

INTRO TO PYTHON FOR DATA SCIENCE

Joseph Nelson, Data Science Immersive


AGENDA

- Introduction (confirm install)
- What Python is, what open source means
- Fire up Jupyter Notebook and to
 - 1.) Read in data with Pandas
 - 2.) Conduct filtering, sorting, missing values
 - 3.) Complete four independent exercises along the way

“ ”

All models are wrong. Some are useful.

— George Box, 1978

- Co-Founder, CEO 
- **From:** Des Moines, Iowa
- **Influences:** Marc Andreessen & Ben Horowitz, Zuckerberg (sometimes), Andrew Ng, Rachel Thomas
- **Likes:** Hockey, SaaS, bad data science puns, running



YOU

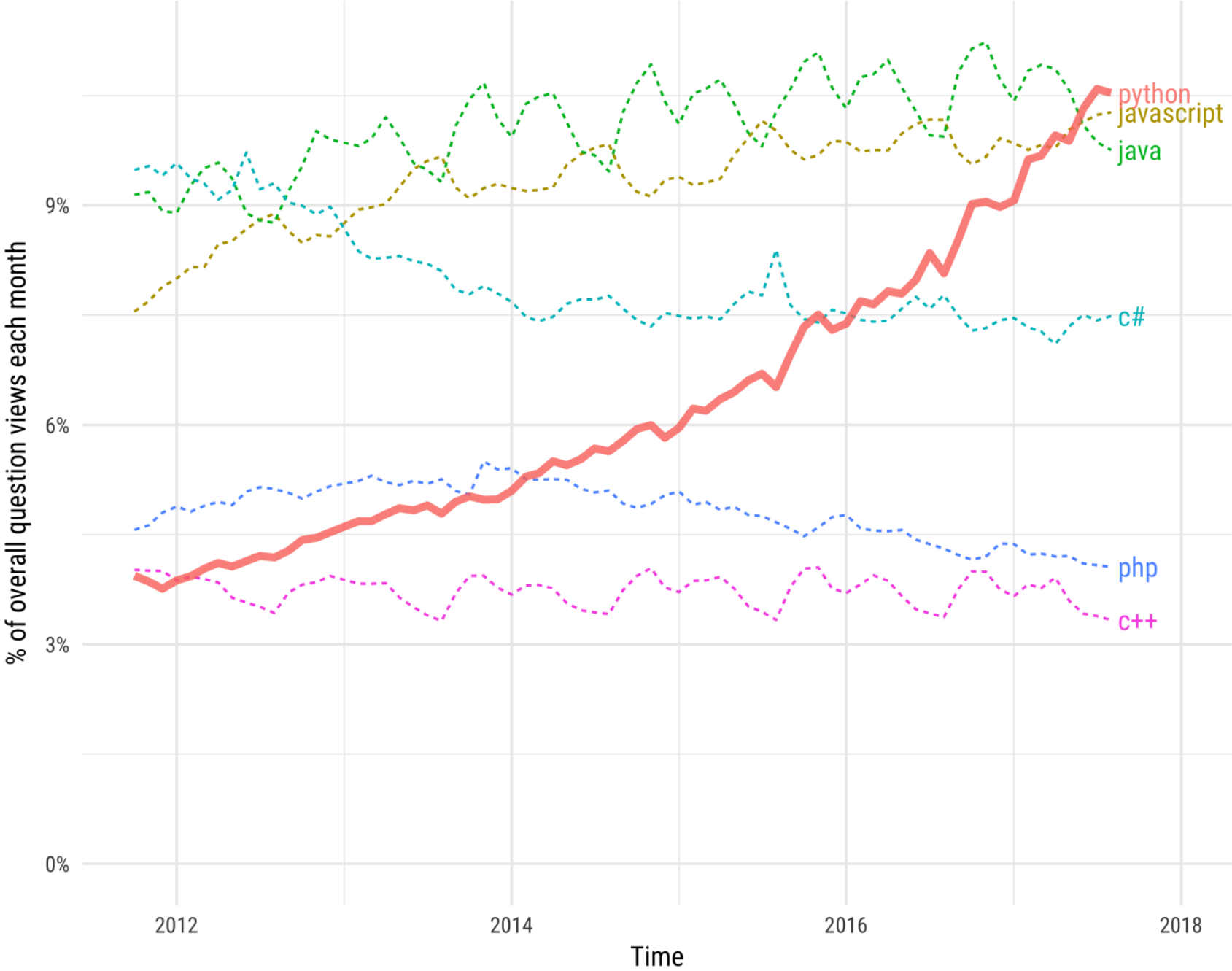
- YOU
- Name
- Python exposure (0 to 5)
- Favorite tech company
- Why you want to learn to code (relevant to current job?)

WHAT IS PYTHON?

- When you hear Python, what do you think?

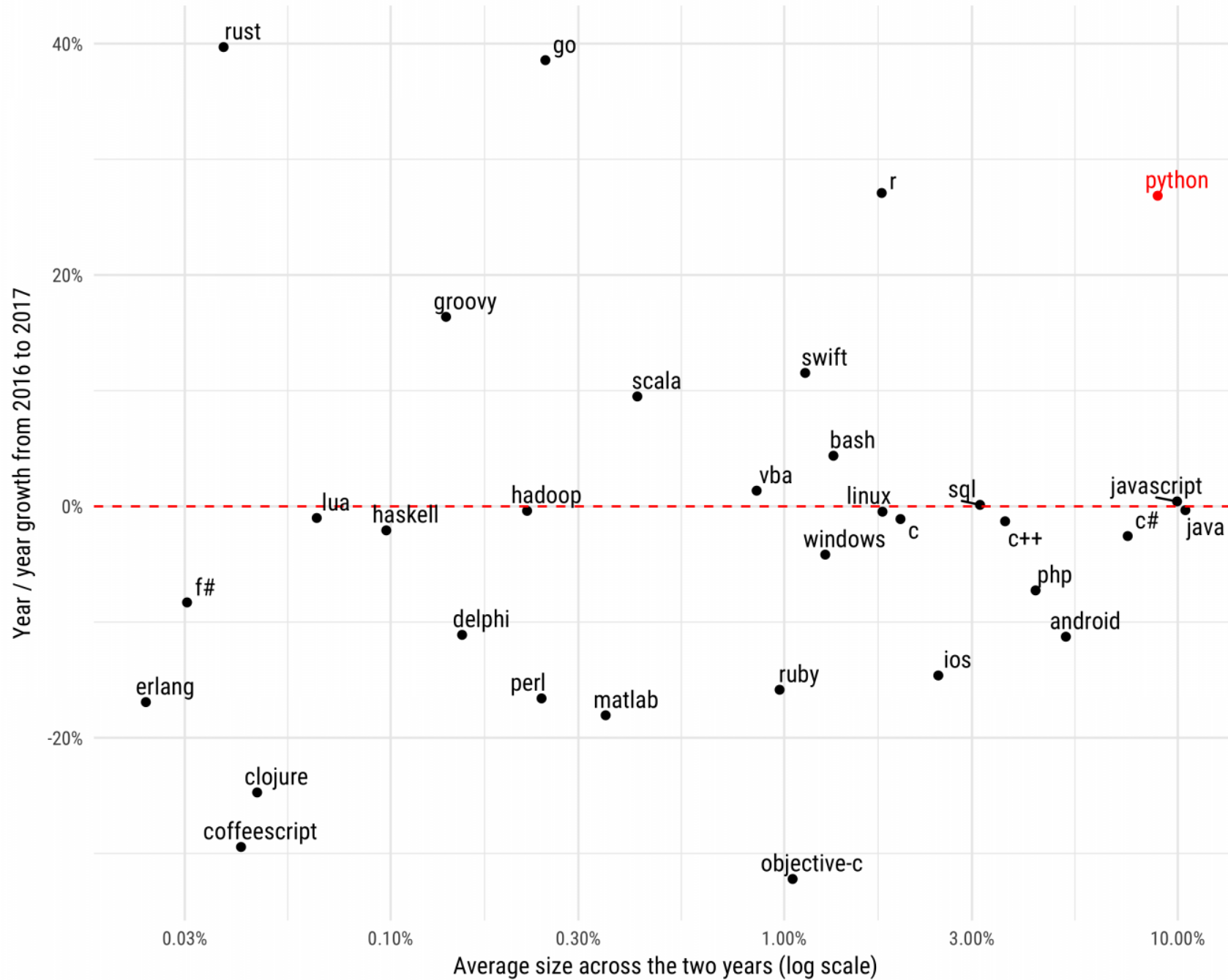
Growth of major programming languages

Based on Stack Overflow question views in World Bank high-income countries



Year over year growth in traffic to programming languages/platforms

Comparing question views in January-August of 2016 and 2017, in World Bank high-income countries.
TypeScript had a growth rate of 142% and an average size of .36%; and was omitted.



NEXT STEPS

- Keep in touch!
- www.josephofiowa.com/entropy
- If you like data, checkout:
 - Part-time Data Science
 - Data Science Immersive



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