

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

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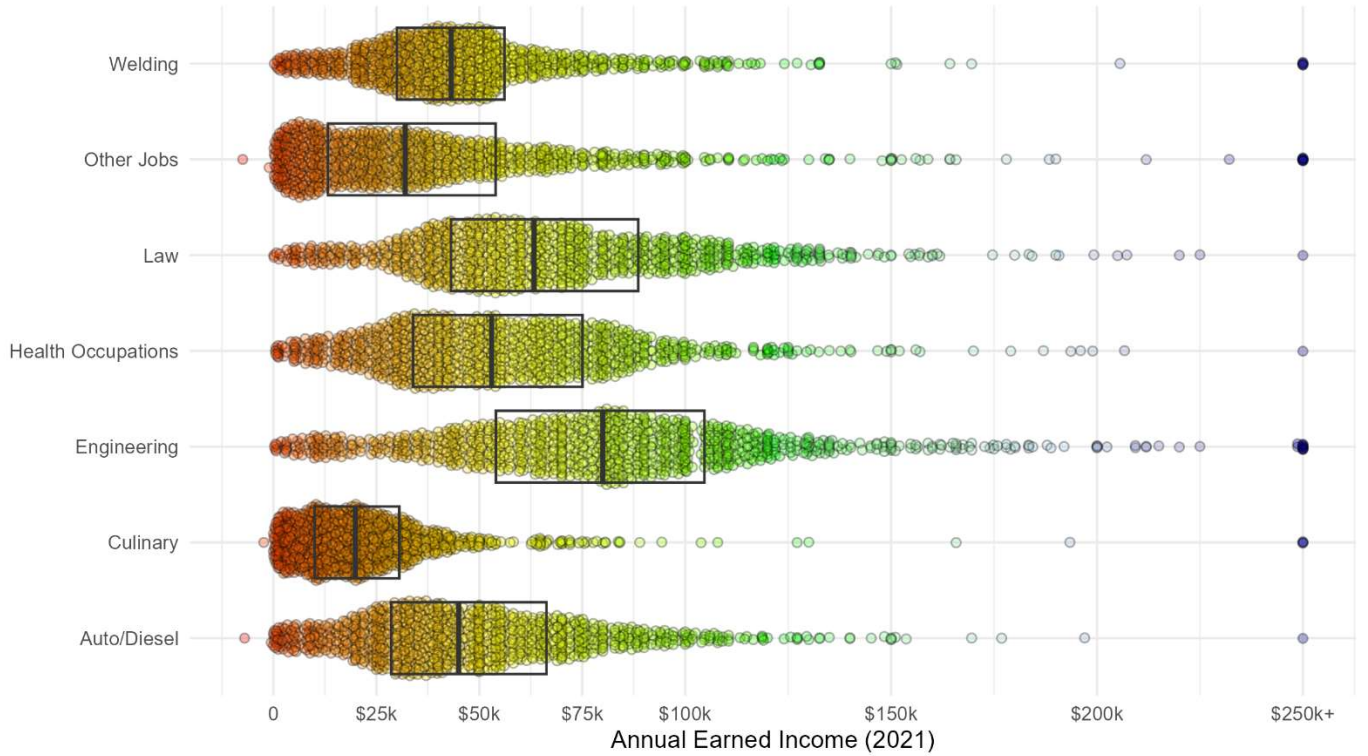
2) Create a data display in CODAP using your data. Draw a rough sketch of your data display below.

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

7) Use the data display below.

Earned Income for Selected U.S. Occupation Groups

Random sample of 1000 workers per occupation group; boxes show 25th, 50th, and 75th percentiles.



Data Source: U.S. Census / IPUMS | Chart by @mathchamp

Choose your occupation group and one other occupation group. Compare the groups using measures of center (mean, median) and spread (standard deviation, interquartile range).