

# Lab 1

Everything Data  
CompSci 216 Spring 2020



**DUKE**  
COMPUTER SCIENCE

# Announcements (Jan. 27)

- HW 1 **was due** by the **start of class** (4:40 pm). If you forgot, today only you have a grace period of the next 15 minutes to submit on gradescope.
- Project groups are due Wednesday, Feb. 4. You just need to submit a group assignment on gradescope that includes the names, netIDs, and class rank (first, second, third, or fourth year) of all of your group members.
- Data+, CS+, Code+ applications still rolling.

# Today in Lab

- In HW 1, you:
  - Practiced some powerful tools (regular expressions and Pandas + Python), and
  - Wrangled some messy and complicated data to perform exploratory data analysis.
- Today in lab, you will continue wrangling the congressional member data to answer some richer questions.

# Lab 1 Exercise

- Get into a group of 4-5. Today you can choose your group (in the future, we will start assigning random groups).
- Go to the course website:  
<https://sites.duke.edu/compsci216s2020/> and click on the course Box folder. Navigate Lab → Lab1 and download lab1.ipynb.
- Open Anaconda navigator → Jupyter notebook → lab1.ipynb, and solve the lab together as a group.
- When you finish (or before class ends), submit to gradescope (remember, download to .pdf AND to .py. Submit the **.pdf under lab0 report** and the **.py under lab0 code**. Submit **one of each per group** using the group submission feature on gradescope.