

	Admin
	Assignment 8
	Assignment 9
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Big Data

What is "big data"?

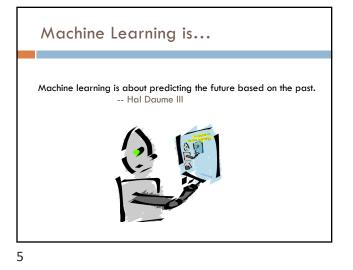
What are some sources of big data?

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?

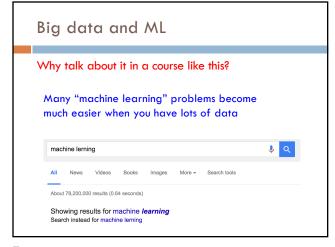


Machine Learning is...

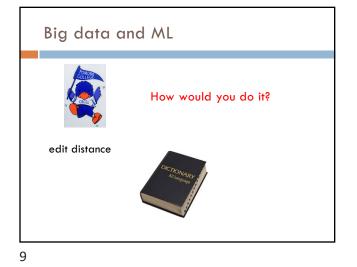
Machine learning is about predicting the future based on the past. -- Hal Daume III

If the "past" has lots of data, then we need tools to process it!

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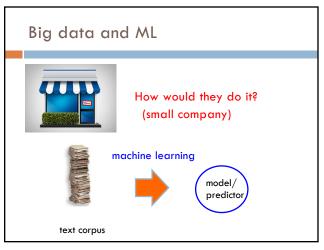






Big data a	nd ML
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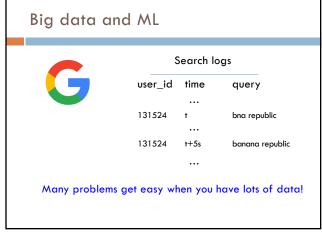


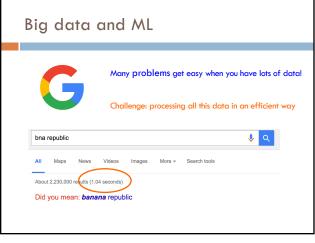


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Big data and ML Google now handles at least 2 trillion searches per year The search giant won't say exactly how many trillions of queries it processes, other than it's now two or more. It last claimed 1.2 trillion in 2012. http://searches.per.year.250247

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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