical, and computational. Fourth: data exploration.