



CPSC 293

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Course Admin

What to Expect

- GitHub
- BlackBoard
- Videos
- In Class
- Homework
- Tests
- Projects
- 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

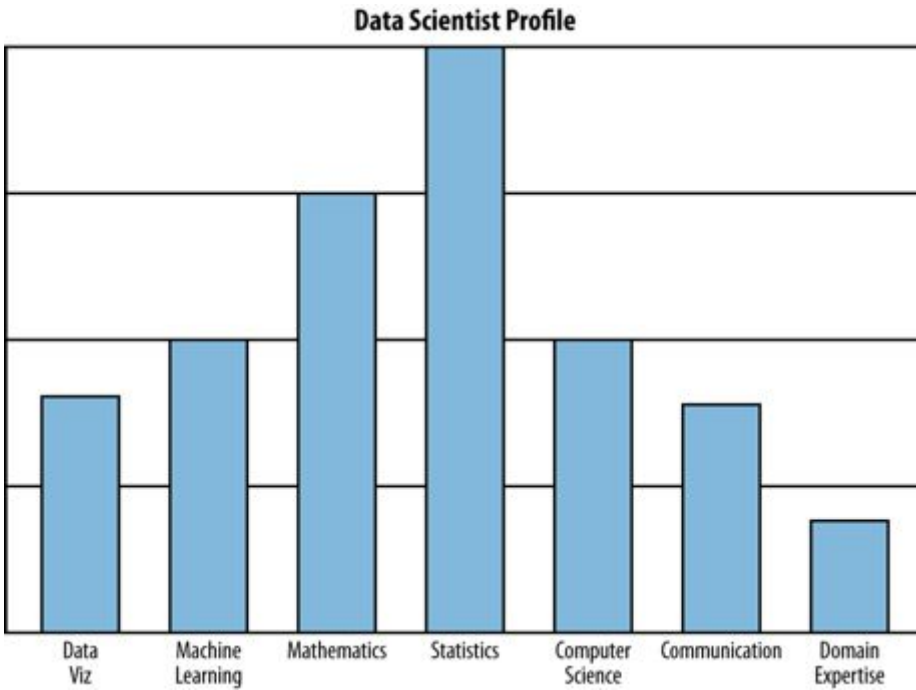
- Three 24-hour extensions, no questions asked.
- You **MUST** inform me **BEFORE** the assignment/project is due.
- No late work other than this.

Misc. Resources

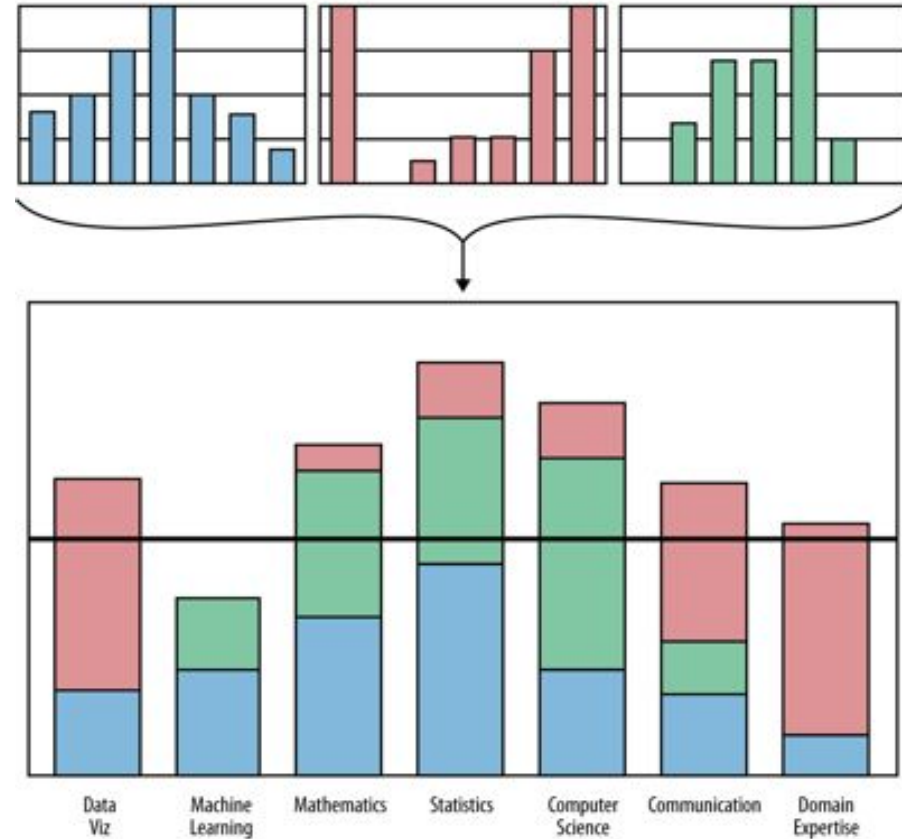
- Chapman [Tutoring Center](#)
- [Test Anxiety](#)
- [StatQuest](#) Videos
- [Pandas](#) Tutorials
- [Plotnine](#) Tutorials
- [sklearn](#) Tutorials
- [Keras](#) Tutorials
- [Machine Learning Flashcards](#) (Chris Albon)
- Review Stream

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).

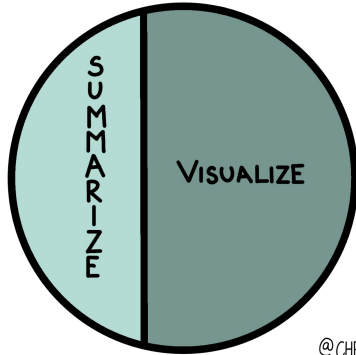
The subway is like
and make decision
with simplifying as



can understand
on there...same

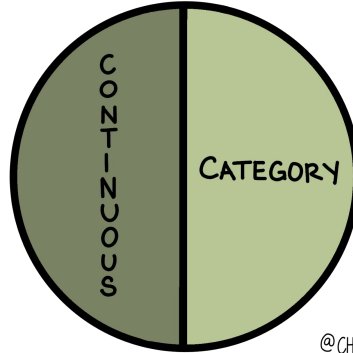
Algorithms

EXPLORE



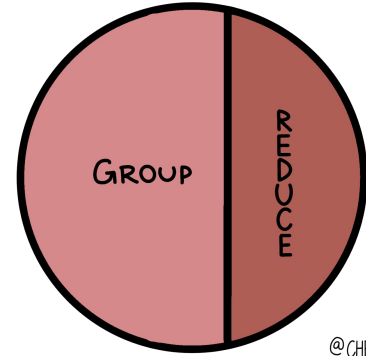
@CHELSEAPARLETT

PREDICT



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SIMPLIFY



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Are you doing Prediction or Inference?

Prediction -- How close are your guesses about data points to the true values?

Inference -- How close are your guesses about parameters to the true values?

What story is your data telling?