CSE 151A
Intro to Machine Learning

Lecture (-1) – Part 01
What is Machine Learning?

Final Exam Redemption

Please reach out if you're feeling overwhelmed

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Today

1. Recap
2. How did you get into ML/DS?
3. Do I need an MS/PhD to get a job in ML?
4. How do I start an ML project?
5. What is the difference between AI/ML/Stats/DS?
6. Thank you

What is Machine Learning?

▶ Before: Computer is **told** how to do a task.

▶ Instead: **learn** how to do a task using data.

What is Machine Learning?

▶ Before: Computer is **told** how to do a task.

▶ Instead: **learn** how to do a task using data.

▶ We still have to **tell** the computer how to learn.

What is Machine Learning?

A **machine learning algorithm** is a set of precise instructions telling the computer how to learn from data.

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Spoiler: the algorithms are usually pretty simple. It's the **data** that does the real work.

What is Machine Learning

- ▶ We have learned different ways of formulating classification, regression, clustering, etc.

- ▶ Knowing how a method is formulated helps you understand which methods should be used and how.

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Lecture (-1) – Part 02

How did you get into ML/DS?

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Lecture (-1) – Part 03
Do I need an MS/PhD to get a job in ML?

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Lecture (-1) – Part 04

How do I start an ML project?

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Lecture (-1) – Part 05
What is the difference between AI/ML/Stats/DS?

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Lecture (-1) – Part 06
Thank you