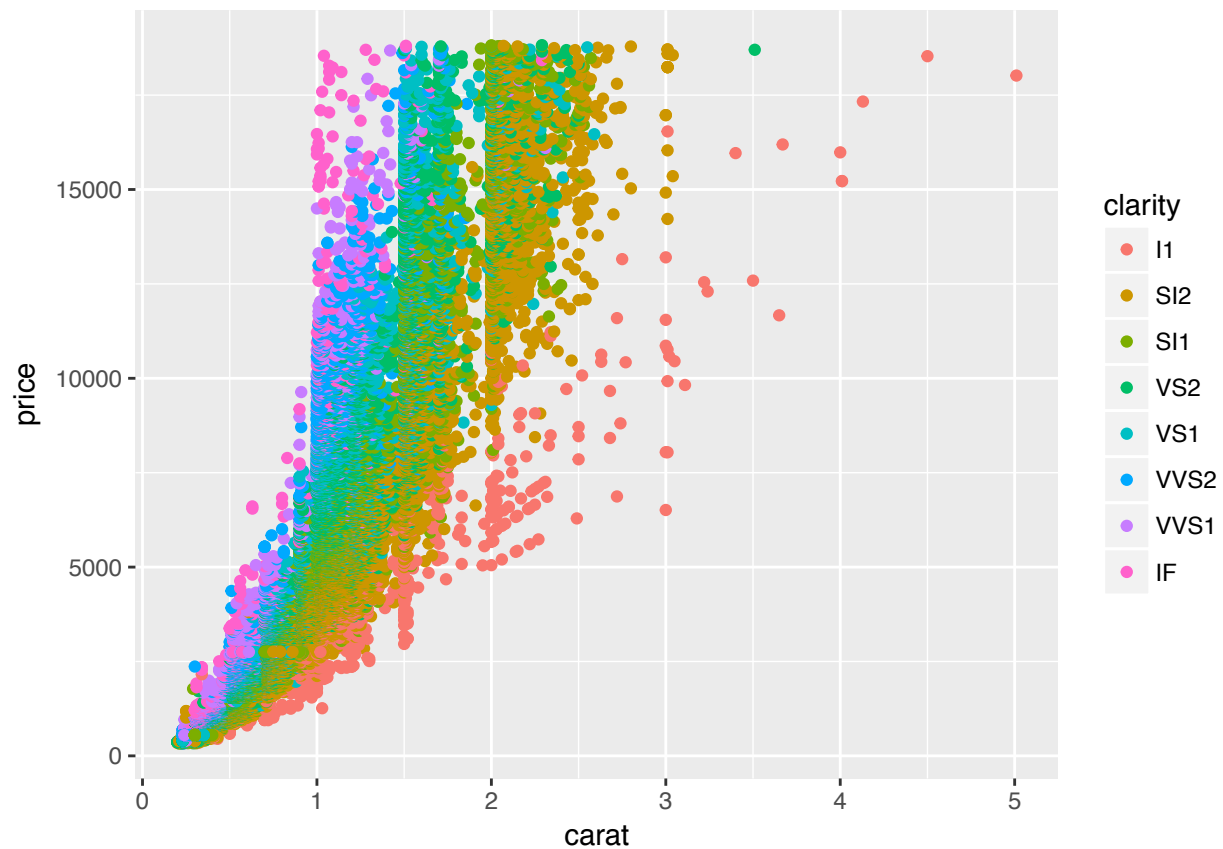


## Q2 -Produce plot and give comment

### Scatter plot

```
library(ggplot2)
library(plyr)
# read in the data file
data(diamonds)
qplot(carat, price, data = diamonds, colour = clarity)
```



### Comments:

Price always increases with all the levels of clarity. Price grows close to linear when the carat has the worst clarity. As the clarity increases the price starts to grow quadratically. When the carat has the best clarity(IF) price grows the fastest. So from this plot we can see that carat clarity has a big effect on the price.