



CPSC 392

Chelsea Parlett-Pelleriti

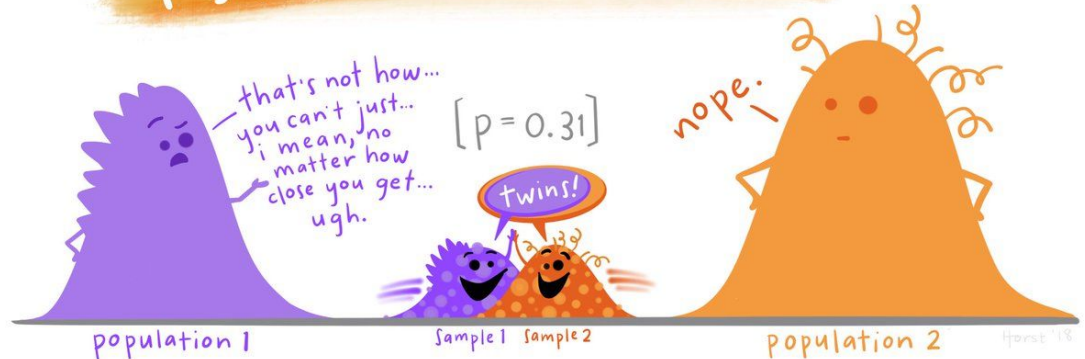


Who is this person?

Prof. Chelsea Parlett-Pelleriti
(she/her)



TYPE II ERRORS:



Who is this person?



CC

CRASH COURSE INSTRUMENTS

CC-STATISTICS PLUS

WHAT IS STATISTICS?

WHAT IS STATISTICS????????????????????

STAT # 1



A network graph illustrating relationships between 25 individuals. The nodes are represented by grey circles, and the edges are dashed lines. The graph is divided into several clusters. The top-left cluster includes Hayley, Eyal, AlexM, Megan, Wes, CharlieF, LauraA, Paul, JackFo, and LauraC. The top-right cluster includes Stephanie, JoshM, Dani, and Jack. The bottom-left cluster includes CharlieB, EllieB, Grace, AlexG, Frankie, Samira, Sam, EllieJ, Georgia, Niall, JoshD, and Kazimir. The bottom-right cluster includes Zara, Adam, Darryle, Rosie, and Kendall.



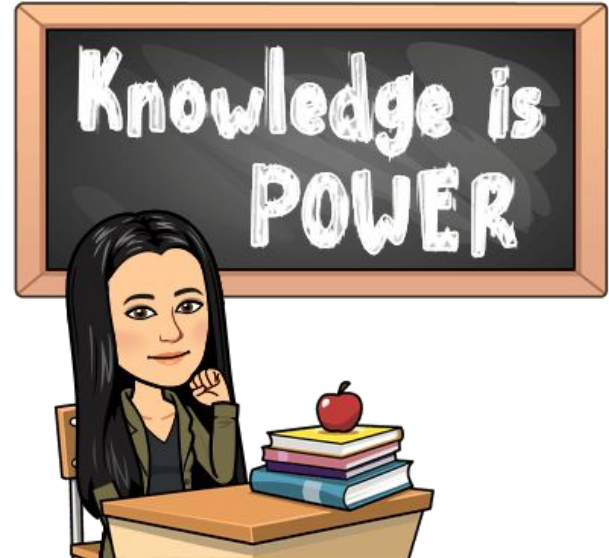
What did you want to be
when you were 5?

PolleEv.com/chelseaparle988

Course Admin

Zoom

- Make your zoom picture you, or a Bitmoji of you
- Turn video on (optional)
- Use chat!



What to Expect

- GitHub
- Canvas
- Flipped Class
- In Class/Quizzes
- Homework
- Tests
- Projects
- Office Hours
- Streaming Reviews?
- Content (we'll get to that in a sec)

Grade Breakdown

- **Homeworks** (25%)
- **Quizzes** (15%; Weekly, drop 2 lowest)
- **Exam 1** (20%; Small Project + In Class)
- **Exam 2** (20%; Small Project + In Class)
- **Final Project** (20%; Project + Presentation)

Late Policies

- **Three** 24-hour extensions, no questions asked.
- You **MUST** inform me **BEFORE** the assignment/project is due (Google Form)
- **No late work** other than this.

Misc. Resources

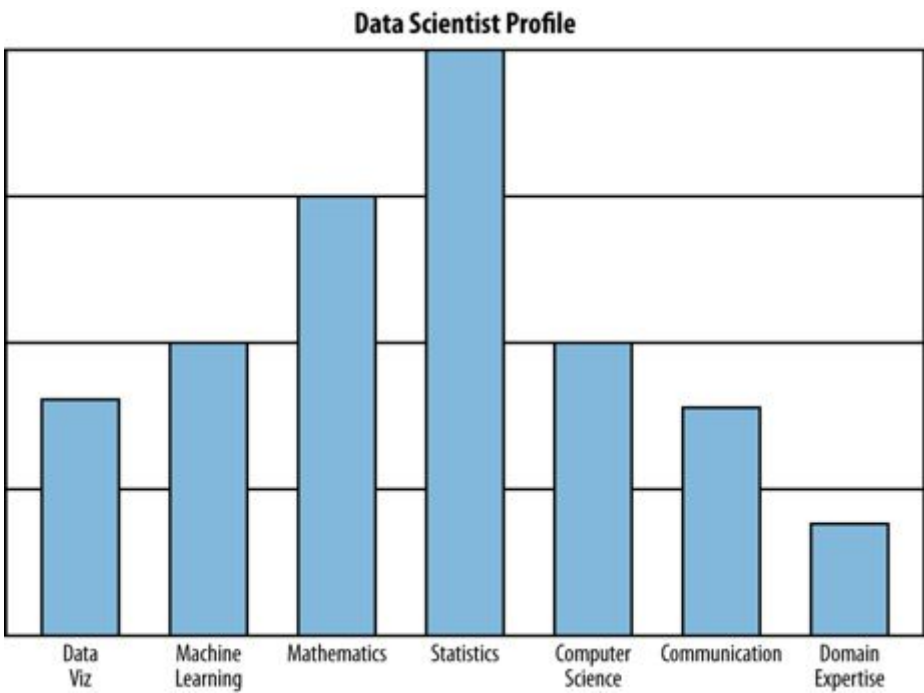
- Chapman [Tutoring Center](#)
- [Test Anxiety](#)
- [StatQuest](#) Videos
- [Pandas](#) Tutorials
- [Plotnine](#) Tutorials
- [sklearn](#) Tutorials
- [Keras](#) Tutorials
- [Jupyter Notebooks](#) download
- [Machine Learning Flashcards](#) (Chris Albon)



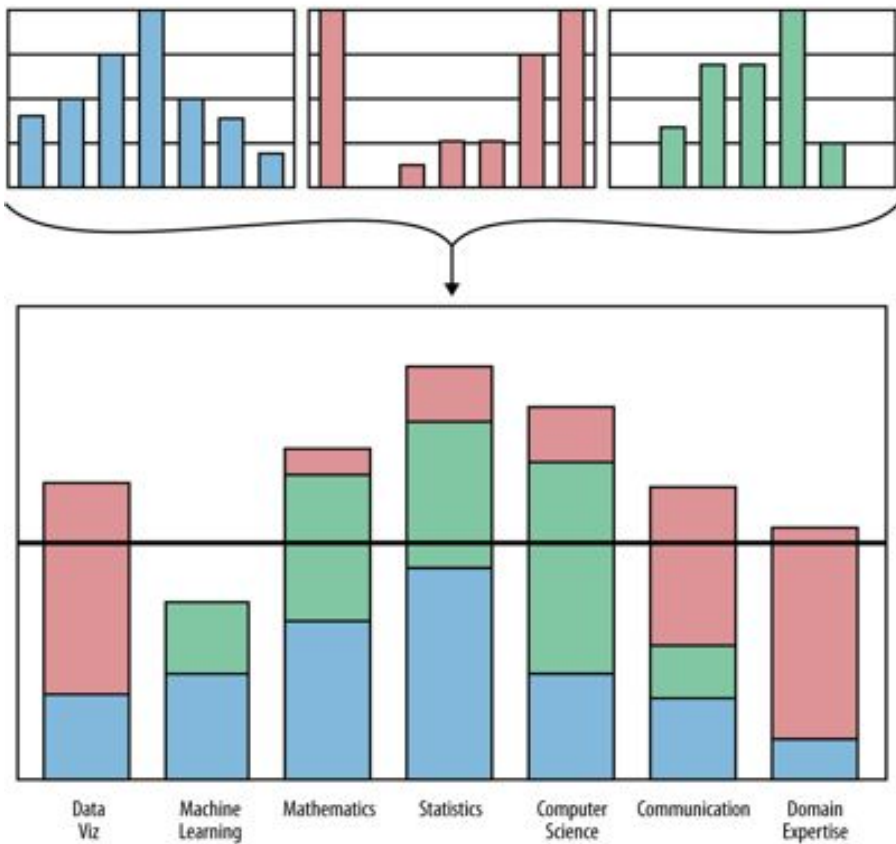
What is Data Science?







No one person can be the perfect data scientist, so **we need teams.**



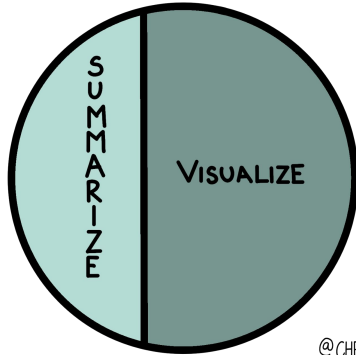
Source: Doing Data Science (O'Neil & Schutt, 2013).

New York City Subway Diagram



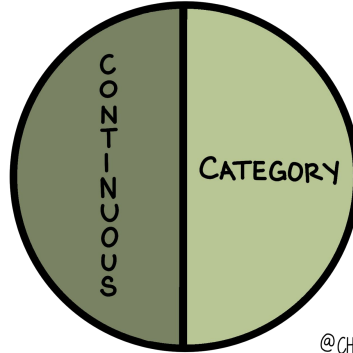
Algorithms

EXPLORE



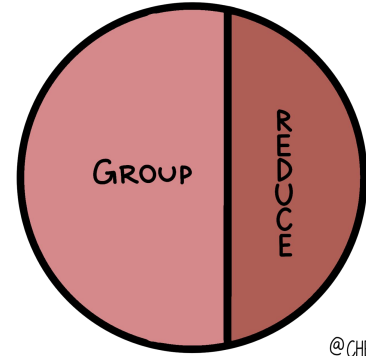
@CHELSEAPARLETT

PREDICT



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SIMPLIFY



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How does Data Science affect the World?

- Ethics
- Communication
- Diversity

Make sure you have python and pip installed!

Pip

Python

AMA