

Python Data Visualisation Workshop

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What you can expect today



Why Python?

- Easy to learn
- Lots of online support
- In demand skill
- Pretty good for data

WHY DATA VISUALISATION?

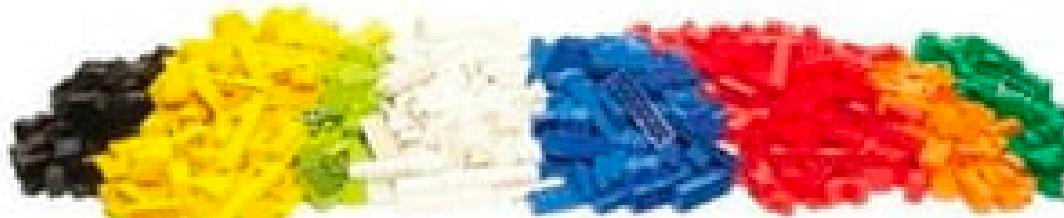
**1 PICTURE
1,000 WORDS
1,000,000* DATA POINTS**

05

DATA



SORTED



ARRANGED



PRESENTED
VISUALLY



IT'S ALL ABOUT THE STORY

(BUT THIS IS KINDA OVER THE TOP THOUGH...)

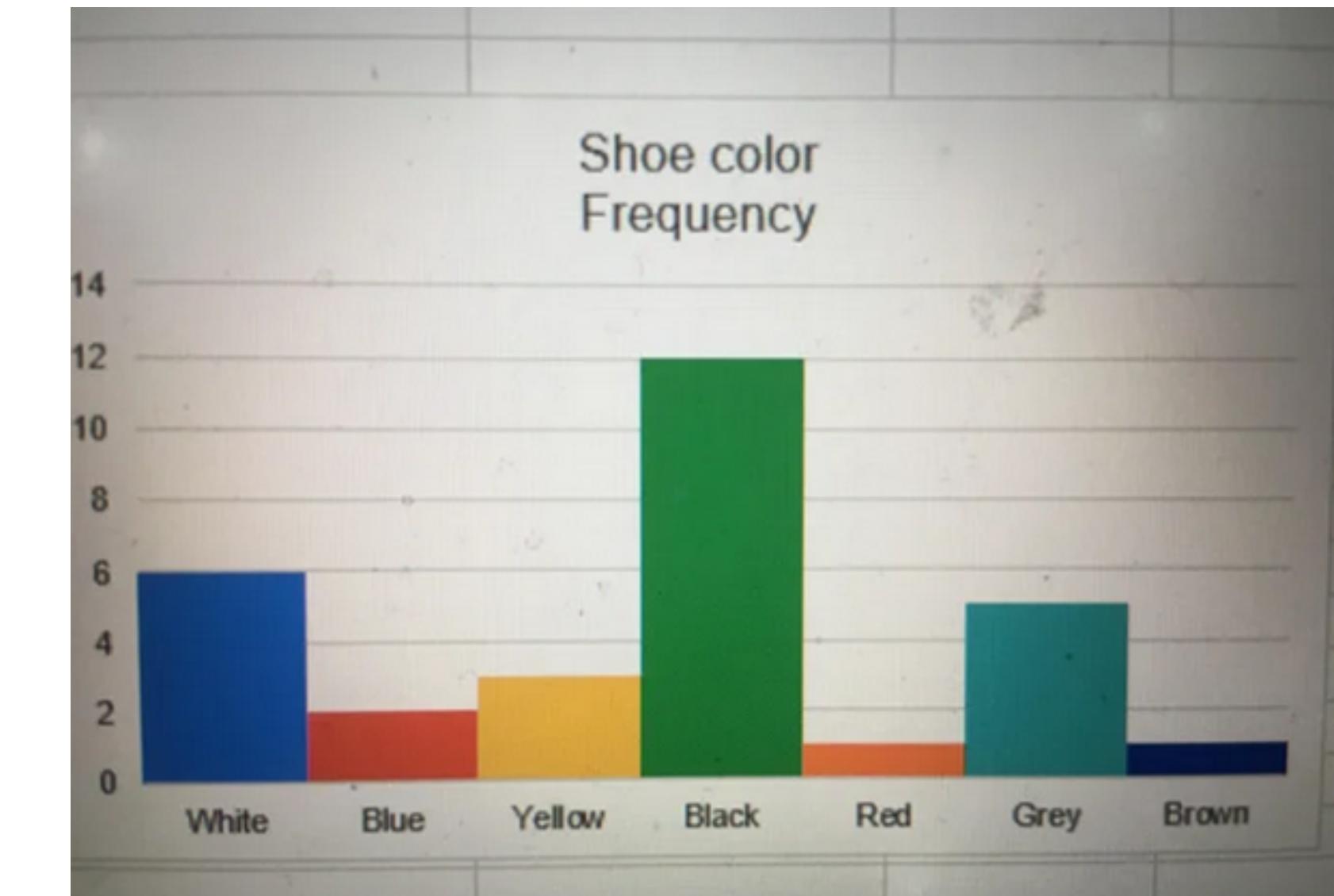
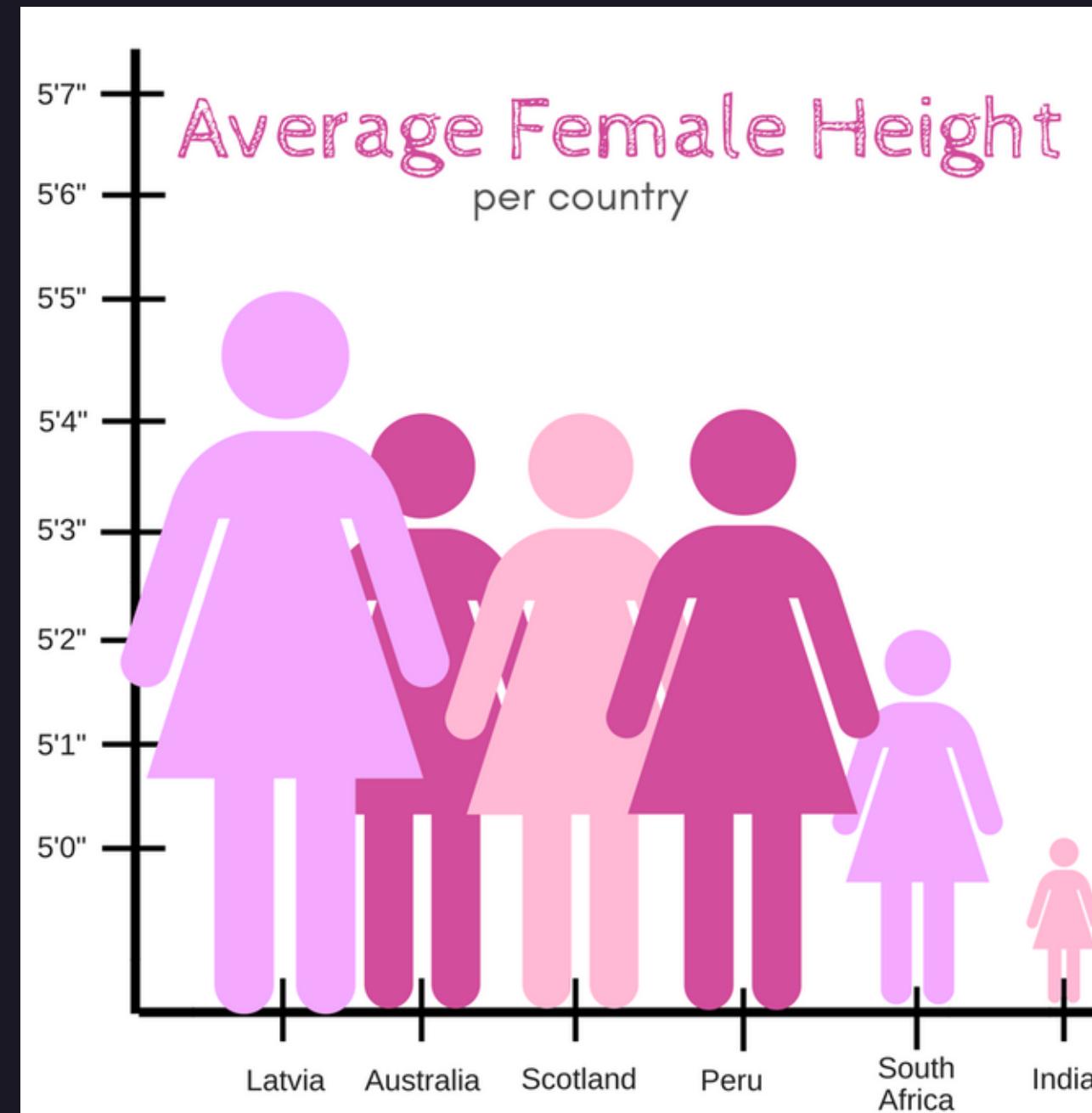
EXPLAINED
WITH A STORY



ACTIONABLE
(USEFUL)

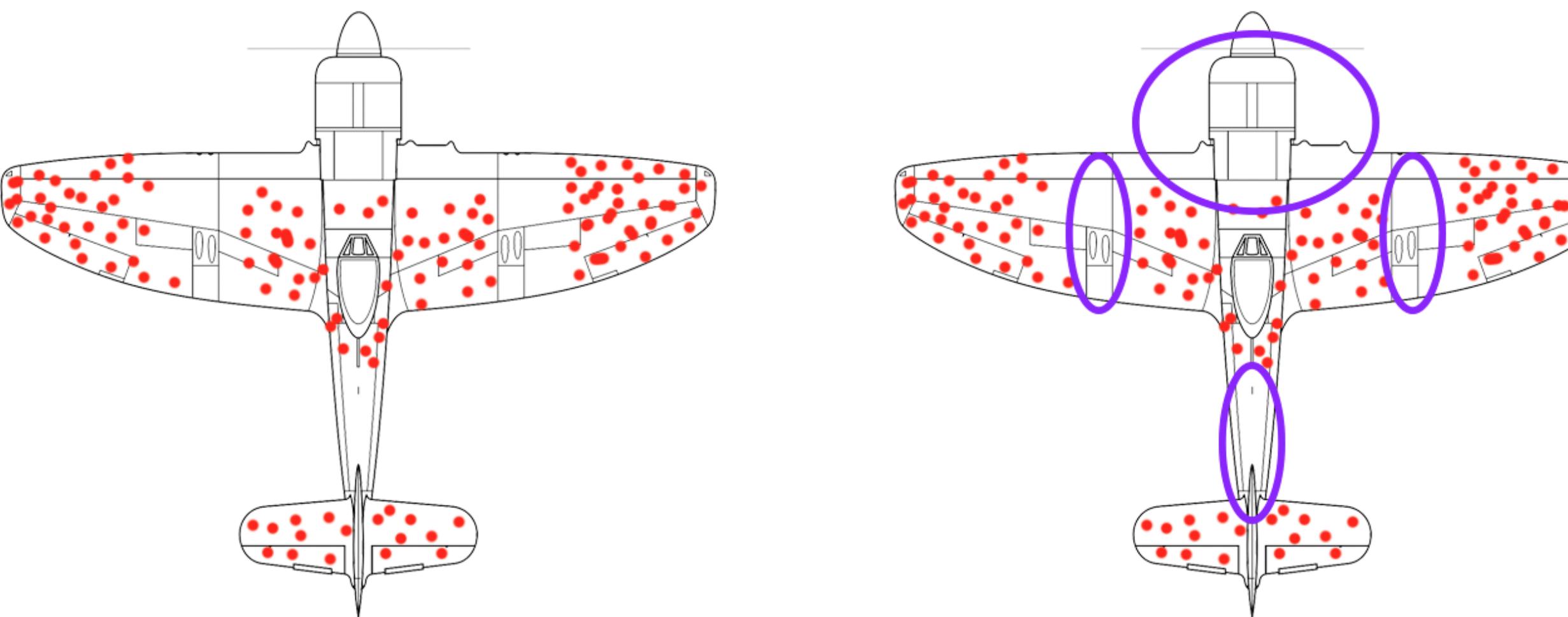


WHAT NOT TO DO



[More funny stuff here on this tweet!](#)

SO WHY DOES STORY AND CONTEXT MATTER?

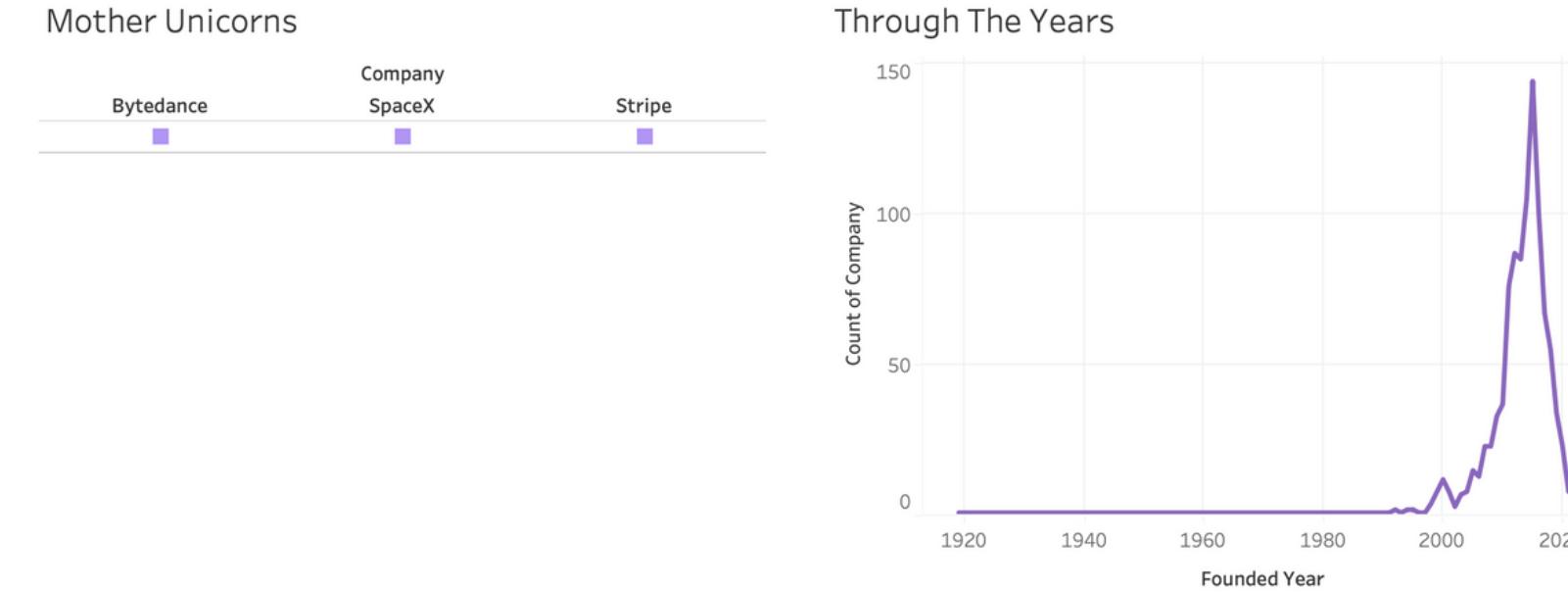
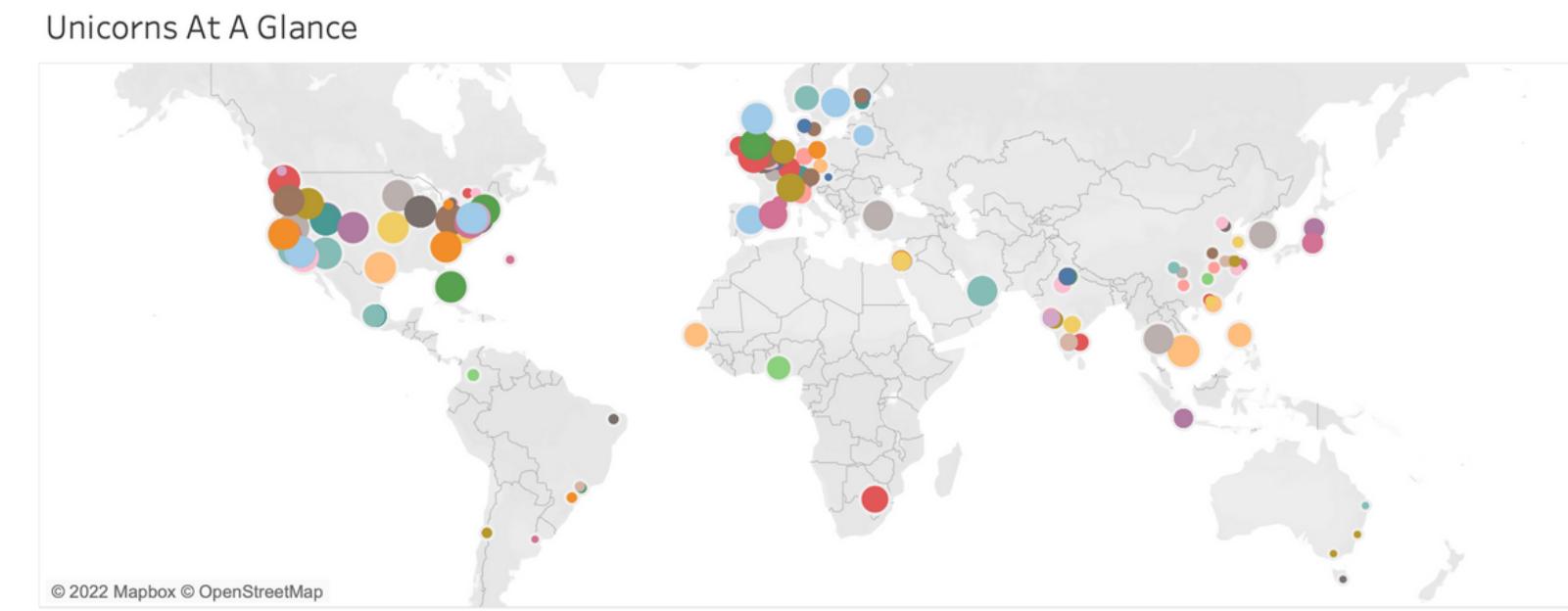


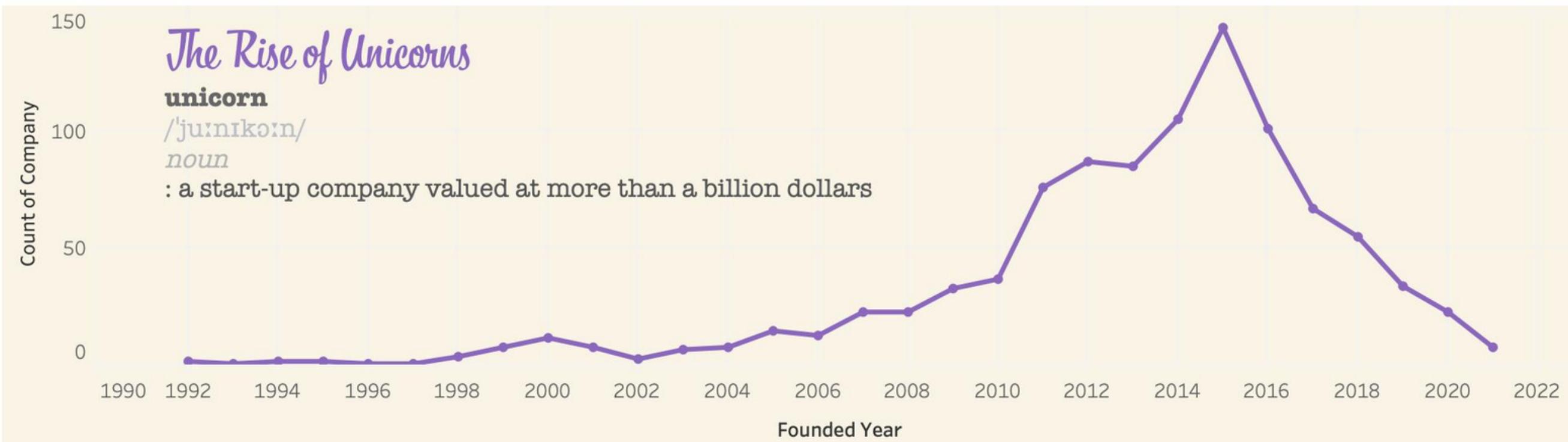
AKSHAYA'S TIPS

1. Use colours thoughtfully
2. Keep your viewer's attention
3. Catchy easy to understand title
4. Storyboard your visualisations

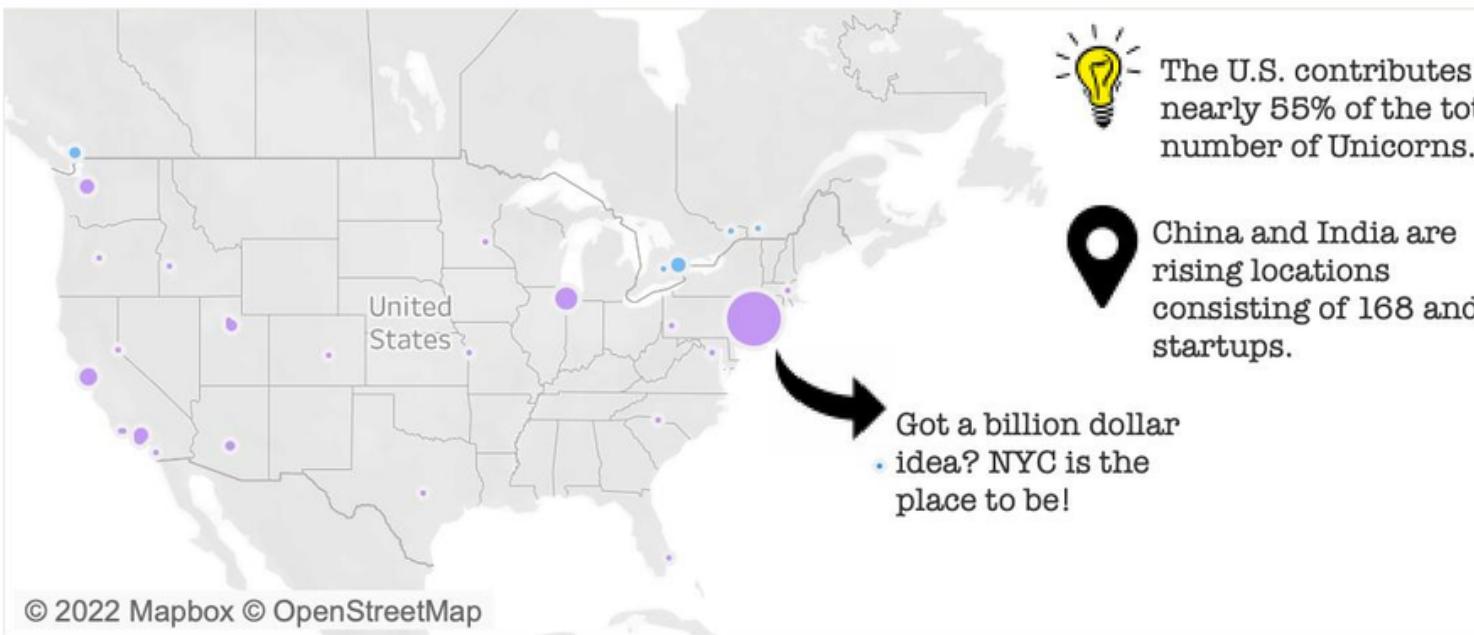
STORYBOARDING AND DRAFTING IS IMPORTANT

BEFORE:

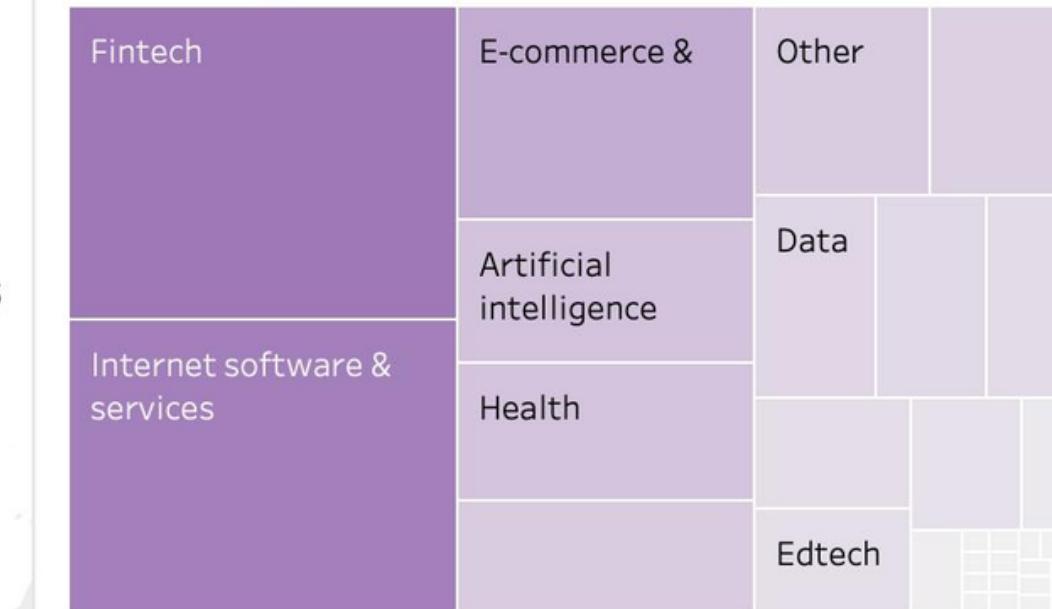




Where Do Unicorns Thrive?



Leading Industries



1920

was when Otto Bock Healthcare was established making it one of the oldest unicorns in history. As of 2017, the company valuation is 3520 million.

\$140 Billion

is the current valuation of Bytedance, parent company of tiktok, the largest unicorn in the world closely followed by SpaceX at \$100B and Stripe at \$93B.



NOW IT'S YOUR TURN

bit.ly/pyviz-bootcamp

Access the Jupyter Book

Spin up a Google Colab

Run the code!

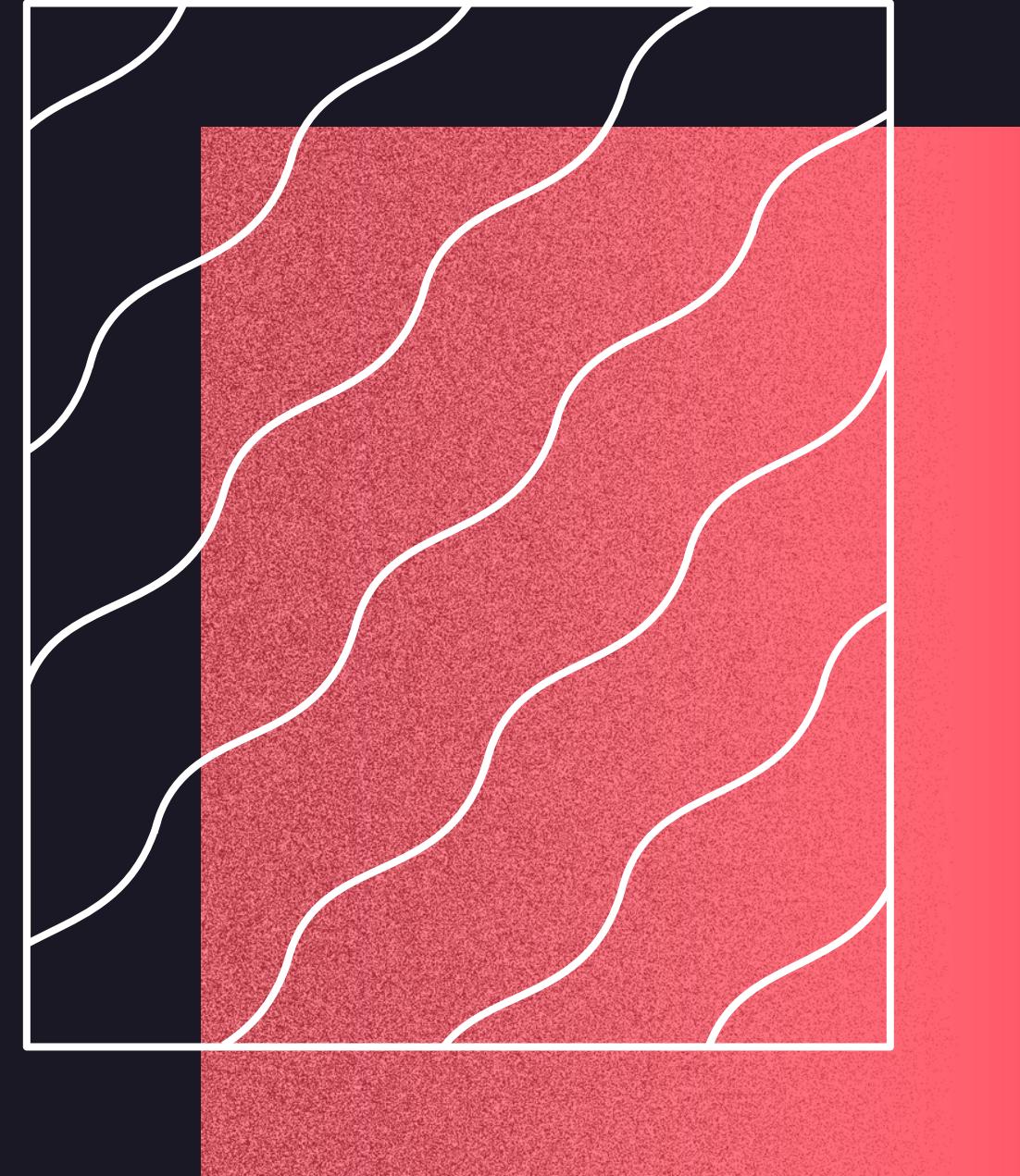
THINGS TO KEEP IN MIND

Google, docs & GitHub are your friends!

Legit things to Google:

- The error message
- The function name
- What you are trying to do
 - python matplotlib barchart
 - seaborn pie chart
- Cheatsheets & plotting cookbooks/recipes
- Other Python coding resources





NEXT STEPS

Save a copy of your notebook for safekeeping in Google Drive or locally on your computer.

Take to LinkedIn and tag me @Danny Ma with your fav viz!

Consider checking out my other SQL resources also:

- datawithdanny.com
- 8weeksqlchallenge.com
- [Free SQL Masterclass GitHub Course](https://github.com/danny-ma/Free-SQL-Masterclass)