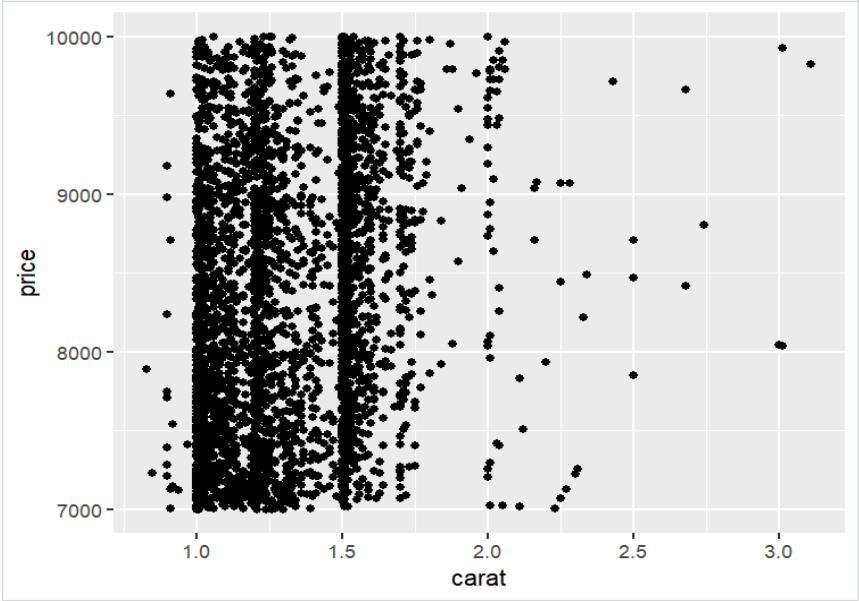
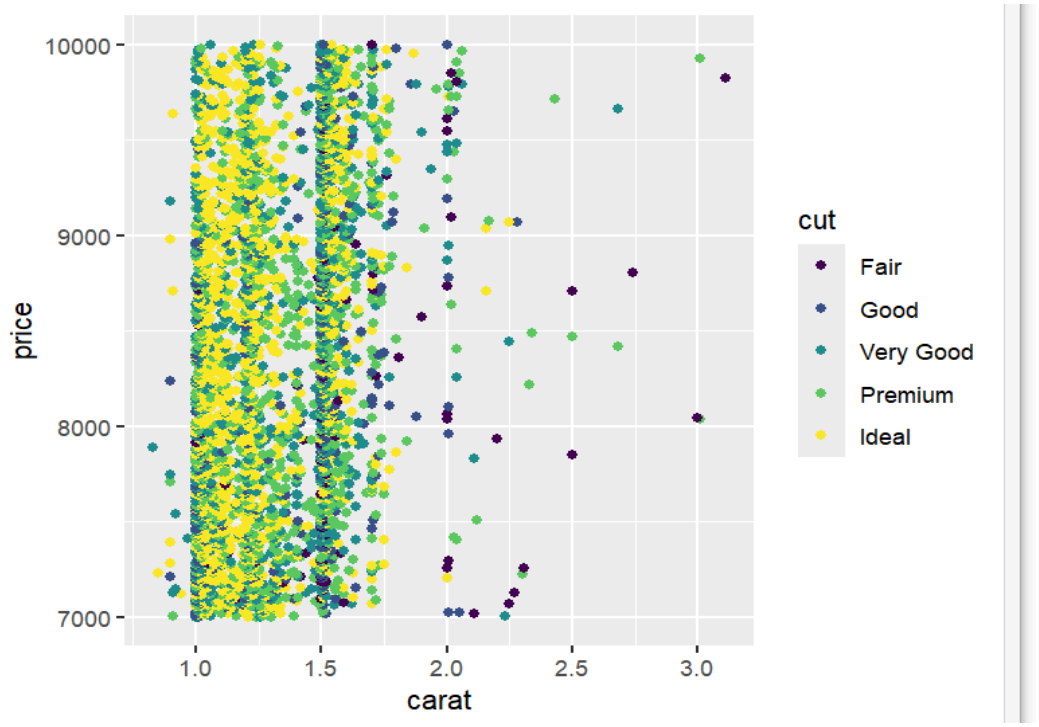
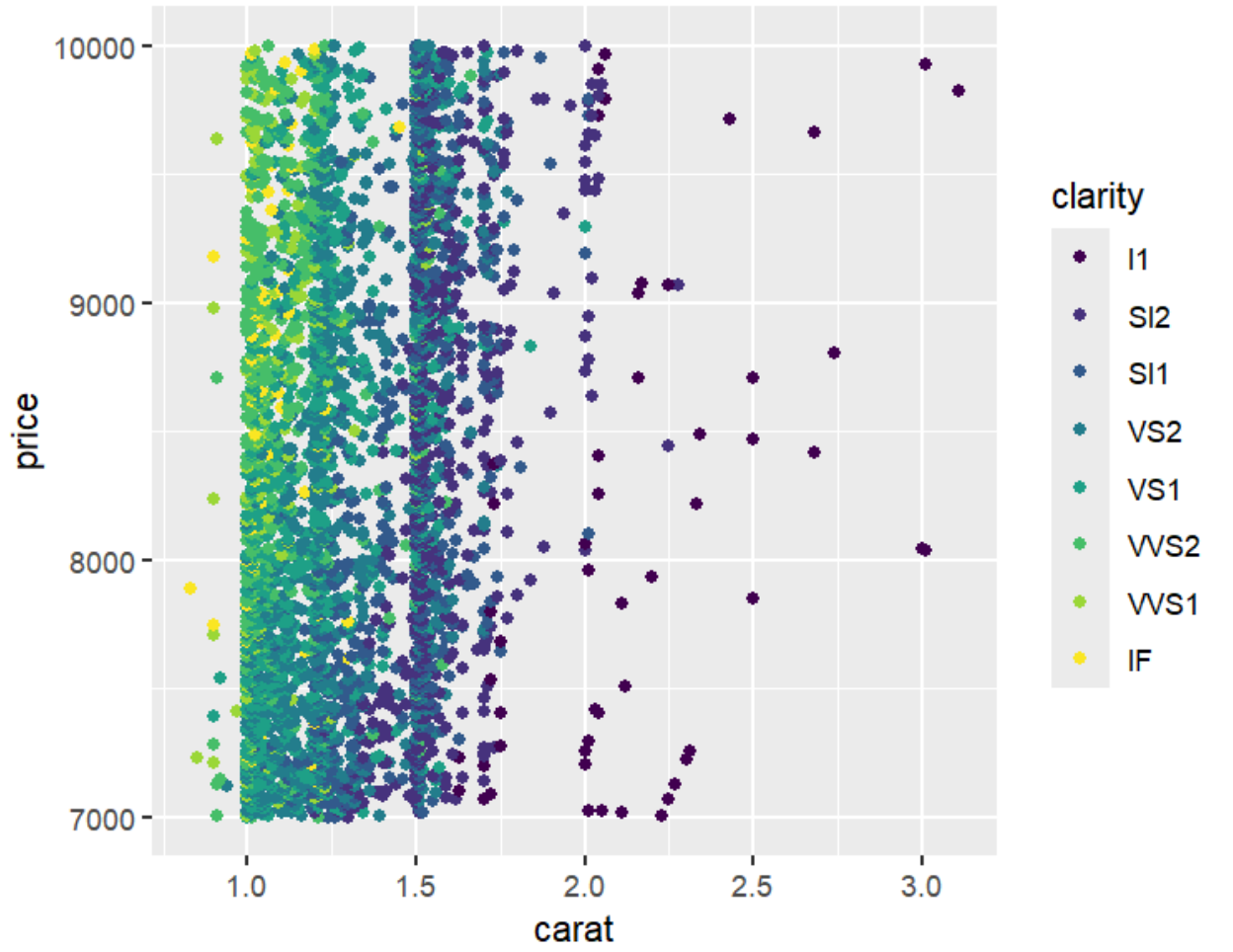
```
> # DS stands for data set
> DS <- diamonds
> # 1
> # all the rows with prices between $7000 and $10,000 (inclusive)
> mydiamonds <- subset(DS, 7000 <= price & price < 10001)
> # 2
> # the scatter plot of the price versus the carat of the
> # diamonds in my data set.
> ggplot(mydiamonds, aes(carat, price)) + geom_point()
```



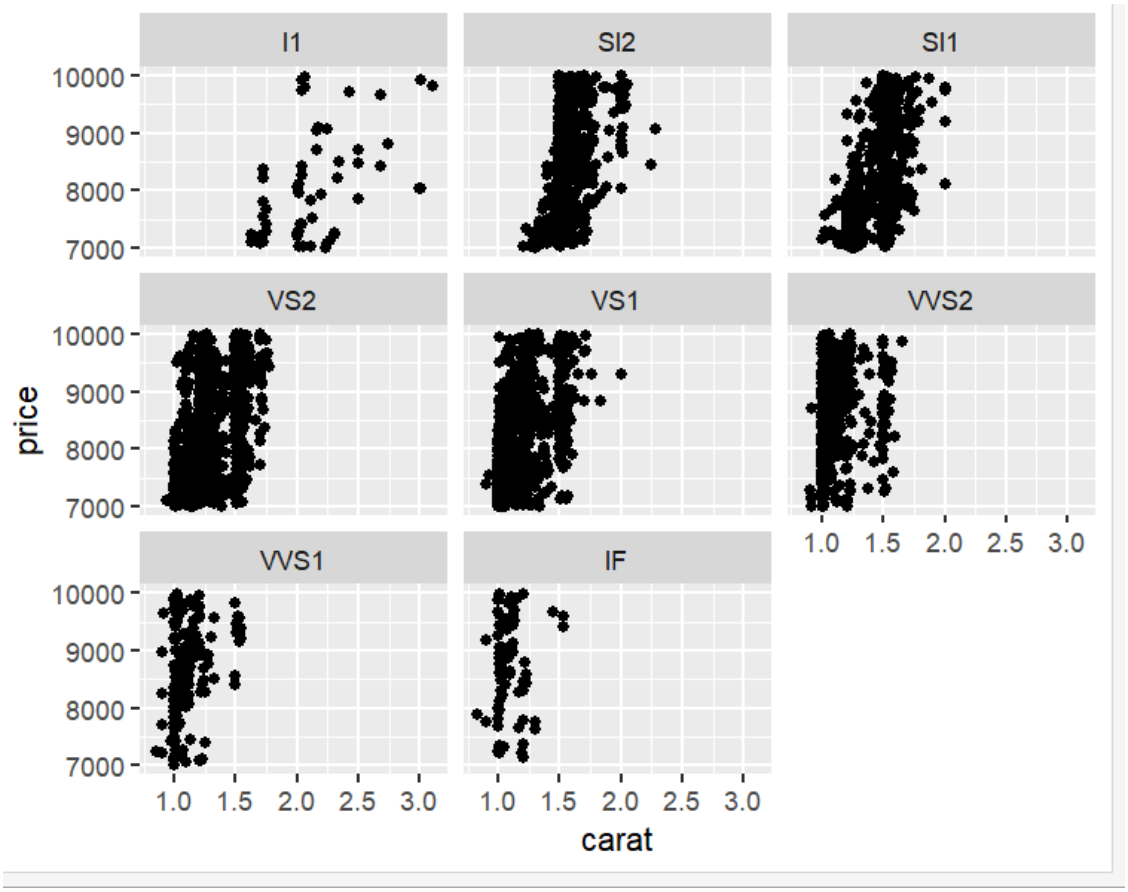

```
> # 3
> # Disaggregating the data according to the cuts of the
> # diamond using color to differentiate the different cuts.
> ggplot(mydiamonds, aes(carat, price, color = cut)) + geom_point()
```



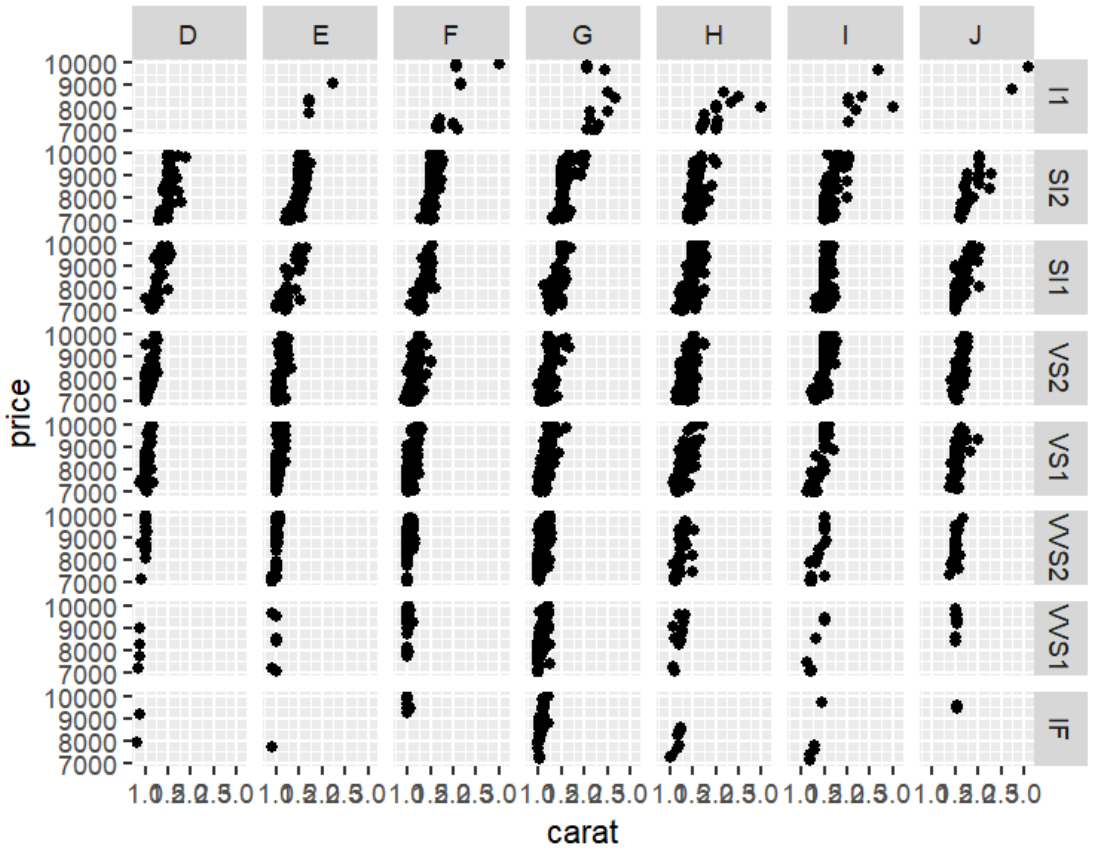

```
> # 4
> # Disaggregate the data according to the clarity of
> # the diamond using color to differentiate the different clarities.
> ggplot(mydiamonds, aes(carat, price, color = clarity)) + geom_point()
```




```
> #5
> # Creating a facet graph to disaggregate the data according to clarity.
> ggplot(mydiamonds, aes(carat, price)) + geom_point() + facet_wrap(~clarity)
```




```
> #6
> # Creating a facet grid to disaggregate the data according to
> # clarity and color.
>  ggplot(mydiamonds, aes(carat, price)) + geom_point() + facet_grid(clarity ~
color)
```


D
E
F
G
H
I
J
I1
SI2
SI1
VS2
VS1
VVS2
VVS1
IF
price
10000
9000
8000
7000
carat