Spring 2018
CSC 598/688: Introduction to Data Science and Visualization

Open to Graduate and Senior Undergraduate students of All Departments

Instructor: Dr. Mahsa Mirzargar (mirzargar@cs.miami.edu)

Time: Tu/Th 8:00am-9:15am, Place: Mahoney/Pearson Com 118

Prerequisite: A basic skill set in mathematics (MTH210 or equivalent) and programming (“A” in CSC220 or equivalent) is required.

Topics Covered:
- **Exploratory Data Analysis:** data interaction, visual encodings, visual perception, color mapping
- **Basics of Probability and Statistics:** hypothesis testing, statistical inference
- **Modeling:** basics of supervised and unsupervised learning, dimensionality reduction, mixture models
- You also gain experience with **Python** (knowing Python is a plus but not required). You just need to be willing to learn 😊

[Drew Conway's Venn diagram of data science]