After reading all of the suggested articles, I found that I actually knew very little about Statistics. I thought I had a pretty good idea of what Statistics was from Computer Science and how we write algorithms to sort data and look for key patterns in data, but I never actually studied the data. Computer Science doesn’t actually look critically at the data and what it may be implying. So what I knew of data, was how to manipulate it, not to study it and understand it. In Computer Science, I’ve been exposed to Machine Learning which attempts to look for patterns inside of data. Statistics with Machine Learning could be a very useful combination to pull data and draw interesting conclusions on. The articles and videos showed me how data is very large in today’s world, from 140 terabytes in digital telescopes or 40 billion photos being saved in phone company databases from smart phones or even from apps like Snap Chat. The issue is no longer a deficit of data, but analysis to make sense of the data. From my findings in these articles and videos, this is what Statistics is all about. There was also another very interesting quote I will pull from one of the articles, “Oracle, IBM, Microsoft, and SAP spent over $15 million in data analytics last year.” I did not expect that large of an amount of money to study and analyze big data. No wonder in the articles and videos when select individuals said there is basically unlimited job opportunity for Statistics. I knew from Computer Science that data was a big deal, but I did not expect that high of a dollar amount on the study of the data. Not only is *Statistics* growing, but because data is growing Computer Scienceis growing as well, as stated in the *New York Times* Article, “The wealth of new data, in turn, accelerates advances in computing — a virtuous circle of Big Data. Machine-learning algorithms, for example, learn on data, and the more data, the more the machines learn.” It is actually saddening that as a senior in college I am taking my first Statistics course. I am however on track for a M.S in Operations Research in the next 2-4 years, so I am excited to learning more about Statistics in the future in graduate school. After watching the videos and reading the articles, Statistics not only looks very promising in the future, but actually looks pretty fun. Great articles and video suggestions, I found both enjoyable and educational.

***Sources:***

<http://www.nytimes.com/2009/08/06/technology/06stats.html?_r=0>

<http://www.economist.com/node/15557443>

<http://www.nytimes.com/2012/02/12/sunday-review/big-datas-impact-in-the-world.html>

[***https://www.youtube.com/watch?v=uss7MXcpHaQ***](https://www.youtube.com/watch?v=uss7MXcpHaQ)

[***https://www.youtube.com/watch?v=WMDAR2bZEp0***](https://www.youtube.com/watch?v=WMDAR2bZEp0)