

Data 227 - Autumn 2021 HW 1
Data Visualization and Communication - Trimble
Due: October 12, 2021 12:00pm (noon)

Homework 1, Salary database

1. For this assignment, you will create a static visualization of the City of Chicago Salary database for a recent year.

You can download a recent database from the Chicago City Data Portal

<https://data.cityofchicago.org/>

<https://data.cityofchicago.org/Administration-Finance/Current-Employee-Names-Salaries-and-Position>

It has 31,000 rows and looks like this:

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Name,Job Titles,Department,Full or Part-Time,Salary or Hourly,Typical Hours,Annual Salary,Hourly
Rate
"AARON, JEFFERY M",SERGEANT,POLICE,F,Salary,, "118,998.00",
"AARON, KARINA",POLICE OFFICER (ASSIGNED AS DETECTIVE),POLICE,F,Salary,, "97,440.00",
"AARON, KIMBERLEI R",CHIEF CONTRACT EXPEDITER,DAIS,F,Salary,, "121,272.00",
"ABAD JR, VICENTE M",CIVIL ENGINEER IV,WATER MGMNT,F,Salary,, "119,712.00",
"ABARCA, EMMANUEL",CONCRETE LABORER,TRANSPORTN,F,Hourly,40,,45.90
...
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Examine the data, find a fact that is contained within the data, and design a visualization that communicates that fact.

Include one paragraph to go with the visualization, like a figure caption, and include one to three paragraphs explaining your question and your graphical design, and any code you used to produce the visualization. The figure caption should describe the origin of the dataset.

You do not have to use any specific tools to produce the visualization (you could even draw it by hand) but you need to find something interesting and display it effectively.