

What is ML?

- study of algorithms and statistical models to perform a **task** without **explicit instructions**

What is Data Mining?

- discovering patterns in large datasets
- mix of cs and stats, goal of extracting info and structure of data

ML vs Data Mining?

- ML learning tools are evaluated based on ability to reproduce known knowledge
- Data mining is focused on discovering previously unknown knowledge

Data Mining vs Data analysis?

- Data analysis: testing models on dataset
- Data Mining: finding hidden patterns in large num of data
 - dont necessarily need to know what youre looking for

Problems in ML

- Consider your data: Continuous or discrete?
- Classification or Regression?
- Abundant or Rare (sparse)?
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