



# Data Science 101: Cleaning/Visualizing Data

## Lecture 2

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Data Science Decal

Hosted by Machine Learning at Berkeley

## Agenda

Questions or Concerns

Outline

Tools & Techniques

Motivation

Questions

## Questions or Concerns

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Any questions or NON-ENROLLMENT issues or anything before we begin?

# Outline

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- Data is really powerful - it can help explain many phenomena
- Today, we're gonna take a look at how data can help elucidate some real-world questions
- We will go through a full end-to-end experience in python, from question to results, so you can get a feel for how we would frame a data science problem

## **Tools & Techniques**

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- pandas
- matplotlib
- datetime
- few other python tricks
- feel free to stop me any time to ask questions (or tell me I'm going too fast)



# Motivation

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- Like many, I was curious in last year's election results
- I didn't fully understand some parts, and I wanted more answers that could explain the campaign
- What's one real-world phenomenon that greatly impacts campaign results? campaign donations. Let's explore that (click here to follow along)

## Questions

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Questions?