

Data science:

- Analyzing and computing data
- Extracting information from data, often using CS

Machine learning:

- Algorithms that allow a computer to think and process information in a way similar to our own brain
- Code that thinks like a human

Artificial intelligence:

- Could be viewed as a computer doing data science
- Code doing like a human

Both AI and ML have a Venn diagram relation with DS, however all of ML is AI, but not all of AI is ML

