

Practice Excel Questions

Please see your TA or ask during the first recitation if you can't do one of the following 10 questions.

1. What is the mean hourly wage across all occupations? For the following questions, I will refer to this as the average hourly wage (Reading the spreadsheet).

Answer: \$21.35

2. Given the average hourly wage, estimate how much does the average person makes in a week assuming a 35 hour week. (Multiplication in Excel).

Answer: \$747.25

3. What percentage of the average hourly wage can a person in a management position expect to make (OCC_CODE 11-0000 is the "management occupations" data). (Division and % conversion).

Answer: 237%

4. Which position pays the lowest mean hourly wage? (min function).

Answer: Education Administrators, Preschool and Childcare Center/Program

5. Which management position pays the highest average hourly wage? (max function).

Answer: Chief Executives

6. Which management position pays the highest average annual wage? (max function, change tabs).

Answer: Chief Executives

7. Calculate the percentage of average hourly wage offered by various management positions (OCC_CODE 11-1011 to 11-9199). What is the average of these percentages? (Use the \$ to lock denominator. Click and drag to quickly propagate the formula).

Answer: 210.79%

8. Calculate the percentage of average annual wage offered by various management positions (OCC_CODE 11-1011 to 11-9199). What is the average of these percentages? (Use the \$ to lock denominator. Click and drag to quickly propagate the formula). Change tabs to annual.

Answer: 206.77%

9. What is the average hourly wage of management, OCC_CODE 11-1011 to 11-9199? (average function).

Answer: \$45

10. Construct a scatter plot of the mean and lower 10th percentile for OCC_CODE 11-1011 to 11-9199 on the same graph. Does higher wage imply lower 10th percentile get a higher hourly wage? (Graphing)

Answer: Higher mean hourly wage is correlated with higher lower 10th percentile wage.

The scatterplot should look like this:

