

What's Data Science

▼ Week 2

▼ Big Data and Data Mining

- The “V’s” of Big Data
 - Velocity.
 - Volume.
 - Variety.
 - Veracity.
 - Value.
- **Reading: Reading Data Mining1.pdf**
- Summary:
 - How Big Data is defined by the Vs: Velocity, Volume, Variety, Veracity, and Value.
 - How Hadoop and other tools, combined with distributed computing power, are used to handle the demands of Big Data.
 - What skills are required to analyse Big Data.
 - About the process of Data Mining, and how it produces results.

▼ Deep Learning and Machine Learning

- **Reading: Reading Regression.pdf**
- Summary:
 - The differences between some common Data Science terms, including Deep Learning and Machine Learning.
 - Deep Learning is a type of Machine Learning that simulates human decision-making using neural networks.
 - Machine Learning has many applications, from recommender systems that provide relevant choices for customers on commercial websites, to detailed analysis of financial markets.
 - How to use regression to analyze data.