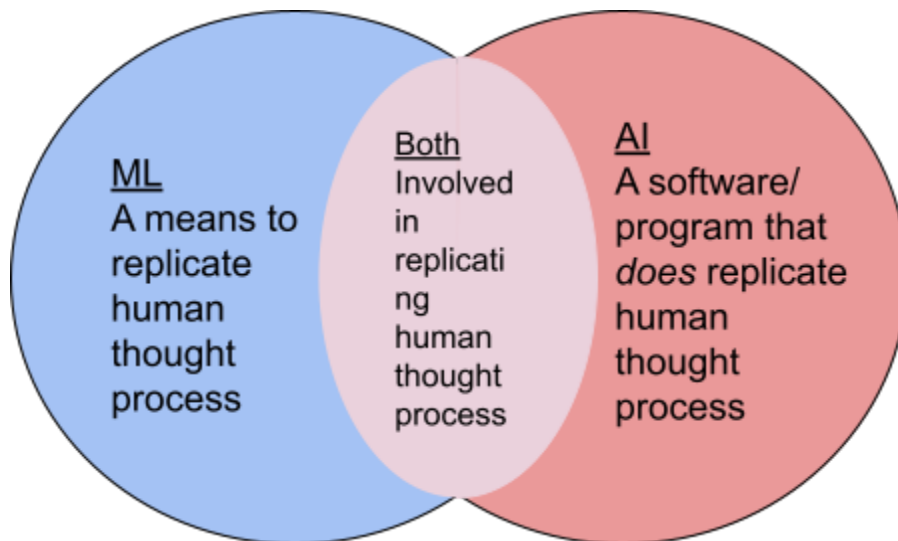**First Motion: Data Science is/is not a synonym for Artificial Intelligence**

- **Data Science Definition:**
    - The use of scientific methods to obtain useful information from computer data, especially large amounts of data.

- **Artificial Intelligence Definition:**
    - A software designed to imitate aspects of intelligent human behavior.

Second Motion: Machine Learning is/is not a synonym for Artificial Intelligence

- Both have the same end goal of replicating the human thought process.
- The only way to have a program that thinks like a human (AI) is with machine learning.
- Machine learning vs rule learning

ML
A means to replicate human thought process

Both
Involved in replicating human thought process

AI
A software/ program that *does* replicate human thought process

Third Motion: Machine learning is/is not a synonym for Data Science

- **Machine Learning Definition:**
  - Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy.

ML

A type of data manipulation to replicate human thought process

Both

-Require data
-Involved in/ related to AI

DS

The use of scientific methods to obtain useful information from computer data, especially large amounts of data.