

Admin

Assignment 8

Use the hand-example to test your code

Final project posted

Midterm 2 (posted 11/10, due 11/14)

cover gradient descent (9/23) through deep learning (10/28)

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What is "big data"?

What are some sources of big data?

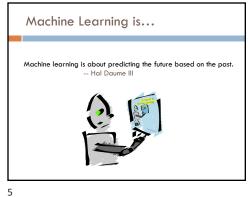
What are the challenges of dealing with big data?

What are some of the tools you've heard of?

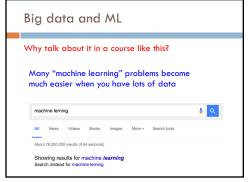
Big data and ML

Why talk about it in a course like this?

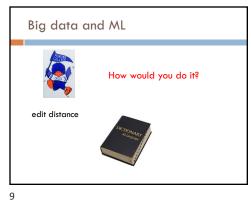
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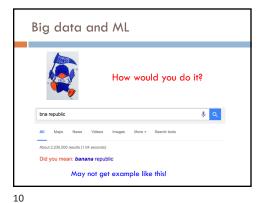


Machine Learning is... Machine learning is about predicting the future based on the past. -- Hal Daume III If the "past" has lots of data, then we need tools to process it!

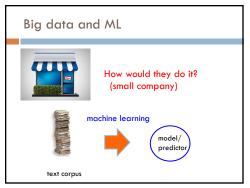


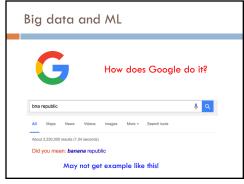


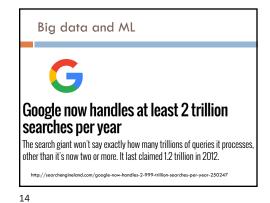




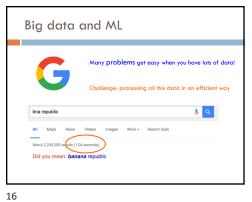












## Big data and ML

For this class, we'll look at Hadoop

It is **one** framework for processing massive amounts of data

Many frameworks exist, but most share a similar property: have to think about how to parallelize/distribute processing