

Instructions: You must show all work to receive full credit for the problems below. You may use Excel where appropriate. Any datasets needed will be posted on Blackboard with the quiz file, and you should submit such work along with your quiz. Round answers to two decimal places unless other instructions are given in the problem.

1. In the file **154quiz4data.xlsx**, on Sheet 1, use the data on region to create a summary table of counts, and from that, make a pie chart of the data. Which region is most represented? Which one is least represented?

Most: West at 30%

Least: Midwest at 18%

2. Sort the data on Sheet 2, then use the sorted data to find the 90th percentile of the data set. What is that value?

\$ 186.208

or 186.21

3. Using the data on Sheet 3, make a line graph with the years on the horizontal axis and the percent housing values on the vertical axis. Your line graph should display the data for both Maryland and Virginia. Be sure to include proper axis labels and a title. Write a sentence or two summarizing the graph.

answers will vary

Maryland has a lower value until about 1996, then the relationship is closer, trading places w/ Virginia a couple times

Virginia peaks around 75% around 2000-2002