

Homework 1: Analog Visualization

Objective: Reflect on the conversion of information to physical and digital space.

Task 1: Examine the data

Distribution of Prison Sentences for Black and White Individuals Convicted for Similar Crimes

Prison time (x axis)	Black	White
No Time	20%	32%
Up to 1 year	6%	8%
1-5 years	39%	41%
5-10 years	20%	12%
Over 10 years	15%	7%

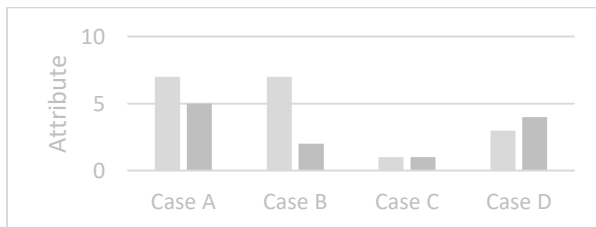
Data from: Starr, Sonja B. "Racial Disparity in Federal Criminal Sentences." M. M. Rehavi, co-author. J. Pol. Econ. 122, no. 6 (2014): 1320-54.
<https://repository.law.umich.edu/cgi/viewcontent.cgi?article=2413&context=articles>

Task 2: Using stuff around the house (no drawings), make a bar chart of the data. You will need to be creative! Make only one chart. Distinguish the two attributes: Black from white using different materials or colors or objects.

Task 3: Take a photo of your analog bar chart and paste it into powerpoint or photoshop (etc.). Label the photo with axis names and values using powerpoint or photoshop (etc).

Task 4: In Excel or any other program (Matlab...), make a brief chart of the data. **IT NEEDS A TITLE and axis labels.**

Like this:



Task 5: Write a brief paragraph (~200 words) about the (1) challenges you faced making the analog visualization. Describe how you "felt" the data differently doing the analog chart and the digital chart in terms of (2) creating it and (3) interpreting the result.

Turn in to Canvas: A word doc or PDF with the (1) labeled photo of analog bar graph (with axis labels and title), (2) digital bar graph (with axis labels and title) and (4) paragraph.