

```
#Daniel Hanks Jr
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```
#load ggplot library
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```
install.packages("ggplot2")
```

```
library(ggplot2)
```

```
#Make the sample reproducible
```

```
set.seed(1410)
```

```
#random sample of 100 diamonds
```

```
dsmall <- diamonds[sample(nrow(diamonds), 100), ]
```

```
#Investigate distribution of price per carat, conditional on color
```

```
qplot(color,price/carat,data=diamonds, geom="jitter",alpha=(1/5))
```

```
#distribution of price conditioned on (diamond)cut
```

```
qplot(carat,price,color=cut,data=dsmall)
```