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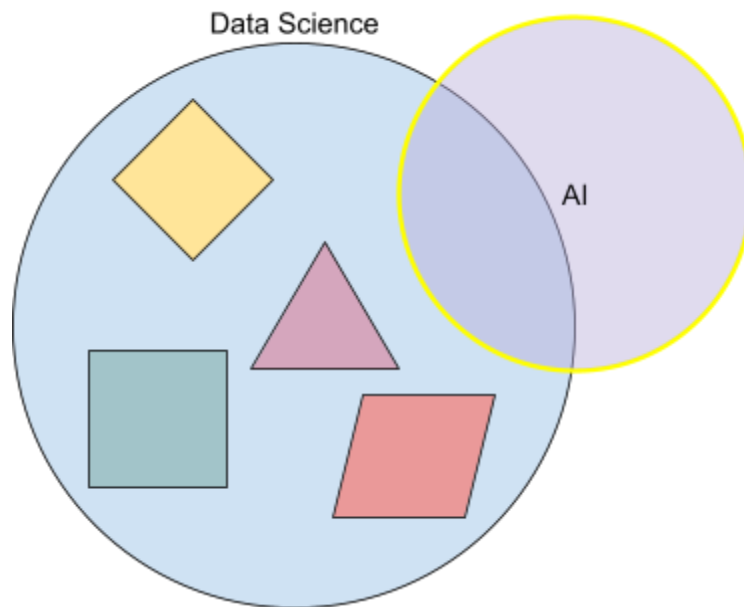
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Intro to AI and ML

1. Data Science

- a. Analyze and compute data
- b. Extracting statistics from data
- c. Generates meaning from data
- d. "The use of scientific methods to obtain information from computer data"

2. Relationship between AI and Data Science



a.

3. Artificial Intelligence

- a. A field of study in computer science that involves the development and study of "intelligent" machines.
- b. Designed to mimic human functions
 - i. Reasoning
 - 1. Should be able to reason through problems and use problem-solve skills
 - ii. Knowledge Representation
 - 1. Should be able to make deductions or conclusions and apply its knowledge to problems
 - iii. Planning
 - 1. Should be able to plan and make decisions based on logic
 - iv. Learning
 - 1. Should be able to learn from mistakes and successes

- v. Language
 - 1. Should be able to process and identify languages.
 - 2. Can identify patterns in human speech
- vi. Perception
 - 1. Can identify patterns and can make predictions based on patterns
- 4. Machine learning
 - a. A field of study housed in the main field of Artificial Intelligence that focuses on learning from data and can perform tasks without explicit instructions
- 5. Relationship between AI, Data Science, and Machine Learning

