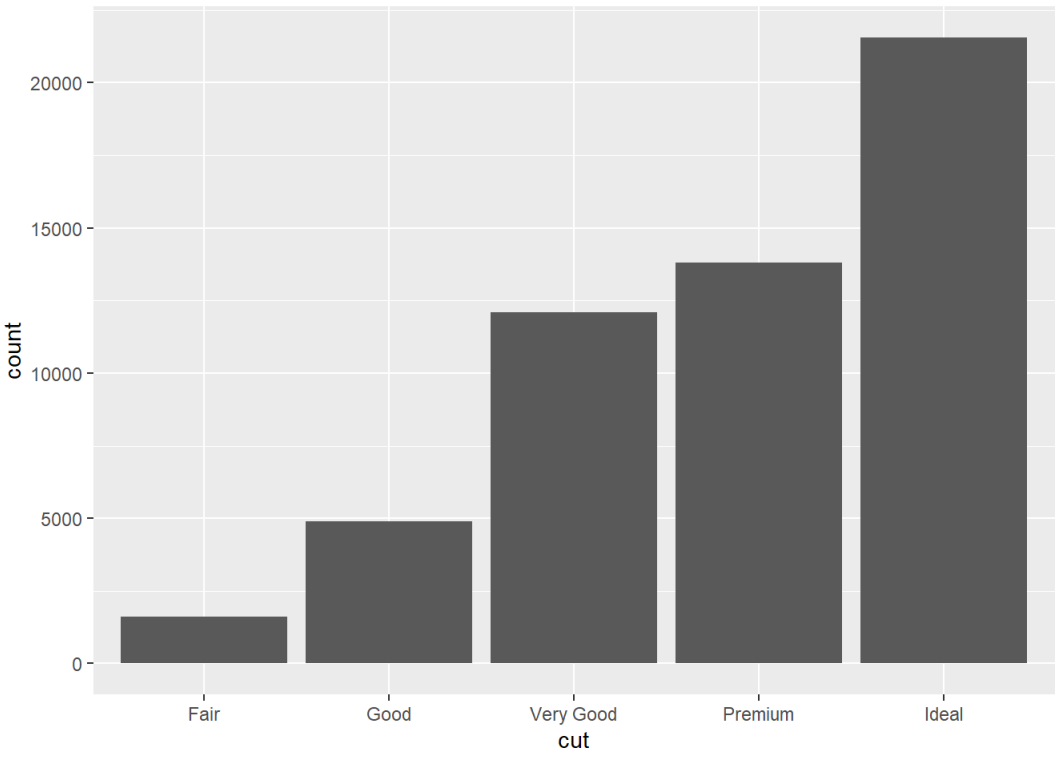
Bhavya

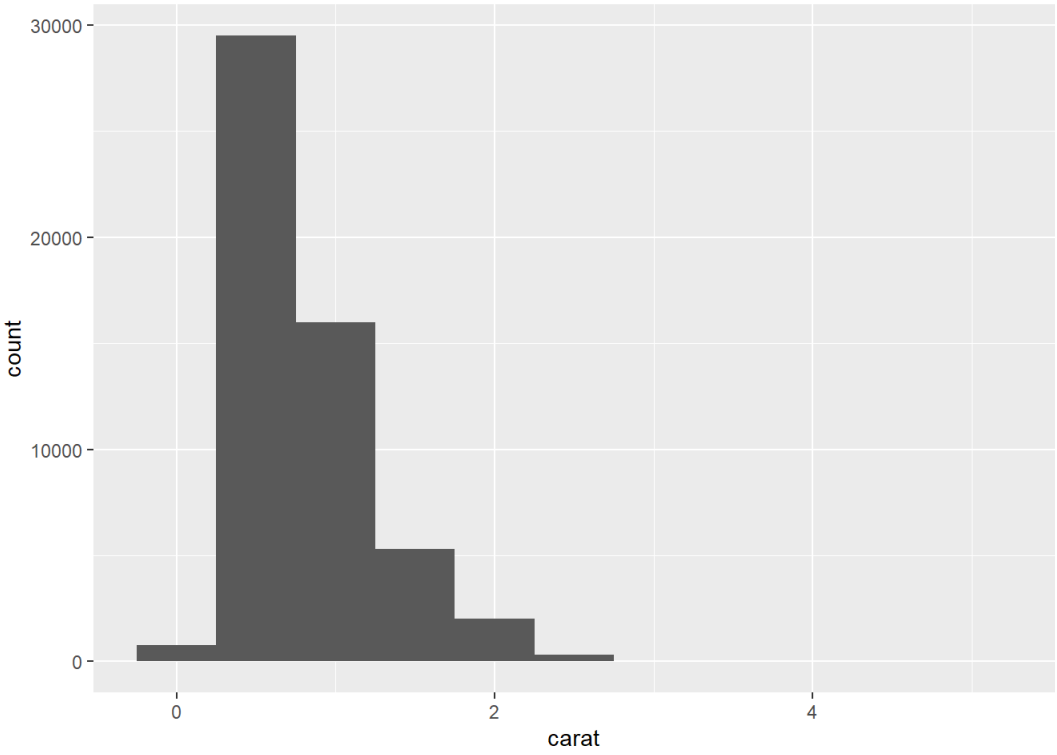
```
library(ggplot2)
```

```
ggplot (data = diamonds) +
  geom_bar(mapping = aes(x = cut))
```



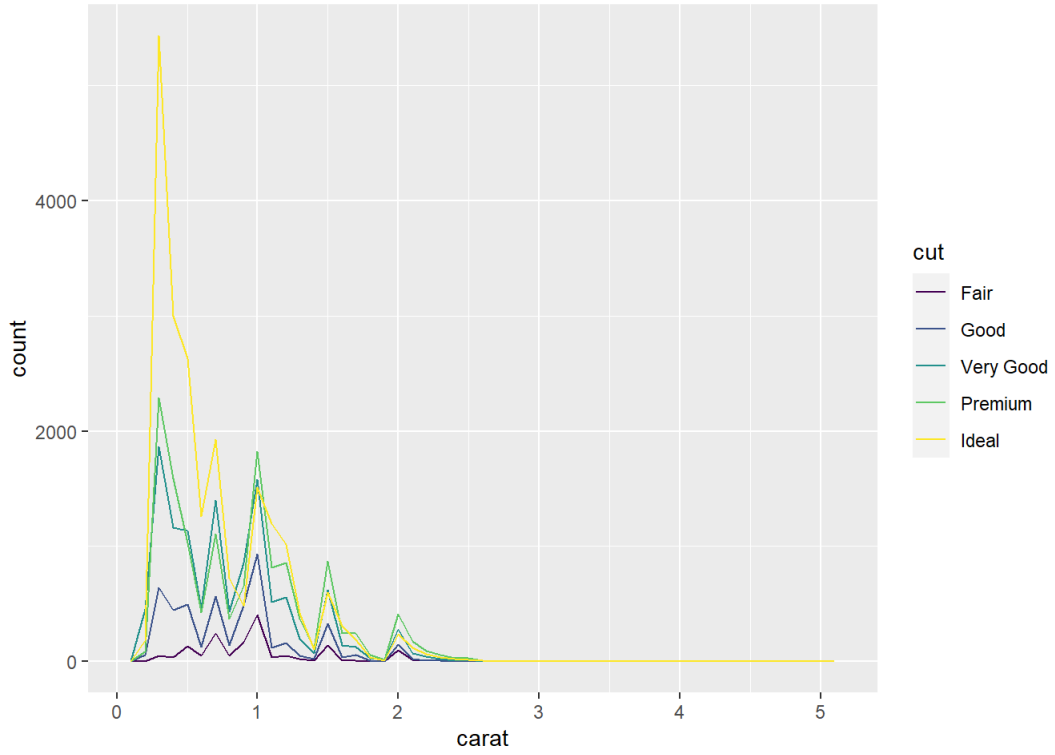
##3

```
ggplot (data=diamonds) +
  geom_histogram(mapping = aes(x = carat), binwidth = 0.5)
```



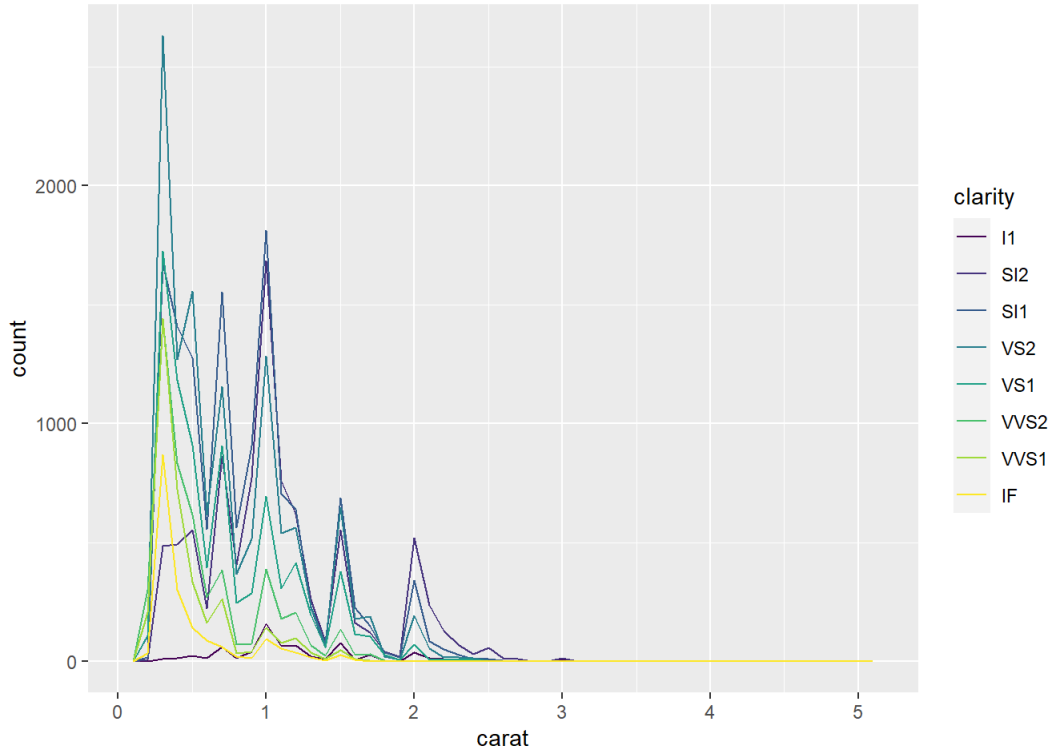
##4

```
ggplot(data = diamonds, mapping = aes(x = carat, colour = cut)) +
  geom_freqpoly(binwidth = 0.1)
```



##5

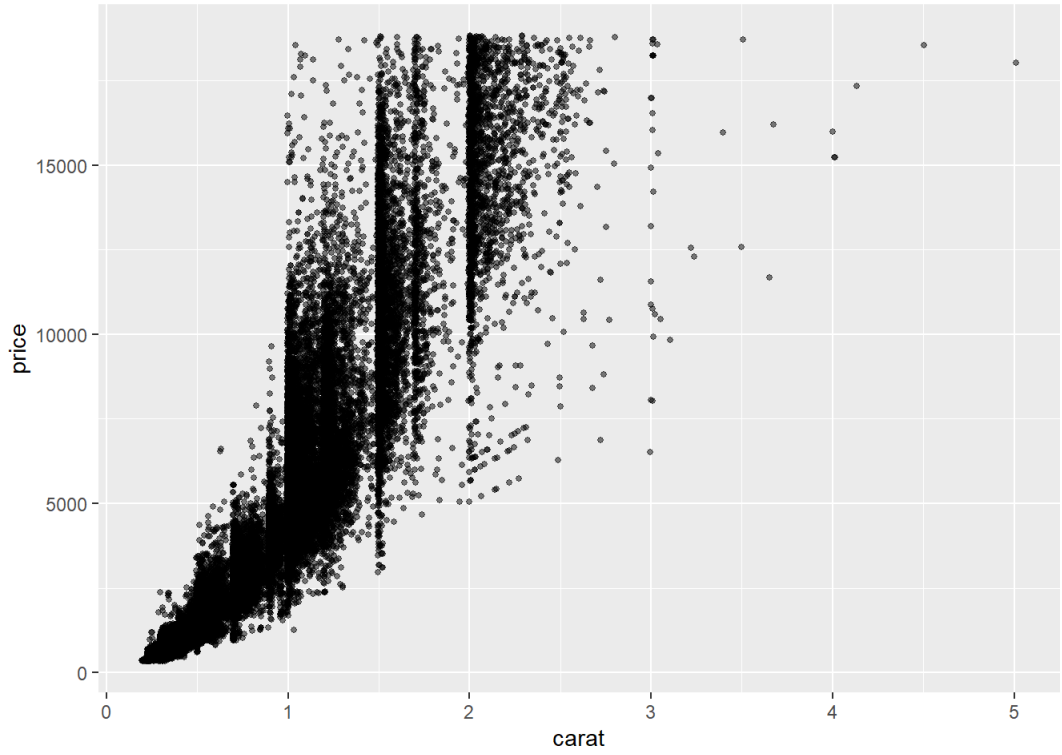
```
ggplot(data = diamonds, mapping = aes(x = carat, colour = clarity)) +
  geom_freqpoly(binwidth = 0.1)
```



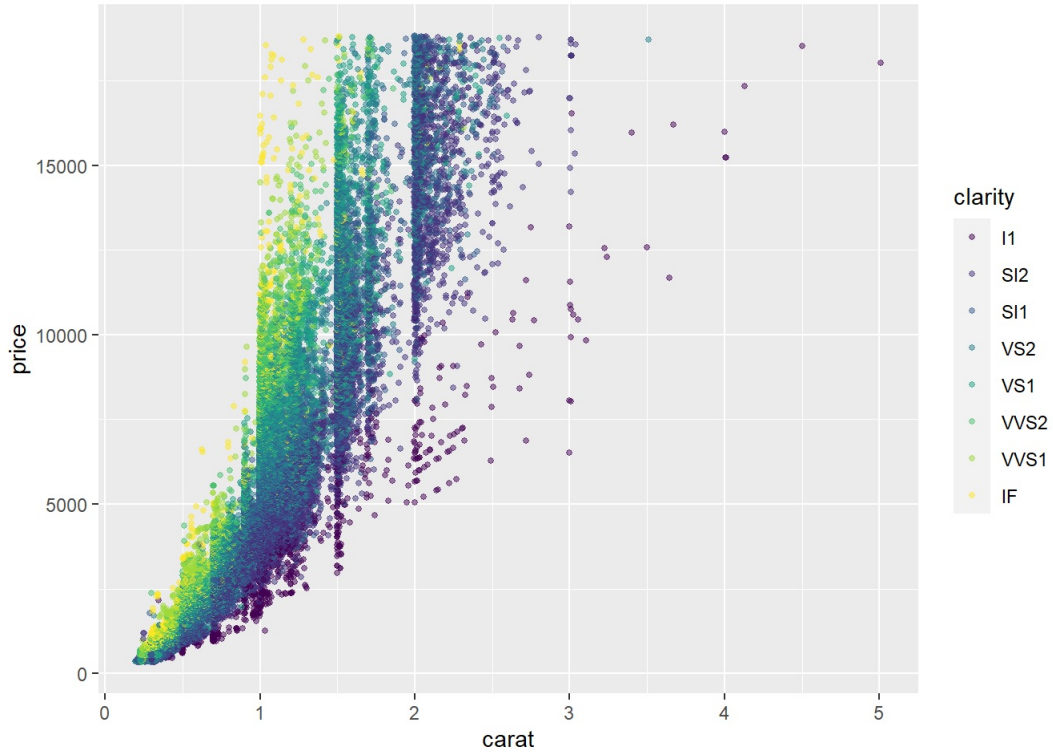
##6

```
##carat vs price

ggplot(aes(x = carat, y = price), data = diamonds) +
  geom_point(alpha = 0.5, size = 1, position = 'jitter')
```

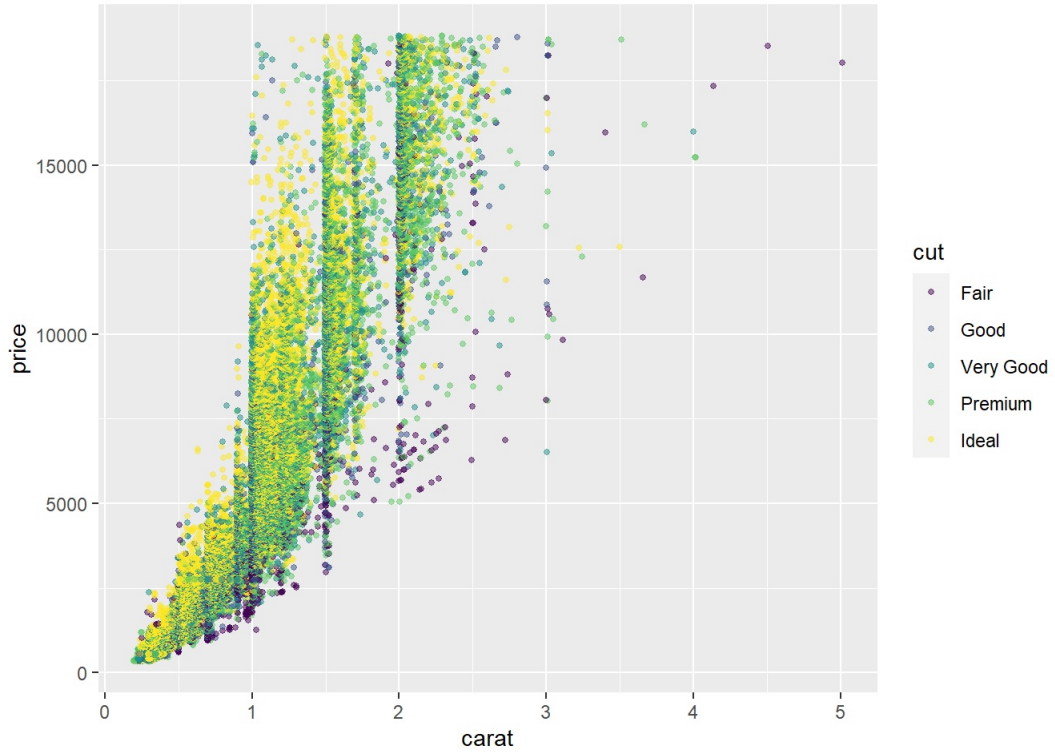



```
## carat vs price and clarity
ggplot(aes(x = carat, y = price,color=clarity), data = diamonds) +
  geom_point(alpha = 0.5, size = 1, position = 'jitter')
```




```
## price vs clarity and cut

ggplot(aes(x = carat, y = price, color = cut), data = diamonds) +
  geom_point(alpha = 0.5, size = 1, position = 'jitter')
```




```
##Price vs. Carat and Color

ggplot(aes(x = carat, y = price, color = color), data = diamonds) +
  geom_point(alpha = 0.5, size = 1, position = 'jitter')
```