

DATA 115 Week #1 Reading and Discussion

October 26, 2020

1. Please read the paper [50 Years of Data Science](#) by David Donoho.
 - (a) Write a brief paragraph on what aspects of data science are less developed compared to its components fields and how you expect those areas to develop.
 - (b) Find an example curriculum for another data science program (for example MIDS at Duke, Data Science at USF, Data Analytics at Denison, etc.) and compare its course structure to the vision that Donoho presents.
 - (c) Write a short paragraph comparing the content of your chosen degree program to WSU's curriculum. Make sure to address how well you think the programs prepare their respective graduates to perform data analytics tasks in the real world.
2. In your group select and read two of the following (short) blog posts. Write a brief paragraph describing the differences between data, analytics, and insight as defined in the posts that you read. What assumptions do the authors of the blog posts make when compared to the discussion in the Donoho piece?
 - (a) <https://www.morganphilips.com/en/insights/whats-the-difference-between-data-analytics-and-insight>
 - (b) <https://online.ben.edu/programs/mba/resources/data-vs-information-vs-insight>
 - (c) <https://www.strategicdatacentral.com.au/the-difference-between-data-analytics-and-insights/>
 - (d) <https://www.demandsphere.com/blog/whats-the-difference-between-data-analytics-and-insights/>
 - (e) <https://uplandsoftware.com/localytics/resources/blog/difference-between-data-analytics-insight>
3. In your group, select and read two of the following pieces that offer addition perspective on the overlap between statistics and data analytics. Write a brief paragraph comparing their conclusions to those presented by Donoho. Which piece offers the most convincing argument(s)? What evidence did they present that convinced you?
 - (a) <https://statmodeling.stat.columbia.edu/2013/11/14/statistics-least-important-part-data-science>
 - (b) <https://projecteuclid.org/euclid.ss/1009213726>
 - (c) <http://bactra.org/weblog/925.html>
 - (d) <https://magazine.amstat.org/blog/2011/08/01/prescorneraug11/>
 - (e) <https://flowingdata.com/2009/06/04/rise-of-the-data-scientist/>