

Quantitative Analysis Assignment

POLS 1100: Worksheet #1

Use the table below to answer questions 1, 2 and 3.

State	Median Household Income	Median Price of House
Utah	\$ 55,220.00	37% \$ 146,100.00
Colorado	\$ 55,517.00	33% \$ 166,600.00
Wyoming	\$ 52,433.00	54% \$ 96,600.00
Idaho	\$ 46,136.00	43% \$ 106,300.00
Montana	\$ 43,000.00	43% \$ 99,500.00

Question 1: What do we mean by terms like "median household income" and "median house price"? **Median household income means the average income that individuals bring into their house, while median house price means the average price of a new house.**

Question 2: Which state has the highest median household income, and which state has the lowest? **The state with the highest is Colorado while the lowest is Montana.**

Question 3: What is Montana's household income as a percentage of Utah's. Explain how you arrived at your answer. **The income percentage of Montana to Utah's is 78%. I found this by dividing Montana's median income by Utah's median income, then multiplying that number by a hundred.**

Question 4: Which state has the highest median family income as a percentage of the median house price in that state? Explain how you arrived at your answer. **Wyoming has as the highest at around 0.54% to get this I divided the median income by the median price of a house then multiplied that number by 100.**

(Over)

Use the table below to answer questions 5 and 6.

Candidate	Number of Donors	Money Raised
Mr. Salinger	201 - 895	\$180,000
Mrs. Shelley	128 - 1,562	\$200,000
Mr. Vonnegut	517 - 367	\$190,000
Ms. Atwood	277 - 505	\$140,000

Question 5: Overall, which candidate raised the most money per donor? Explain how you arrived at your answer. **Mr. Vonnegut raised the most per donor because when you divide the money raised by the number of donors he has the highest number.**

Question 6: Calculate Ms. Atwood's number of donors as a percentage of Mrs. Shelly's. Explain how you arrived at your answer. **The percentage of Ms. Atwood's to Ms. Shelly's is 32% to get this I divided the number of donors Ms. Atwood brought in by the number of donors Ms. Shelly brought in then multiplied that number by 100.**

Question 7: Between the four candidates, what is the mean amount of money raised?

Explain how you arrived at your answer. **The mean amount of money raised is \$177,500. To find the solution first I added the amount of donations together and divided it by the number of equations added which is four.**

Question 8: Between the four candidates, what is the mean number of donors? Explain

how you arrived at your answer. **The mean number of donors is 832.25. To find the solution I added the amount of donors together and divided it by the number of equations added which is four.**

Question 9: Calculate Mr. Salinger's money raised as a percentage of that raised by Mr.

Vonnegut. Explain how you arrived at your answer. **The percentage of money raised between Mr. Salinger and by Mr. Vonnegut is 94%. I found this by dividing Mr. Salinger's raised money by Mr. Vonnegut raised money, then multiplying that number by a hundred.**

Question 10: Comparing Mr. Salinger and Ms. Atwood, which candidate raised the most

money per donor? Explain how you arrived at your answer. **Mr. Atwood raised the most per donor because when you divide the amount raised by the amount of donors you get \$201 per donor for Mr. Salinger compared to the \$277 per donor by Ms. Atwood.**