# You and Your Project Proposals

#### Learning goals:

- Get some tips for feasible and interesting project proposals.
- See some examples of interesting research questions.

COGS 108 Fall 2019

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Discussion 3

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OH: Wed 10-11a in SSRB 100

#### Sam's Guide for a Good Project Proposal

- Find 3 interesting datasets.
  - I suggest looking at Data is Plural.
- Come up with 3 research questions for each dataset.
- Pick one.
- Why does this work? Quantity > quality for brainstorming.

#### How do I pick a research question?

- Ask a question that would be interesting to a friend.
- Many good questions relate two quantities that are not obviously related.
  - Bad: What's the most common name in COGS 108?
  - Bad: Can you predict a person's sex from their name?
  - Good: Can you predict a person's age from their name?
  - Good: Can you predict a person's sex from the last letter of their name?

# Fill out this form: bit.ly/108-sam-names

### Then, I have a demo: bit.ly/108-sam03

#### Example research questions I came up with last week:

- Have helmet laws reduced deaths for bike riders?
- What weather patterns are most associated with fires?
- What weather patterns are most associated with power outages?
  - (It turns out PG&E is a scumbag company.)
  - https://simonwillison.net/2019/Oct/10/pge-outages/

# Rest of time: Work on project proposals.

#### I will walk around and give feedback.