Sample Task Name:_____

Problem:

IPUMS USA five-year ACS income data for 1000 people has been compiled in the other jobs csv file found on www.owenmathclass.com. All 1000 cases are related to jobs other than your career field. Variables in the data include sex, age, highest education attained, total earned income for the year, and occupation.

Your task:

1) Find the following statistical values from your data set:
    a. minimum earned income

    b. maximum earned income

    c. mean earned income

    d. median earned income

    e. sample standard deviation of earned income

    f. interquartile range of earned income

Sample Task Name:_____

2) Create a data display in CODAP using your data that compares at least two things of interest. Draw a rough sketch of your data display below. Make sure you label your axes.

3) What is something this data display makes you wonder about? What other information would you need to move toward answering your question?

Sample Task Name:_____

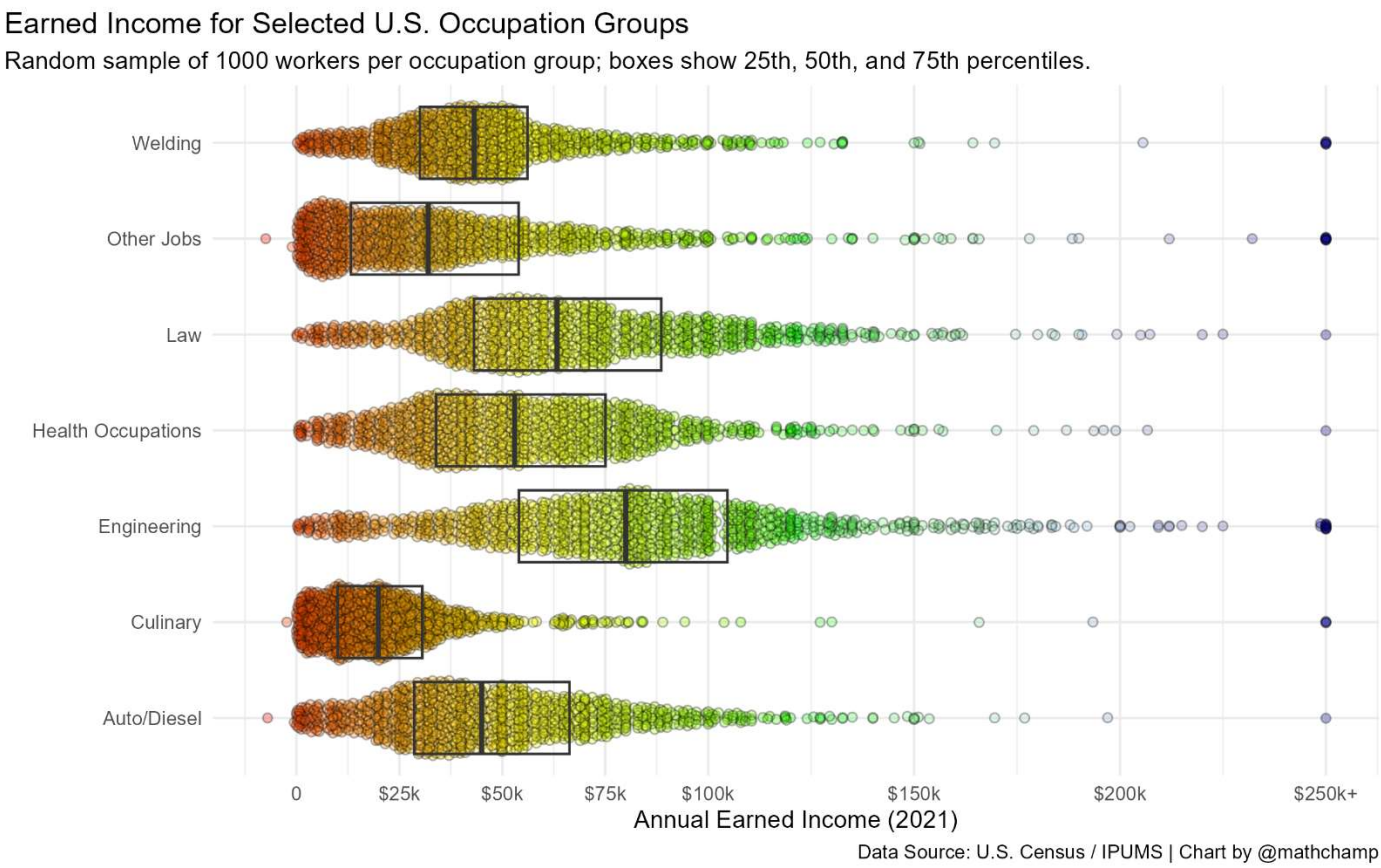
4) According to the data you were given, what is the typical annual earned income of someone in other jobs? Justify your answer.

5) According to the data you were given, what would be a reasonable salary range for an entry-level worker in this career field? Justify your answer.

6) According to the data you were given, are there factors that appear to affect earned income (sex, age, education, etc.)? Justify your answer.

Sample Task Name:_____

7) Use the data display below.



Pick any two occupation groups. Compare the groups using measures of center (mean, median) and spread (standard deviation, interquartile range). Make sure to explain what your comparison of the two groups means in context.