

Adult Income Analysis

Exploration of Income Discrepancies

The Task

Series of questions related to income discrepancy that we want answered.

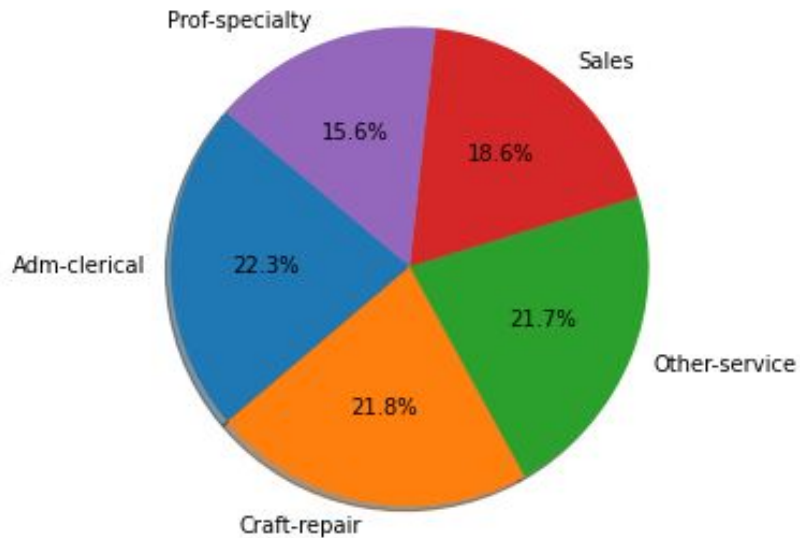
Data Visualization to help guide insight into the solution.



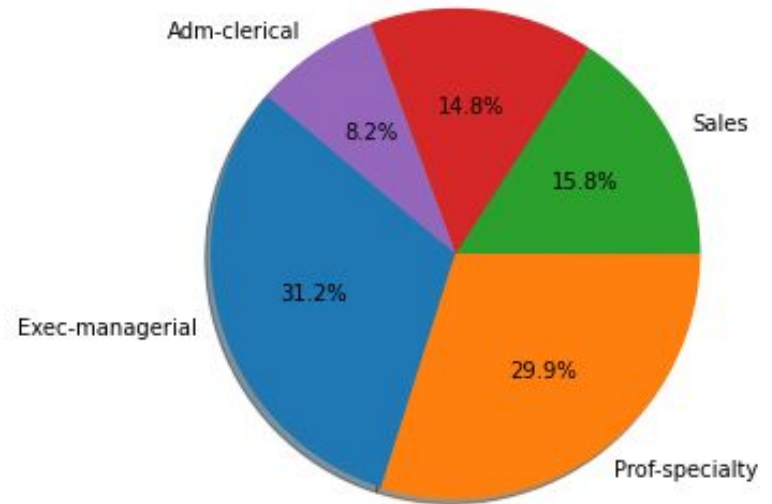
Question 1: What are the top 5 occupations for those who make more than 50K and those who make less than 50K a year?

Question 1: Data Visualization

Top 5 occupations with income < 50K



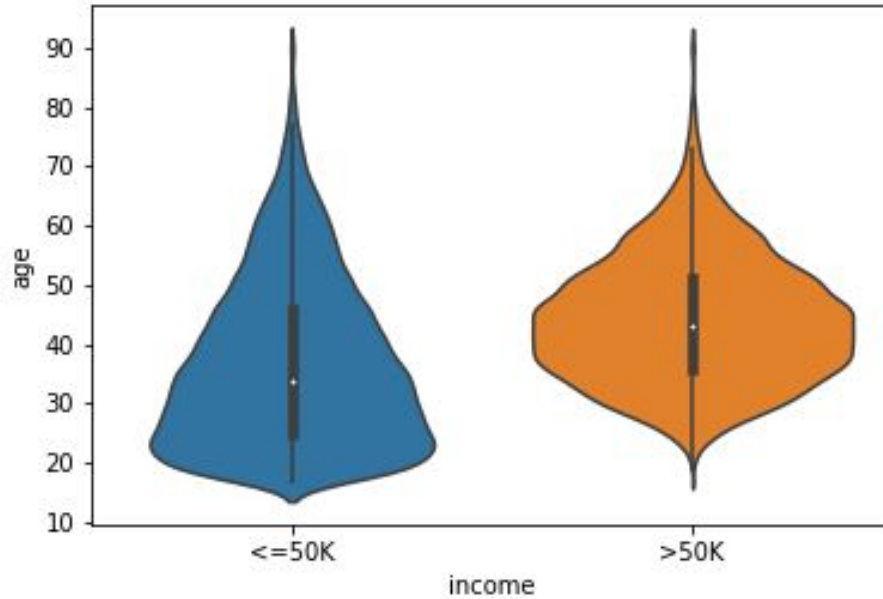
Top 5 occupations with income > 50K






Question 2: What is the average age for those who make more than 50K? Less than 50K?

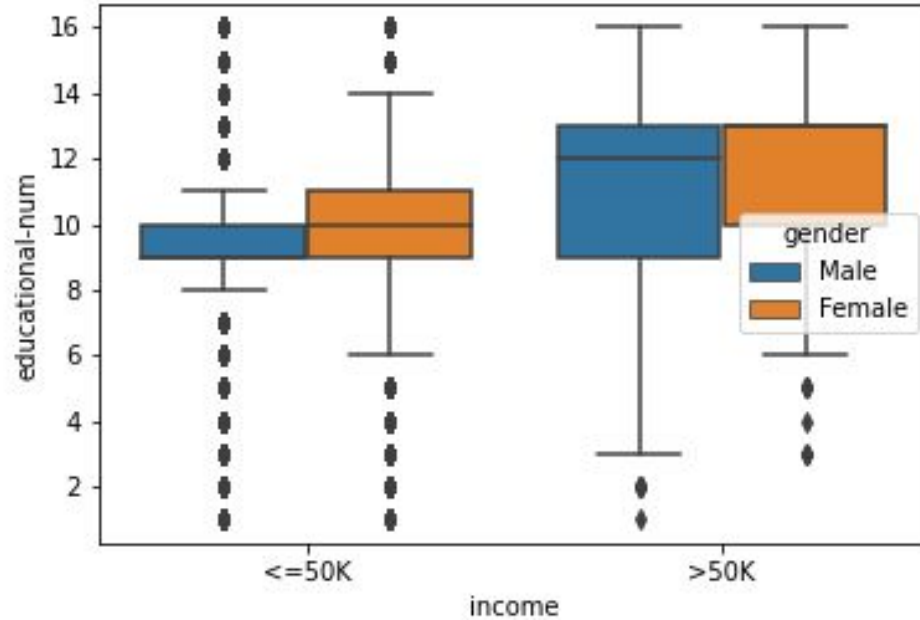
Question 2: Data Visualization





Question 3: How many years of education is required to make more than 50K a year? Does it differ by gender?

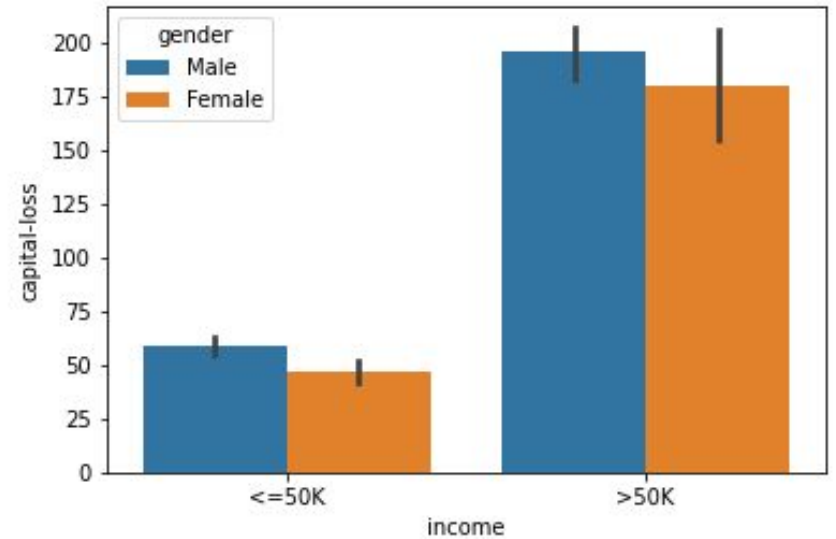
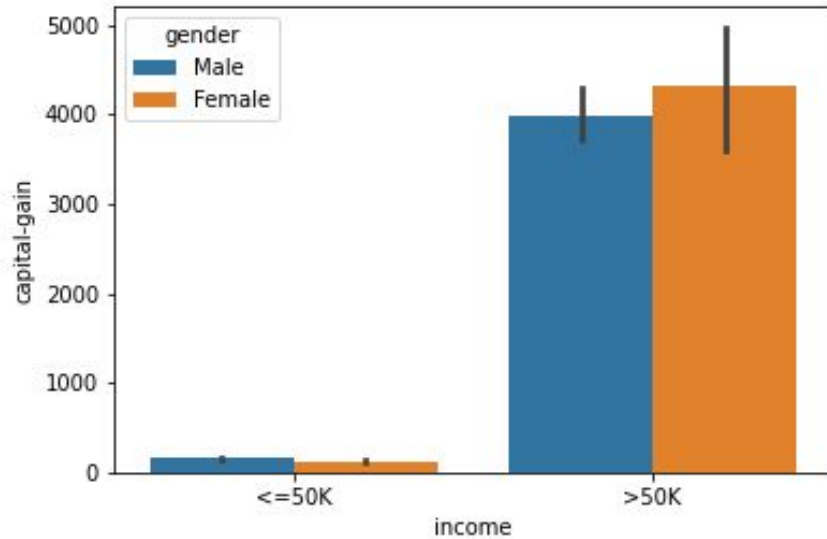
Question 3: Data Visualization






Question 4: What is capital gain and loss for both income levels?

Question 4: Data Visualization



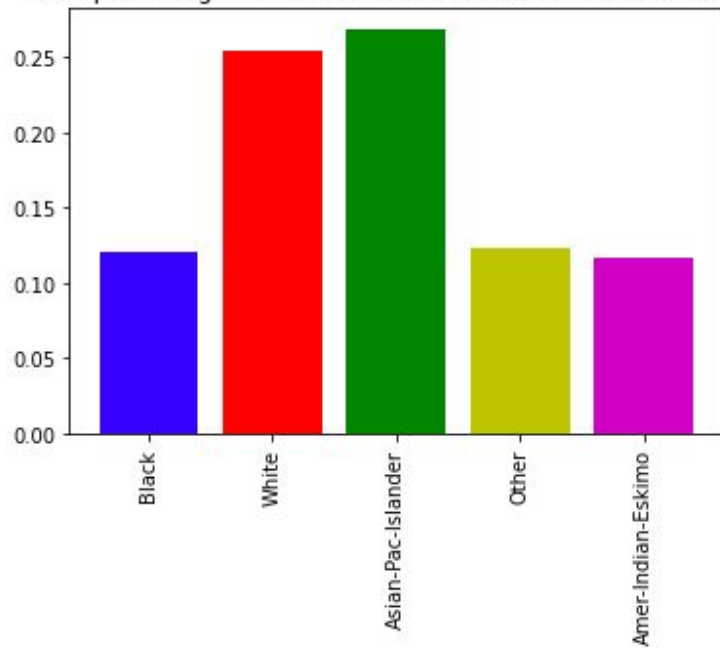


Question 5: For each race, what percentage make more than 50K a year?

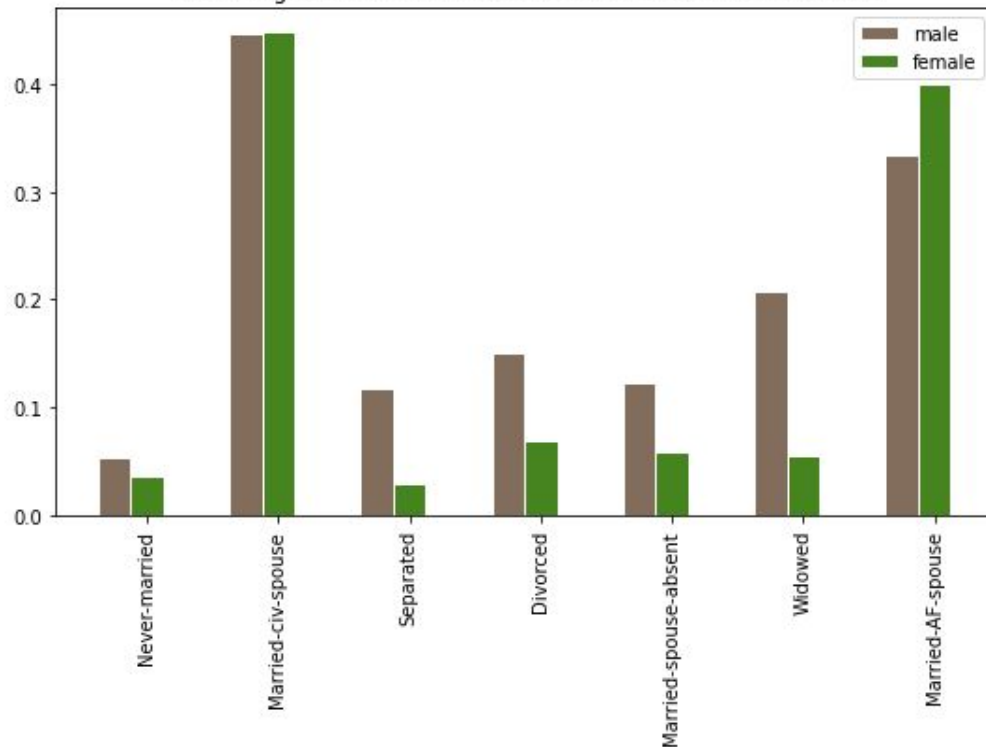
Question 6: How does marital status affect income for both genders?

Question 5&6: Data Visualization

What percentage of each race makes more than 50K annually?



Percentage for each martial status that makes more than 50K



Results

Question 1: While there is overlap between top occupations for the income levels, the majority of those who make more than 50K are executive managers and professors in a specialty. The major occupations for those who make less than 50K are clerical and craft related jobs.

Question 2: Pertaining to age and income, those in their late 30s to mid 40s tend to be in the prime of their career and make more than 50K a year.

Question 3: Those with a college degree tend to make more money pertaining to education. For those who make more than 50K a year, females tend to have a higher minimum education when compared to male counterparts.

Question 4: The idea of high risk is high reward is relevant as people who make more than 50K a year tend to have significantly higher capital gains AND losses than those who make less than 50K.

Question 5: White and Asian Pacific Islanders have similar percentages of those who make more than 50K a year, around 25%. Black and American-Indian-Eskimo have lower percentages around 12-13%.

Question 6: We observe that for marital statuses of *separated*, *divorced*, *married-spouse-absent* and *widowed*, there is a higher percentage for males than females in making more than 50K a year.