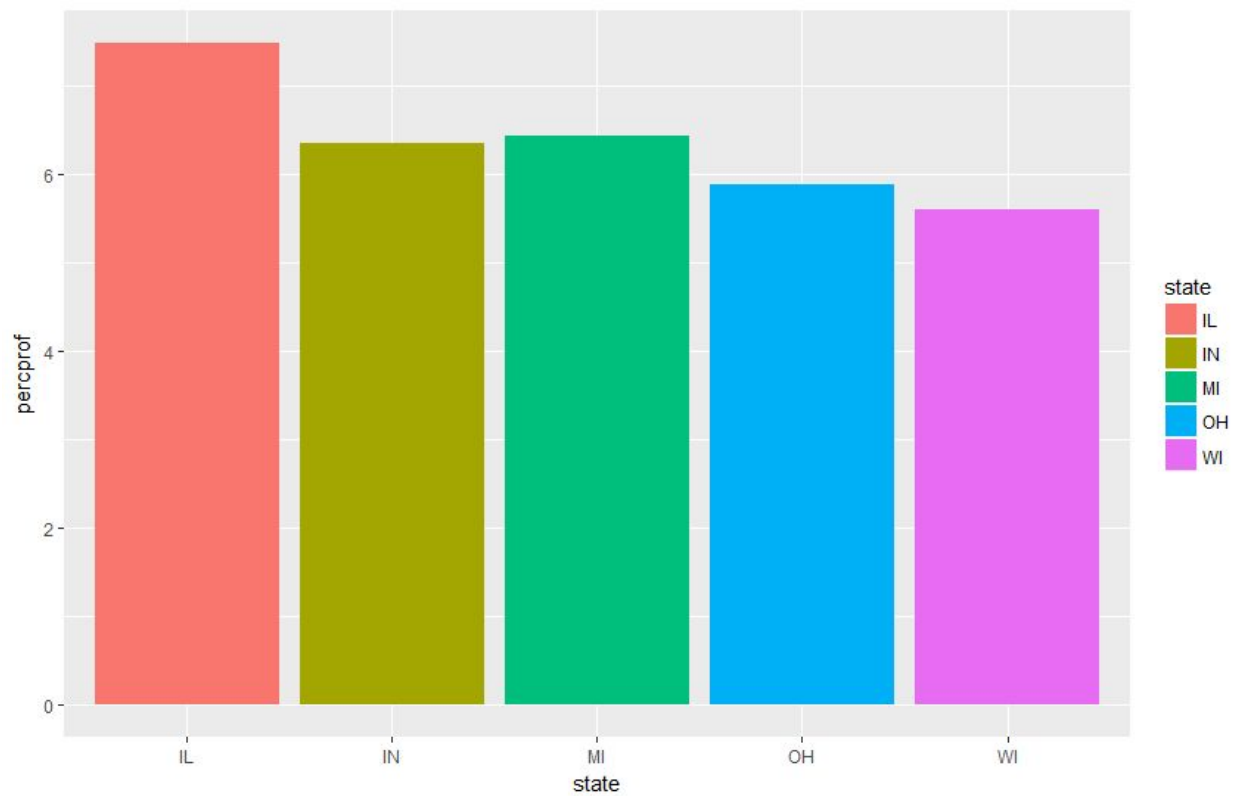
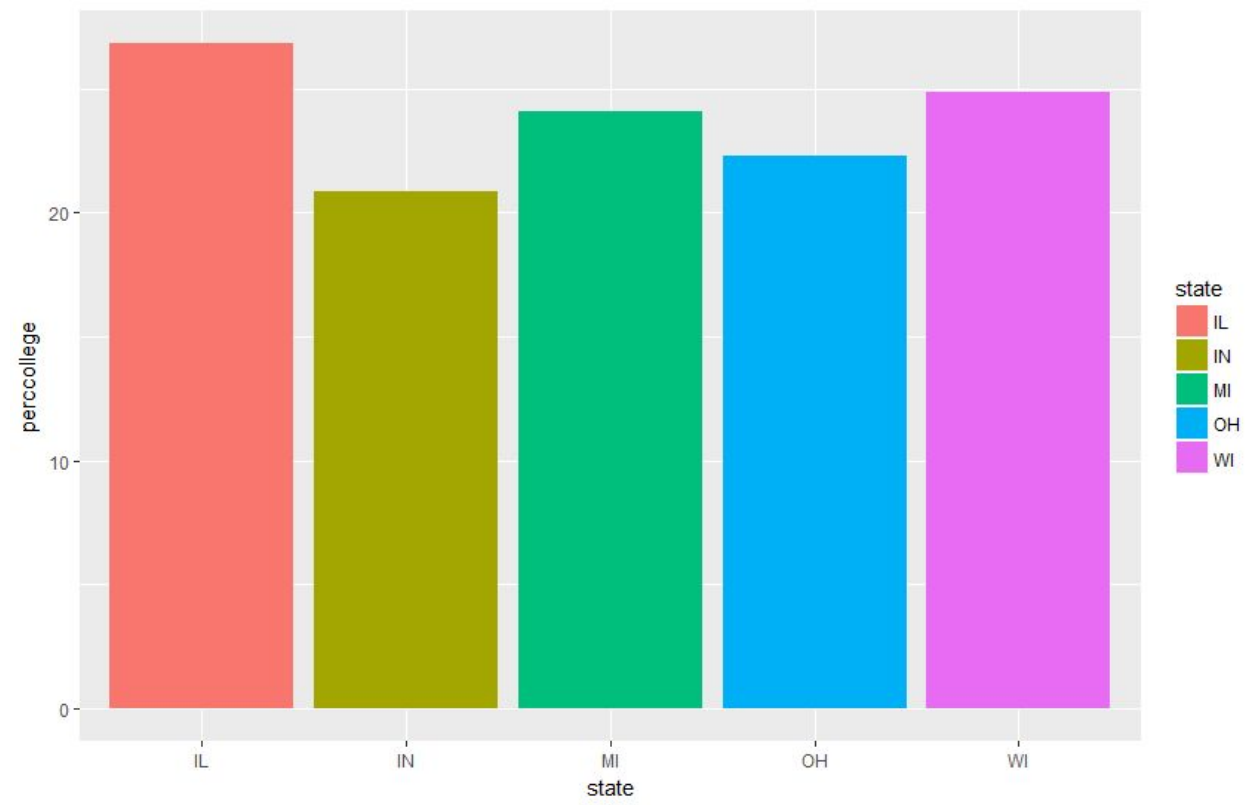
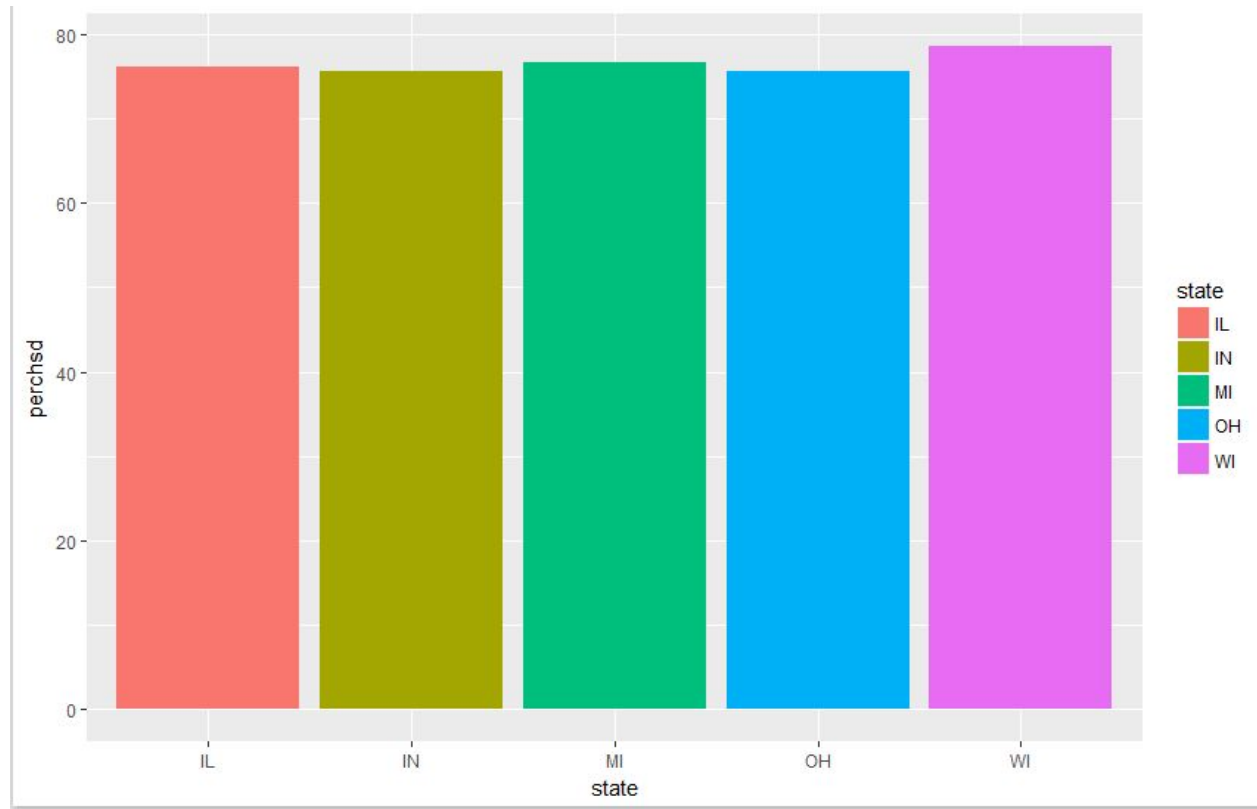


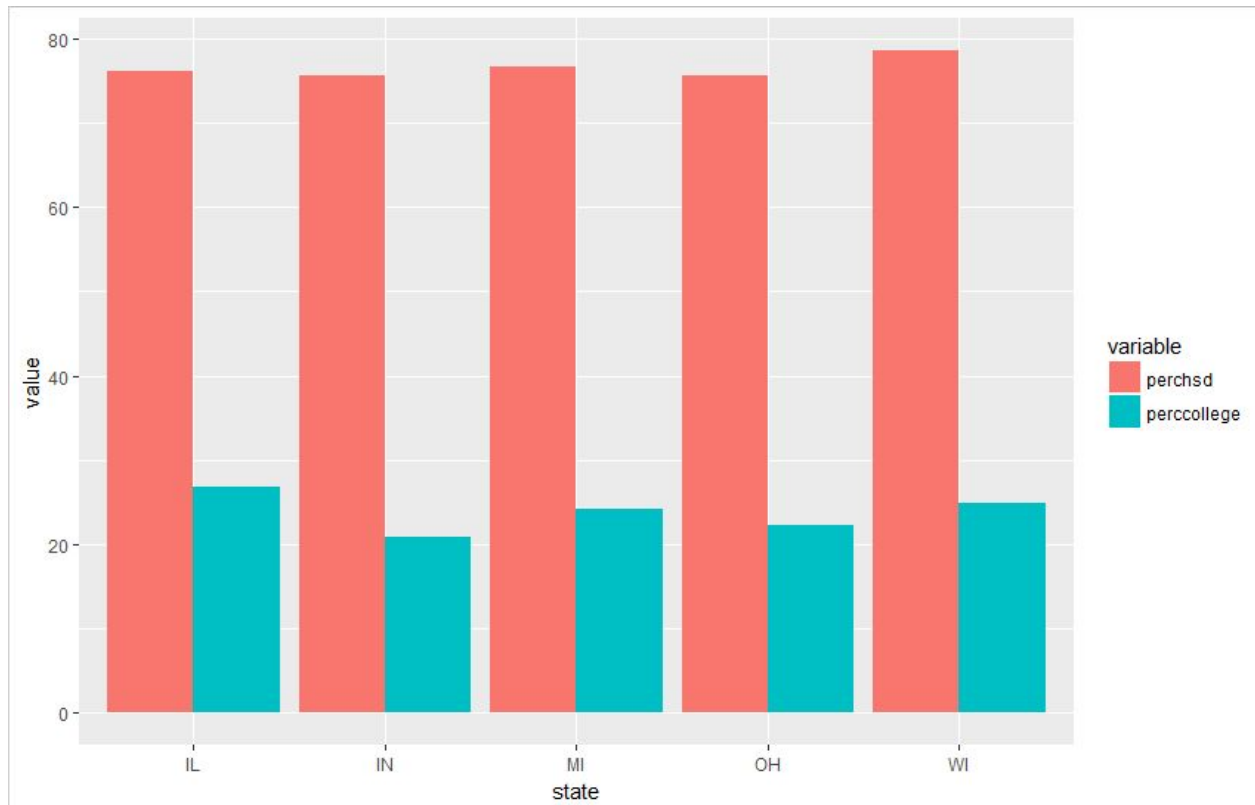
Problem 1:



This image is implemented with interpretation A. IL state has the highest percentage of professional while the WI has the lowest

Problem 2:



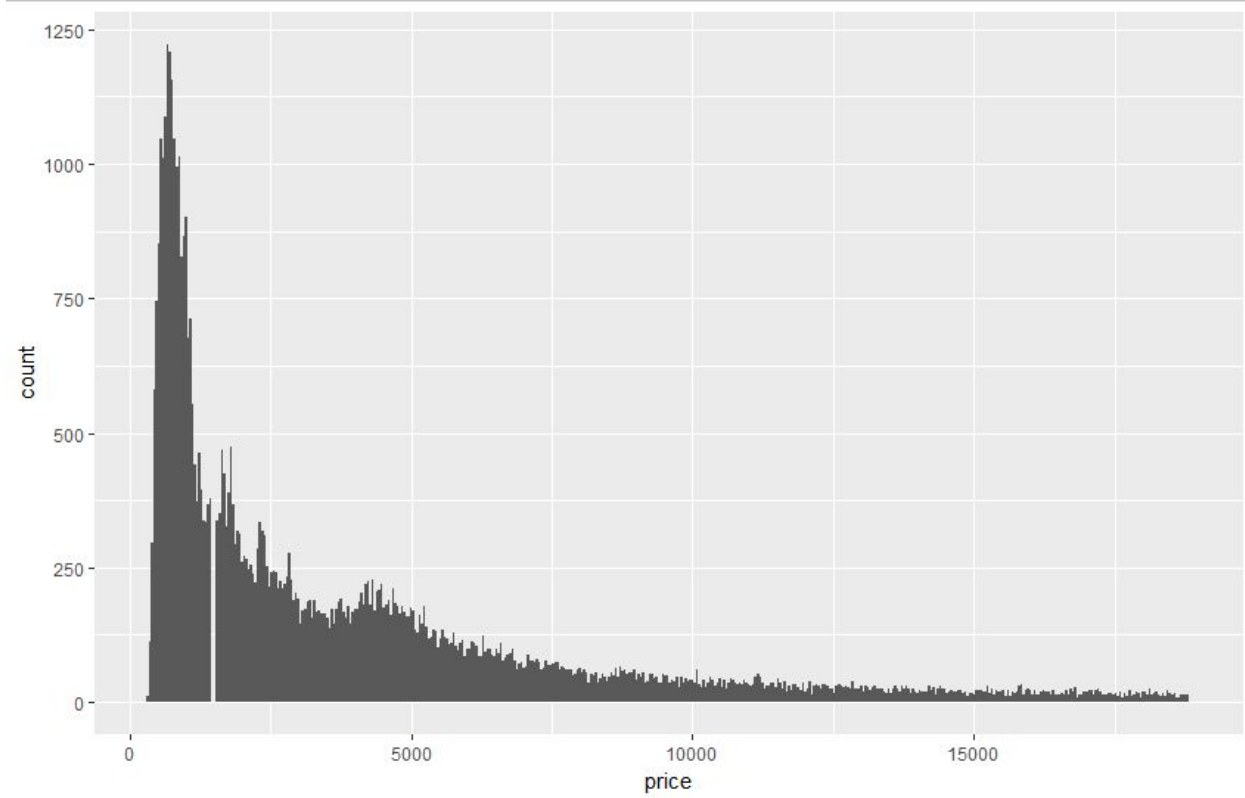
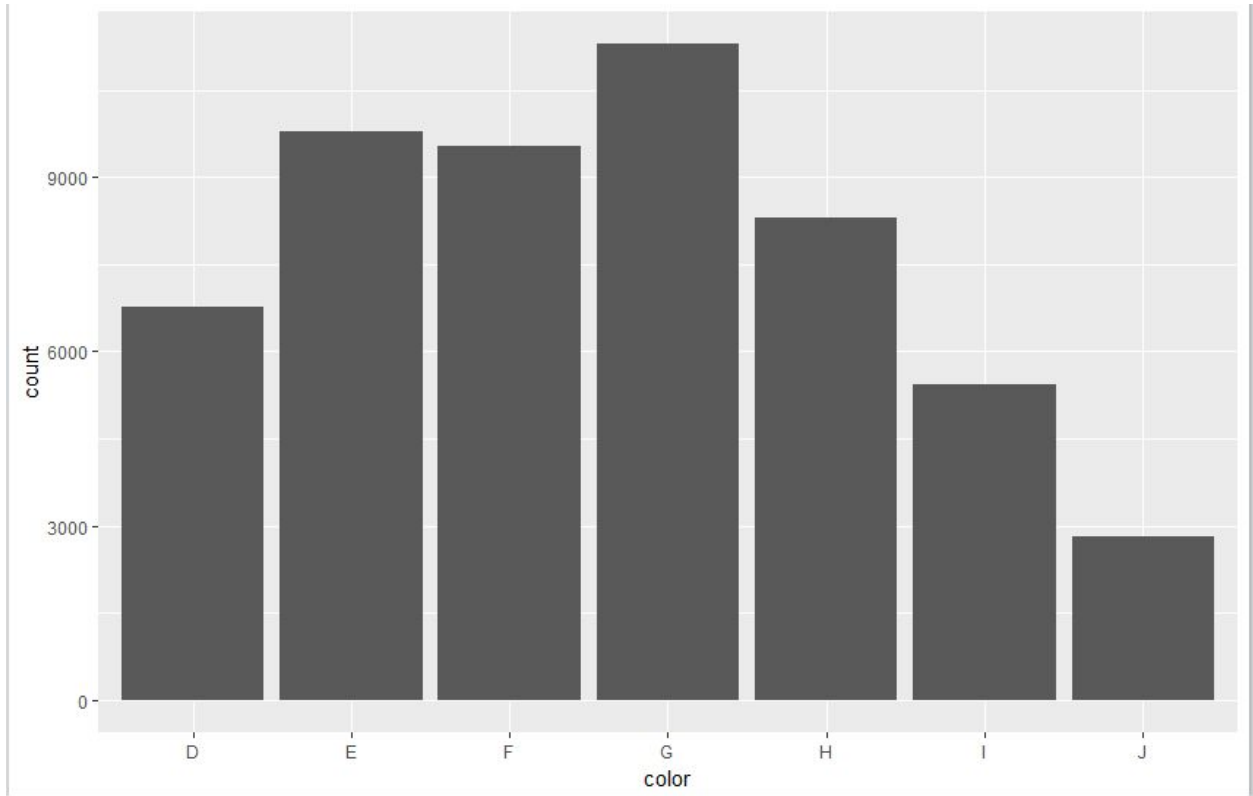


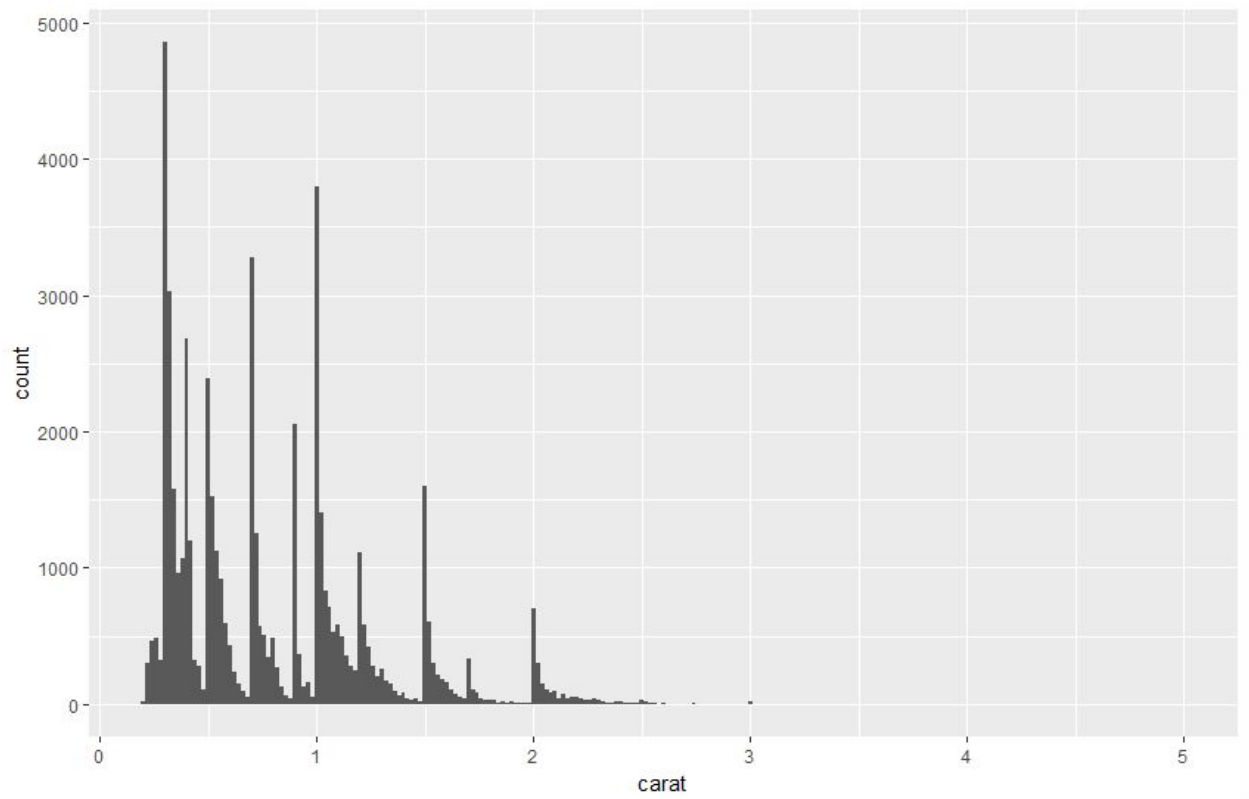
This image is implemented with implementation A. WI has the highest percentage of high school degree while IL state has the highest percentage of college.

Problem 3:

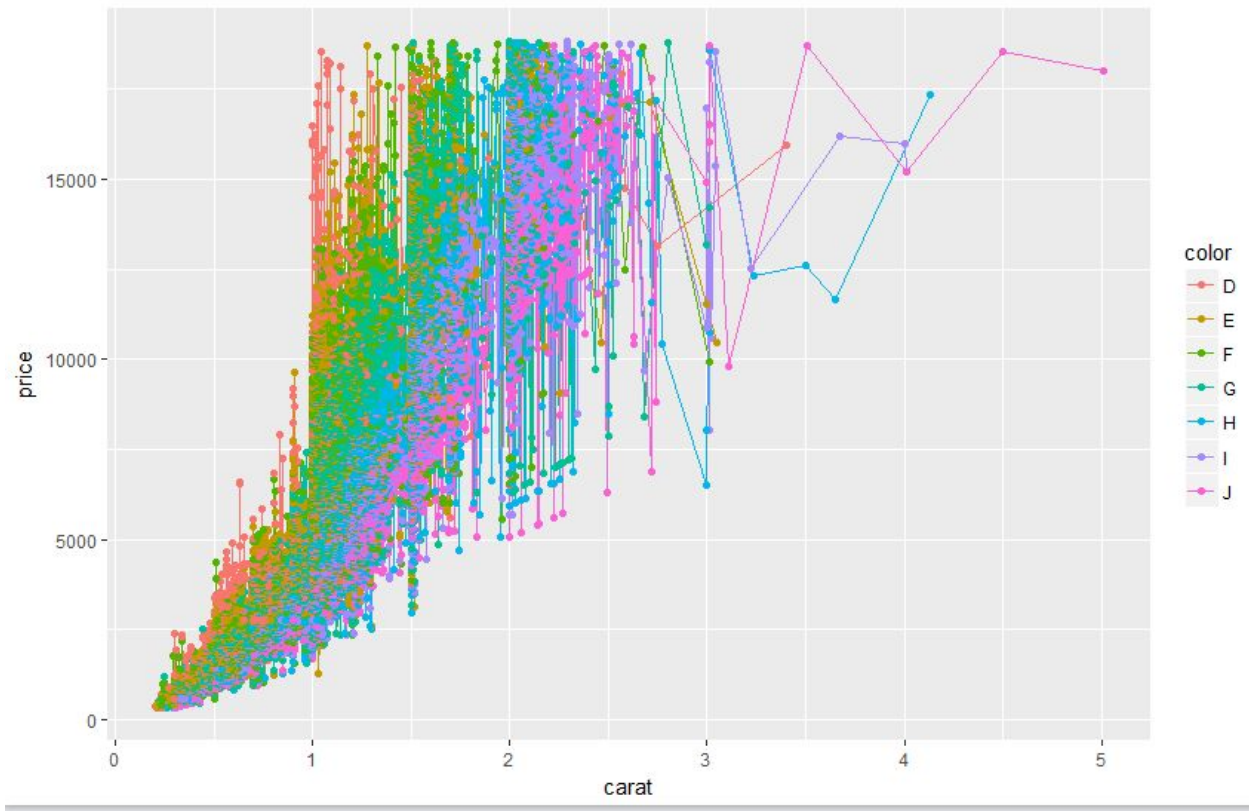
Histogram is used to illustrate the distribution of the value of a dataset. However, box plot is used to identify extreme values and its influence to the distribution. QQ plot is used to illustrate the if the distribution is normal or not.

Problem 5:

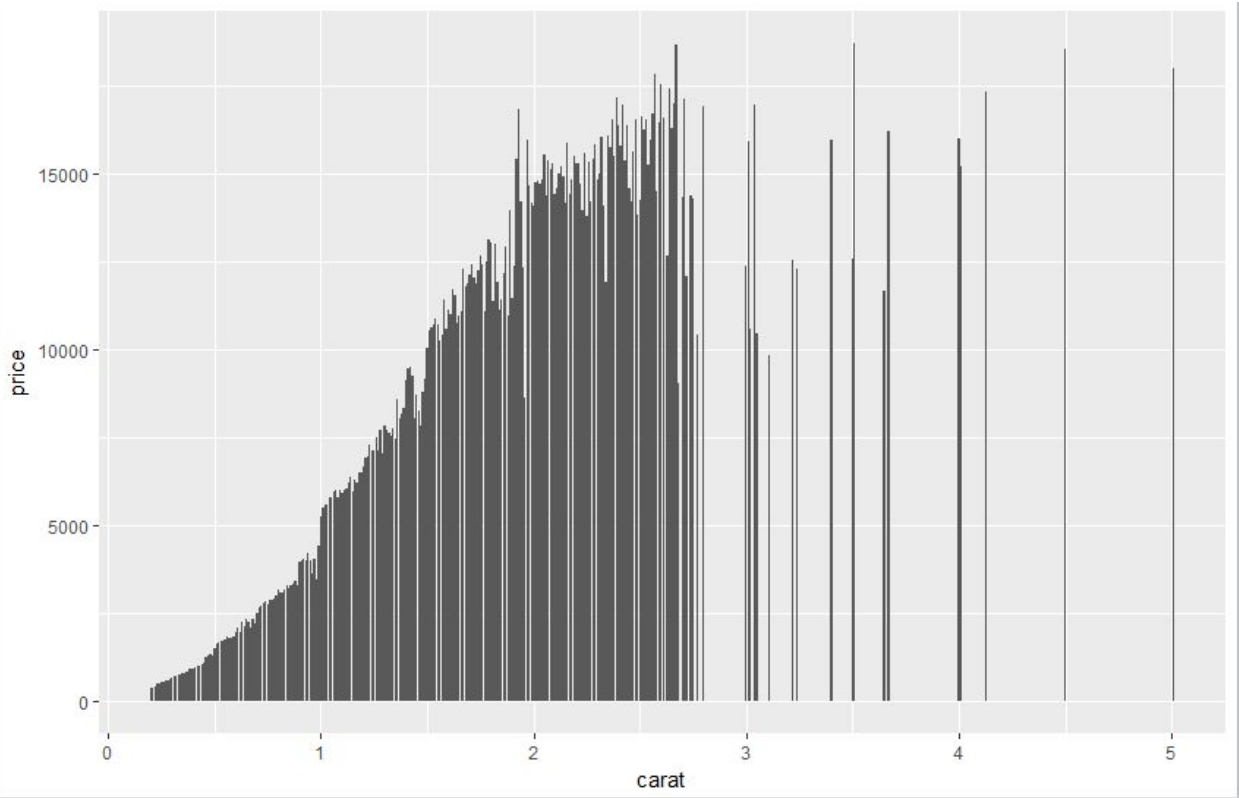
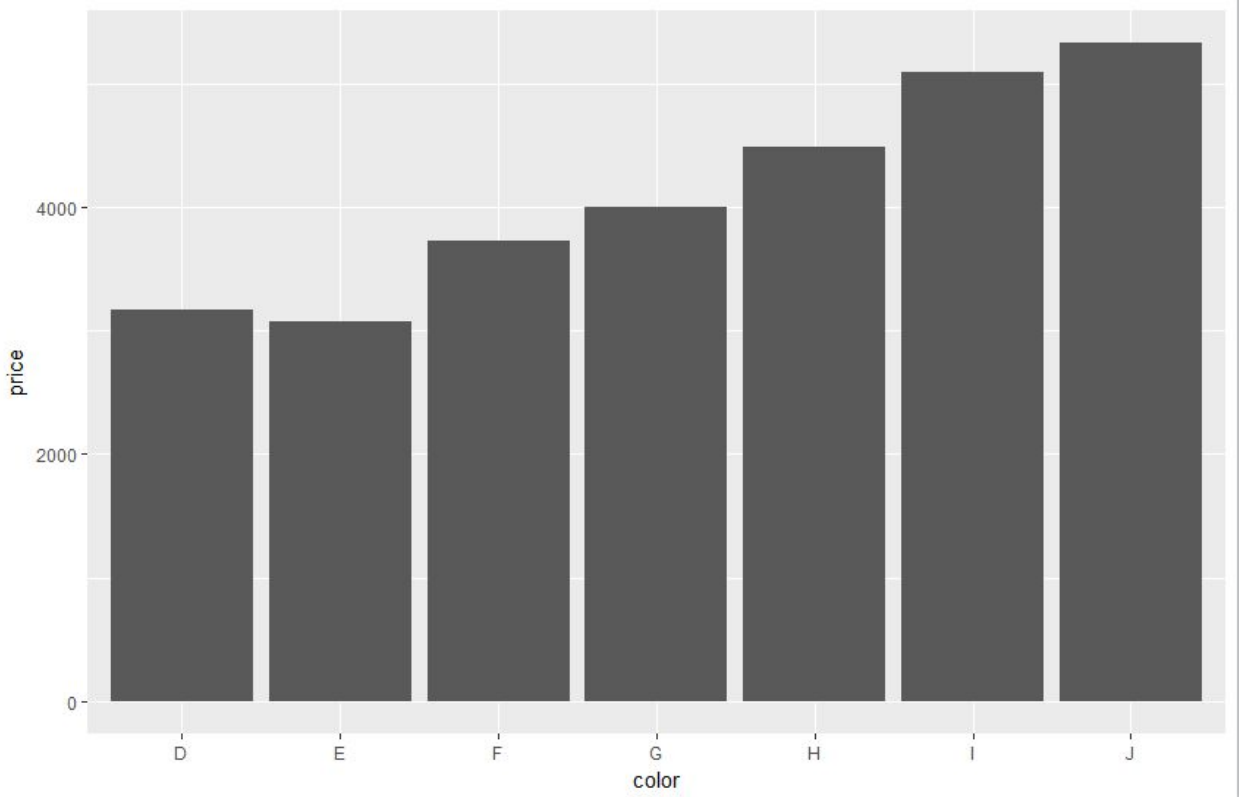


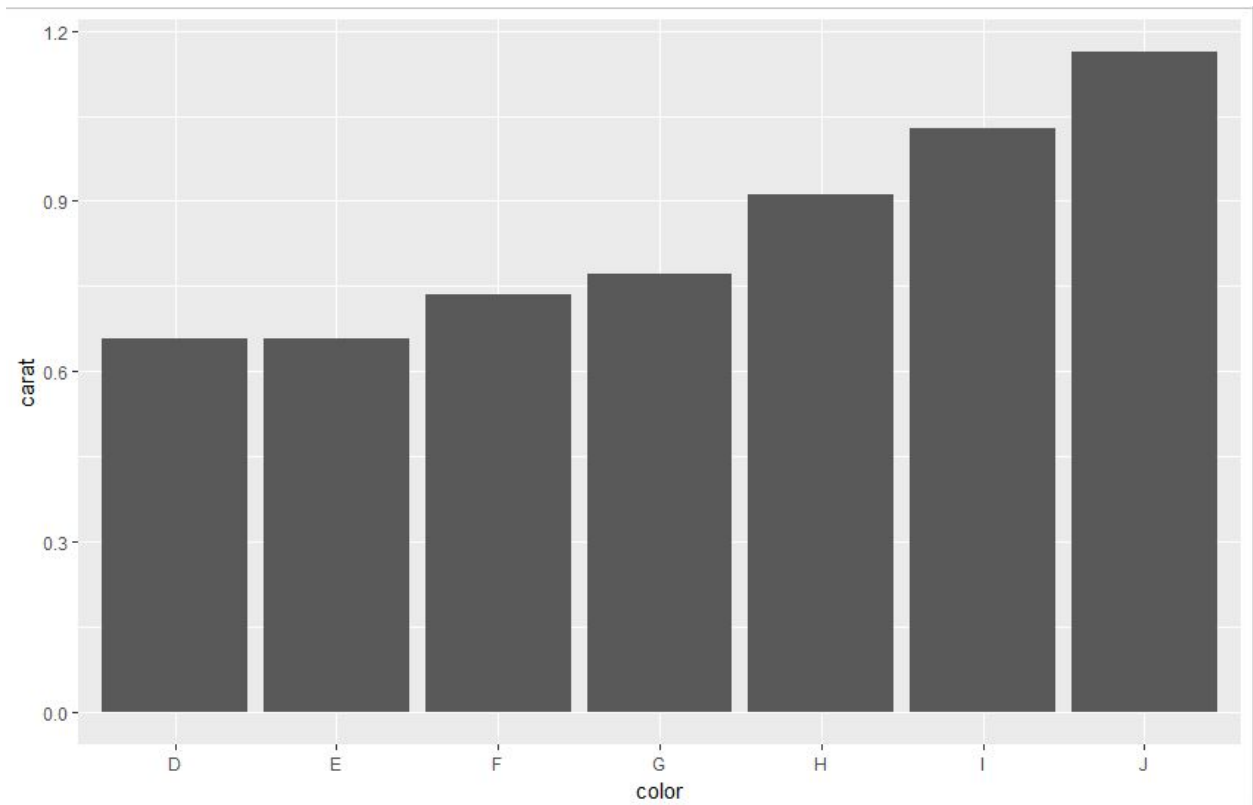


The images above shows the distribution of color, carat, price with bar chart and histogram.



The image above illustrate the three way relationship between color, price and carat.





The three images above shows the pairwise relationships between, color, carat and price.