Lab 1

Math 241, Week 1

Due: Thursday, February 1st at 9:00am

Goals of this lab

1. Practice collecting data.
2. Practice mapping data to a visualization.

Requirements

- Collect data on some aspect of your life between now and Feb 1st.

  - Pick a time span (e.g., day, week, evening) that aligns well with the data you are collecting.

- Determine how you want to map the data to objects.
- Create three practice sketches.
- On the postcard,

  - Create a visualization of the data on the front.
  - On the back left, create legends so that no additional explanation is needed.

- The target audience is a person with no background in statistics.

Suggestions

- Reflect on what aspects of your world you might want to better understand through data.
- Collect data on several variables. Before you collect data, . . .

  - It is hard to know what will prove interesting.
  - It is hard to know what will be hard to collect.

- Peruse the "Dear Data" website for ideas.

  - But your postcard must be unique.

Rubric

When I assess your postcard, I will be looking for:

- The presence of data and a story.
- An appropriate mapping from data to geometric objects.
- How engaging and creative the visualization is.
- How clear, readable, and complete the visualization and legends are.

- Whether it requires statistical knowledge to understand.