As the plot[ly] thickens...
WHY ARE GRAPHS USEFUL?
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- Tell a story
- Explore data
- Allow audiences to better understand your results
- Provide another way to communicate information
• Choose an appropriate chart type to display information
  • Bar Chat
    • Comparing types across a specific category
  • Line Graph
    • Plot data that change with regard to a continually increasing variable (often time)
  • Scatter Plot
    • Displaying connections between two or more numerical values
  • Other?
• Plot data: use color, text, and presentation choices to enhance your ability to communicate
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PLOTLY: WHAT WE’LL BE USING FOR THIS COURSE

• Powerful library supported by many languages (javascript, r, python)
• Check out the documentation: https://plot.ly/python/
• Integrate with pandas! : https://plot.ly/pandas/
PLOTLY: HOW TO INSTALL

pip3 install plotly

pip3 install plotly --upgrade
import plotly.graph_objs as go
import plotly.offline as plot

... # a Figure object must take a Data object
# (and optionally a Layout object)
NOTE: when looking at examples online:
iplot() is for the interactive shell
plot() is for running your normal .py programs
(so, just use the one that makes sense for you)
REAL-TIME CODING
LAB TIME