

Worksheet 10/20/2023

1) Use the double bar graph below to answer the following questions:

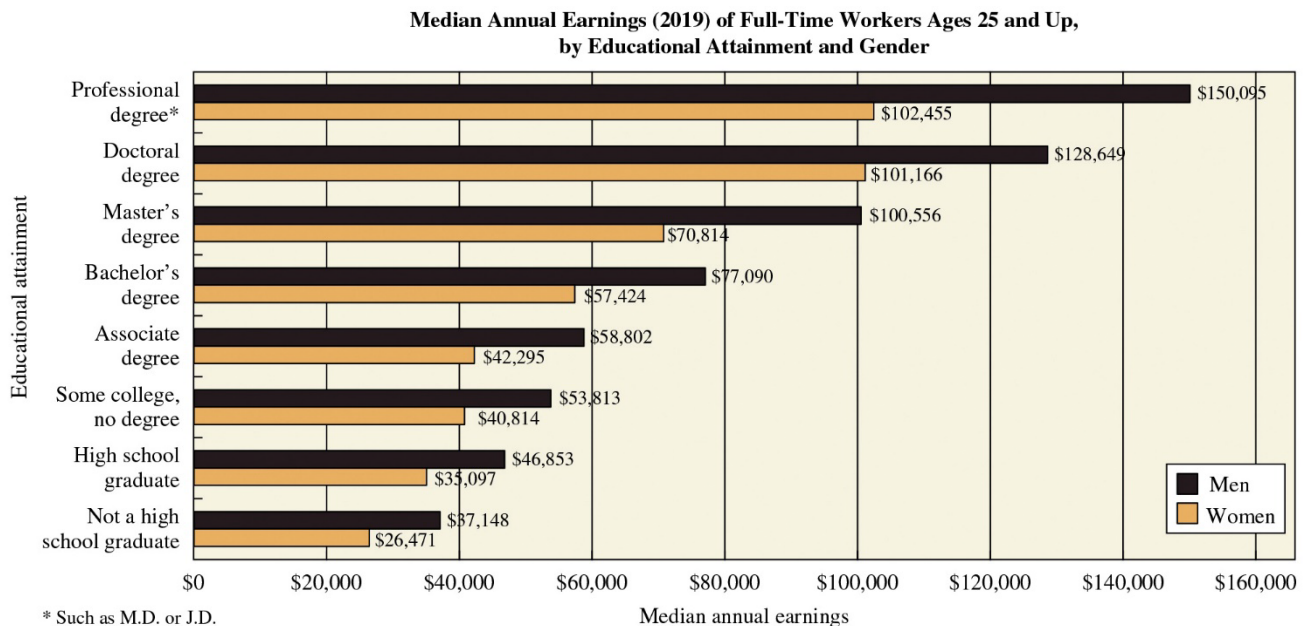
- a. What is the percentage difference in earnings for men with a bachelor's degree compared to women with a bachelor's degree?

- b. What is the percentage difference in earnings for men with a professional degree (such as an M.D. or J.D.) compared to women with a professional degree?

- c. What is the percentage difference in earnings for women with a professional degree (such as an M.D. or J.D.) compared to women with a bachelor's degree?

- d. What is the percentage difference in earnings for men with a professional degree compared to men with a bachelor's degree?

- e. Does there appear to be a gender difference between men and women with respect to the increased earnings they receive with a professional degree rather than a bachelor's degree? Explain.

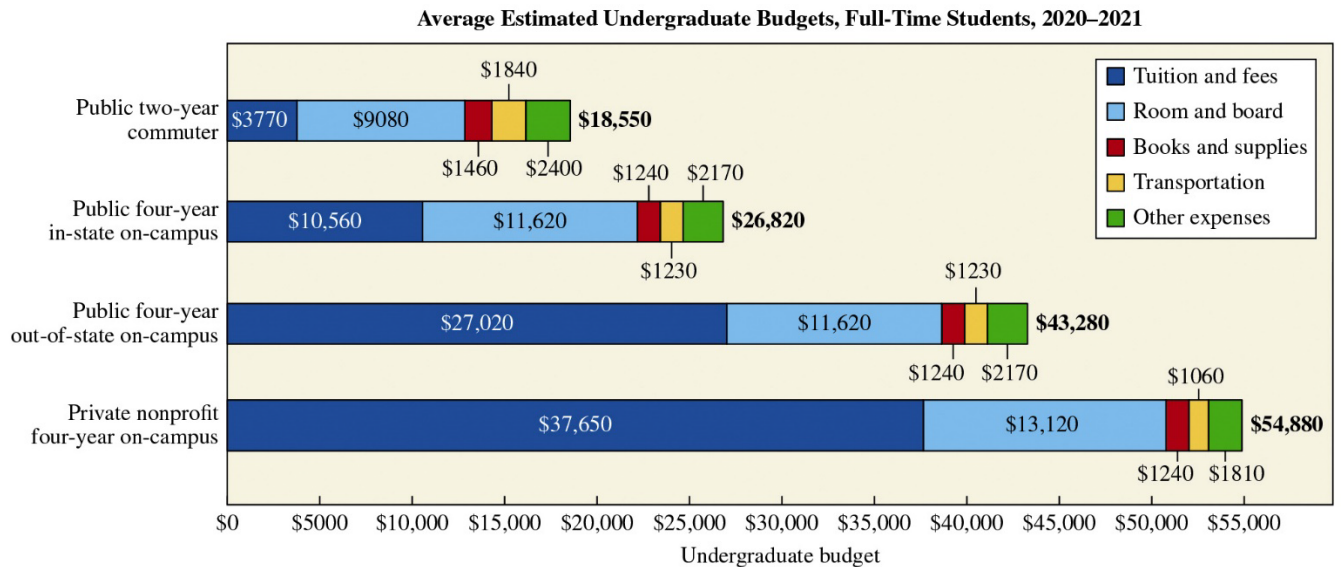


2) Use the stack plot below to answer the following questions:

a. Which cost category varies the least among the different types of colleges? Can you explain why this category varies so little?

b. If you ignore the “other expenses” category, the general trend is for all categories to cost more as you look down the chart from 2-year public colleges to 4-year private colleges. However, one category is an exception to this trend. Which category? Can you explain why?

c. What percentage of the total cost is for tuition for each type of school?



3) The following table gives data for boys and girls in six countries who took the PISA science test in 2018. Make a double bar graph for these data, with the vertical axis running from 460 to 560.

Country	Mean for boys	Mean for girls
United States	503	502
Finland	510	534
Canada	516	520
Japan	531	528
Singapore	553	549
Russia	477	478