CSE 442 - Data Visualization

Design Exercise

Jeffrey Heer, Jane Hoffswell  Univ. of Washington
Administrivia
A2: Exploratory Data Analysis

Use visualization software to form & answer questions

First steps:
Step 1: Pick domain & data
Step 2: Pose questions
Step 3: Profile the data
Iterate as needed

Create visualizations
Interact with data
Refine your questions

Author a report notebook
Screenshots of most insightful views (8+)
Include titles and captions for each view

Due by 11:59pm Monday, Oct 26
Tableau Tutorial  (Optional)

Friday October 16, 1:30-3:00pm
Zoom link available on Canvas
Will also be recorded
Led by Kevin and Yang
Design Exercise
Visual Encoding Exercise

5 17

How many visualizations can you think of for conveying these two numbers? Feel free to invent tasks or contexts. **Sketch as many as you can!**

*Don’t stress over quality, go for quantity.*

Time: ~5 minutes
Visual Encoding Exercise

We will assign you to breakout rooms. Introduce yourselves! Then compare your designs. *(You can hold drawings up to the camera to share.)* How many ideas are the same? How many are different? Capture your favorite images and post them on the Ed thread “In-Class Design Activity”.

5 17
Visual Encoding Exercise

5 17

How many visualizations can you think of for conveying these two numbers? Feel free to invent tasks or contexts. **Sketch as many as you can!**

Time permitting, let’s share back with the class. What were the most common designs? The most surprising / creative / innovative?