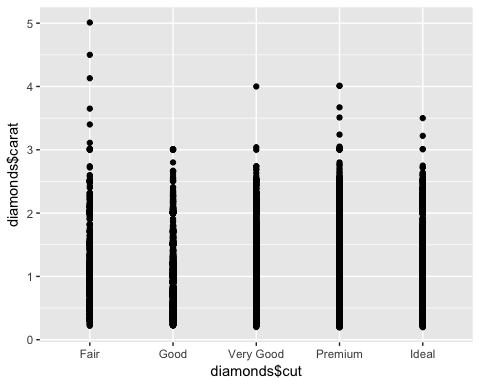
# <http://had.co.nz/ggplot2>

### This HTML page was created using knitr by taking a simple R script by Hadley Wickham and adding some R markdown.

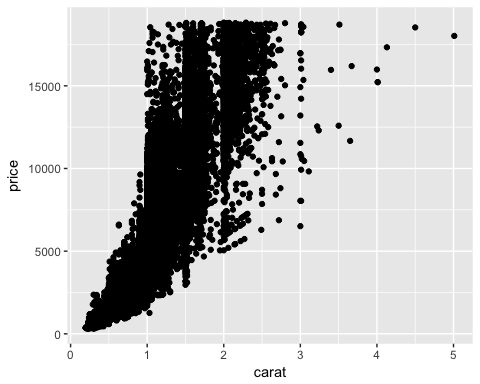
library(ggplot2)

## qplot examples

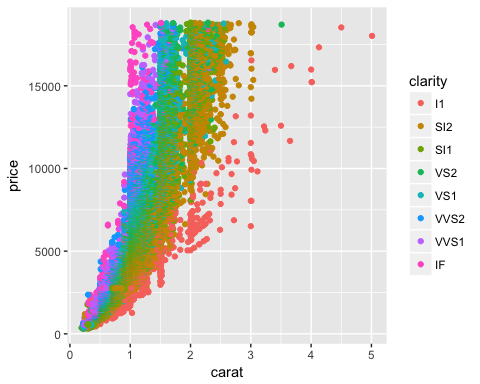
qplot(diamonds$cut, diamonds$carat)



qplot(carat, price, data = diamonds)

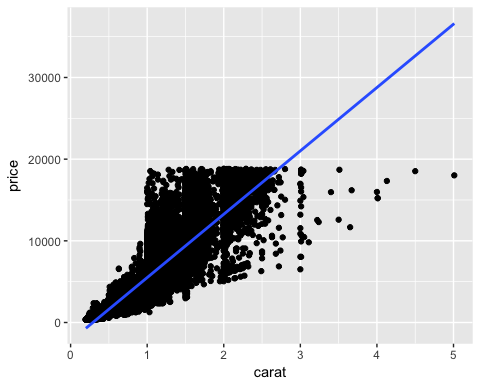


qplot(carat, price, data = diamonds, colour=clarity)



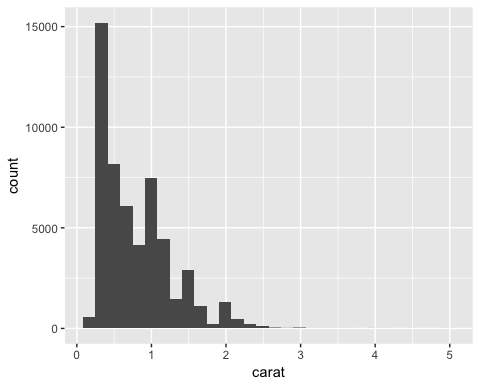
qplot(carat, price, data = diamonds, geom=c("point", "smooth"), method=lm)

## Warning: Ignoring unknown parameters: method

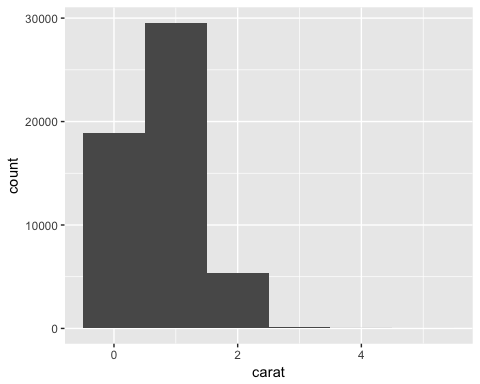


qplot(carat, data = diamonds, geom="histogram")

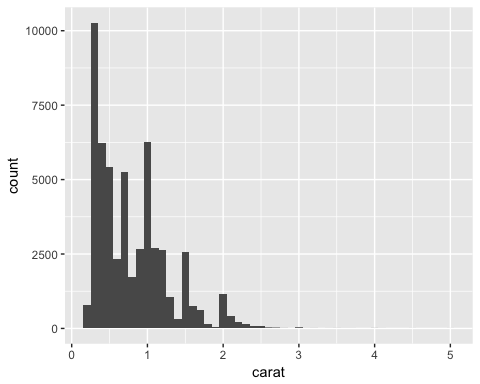
## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



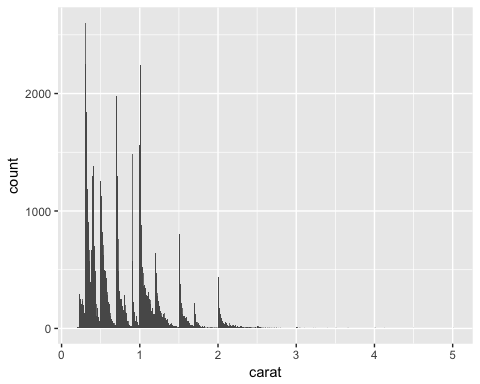
qplot(carat, data = diamonds, geom="histogram", binwidth = 1)



qplot(carat, data = diamonds, geom="histogram", binwidth = 0.1)



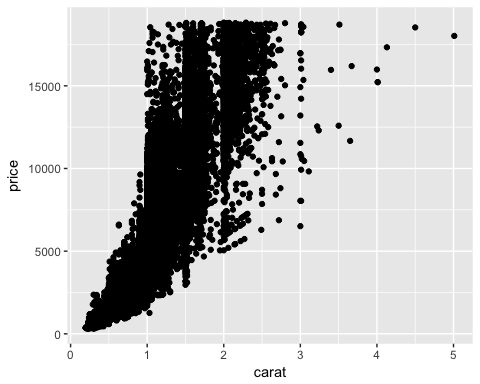
qplot(carat, data = diamonds, geom="histogram", binwidth = 0.01)



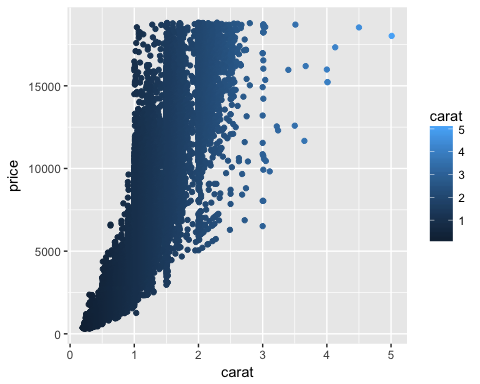
## using ggplot()

d <- ggplot(diamonds, aes(x=carat, y=price))

d + geom\_point()

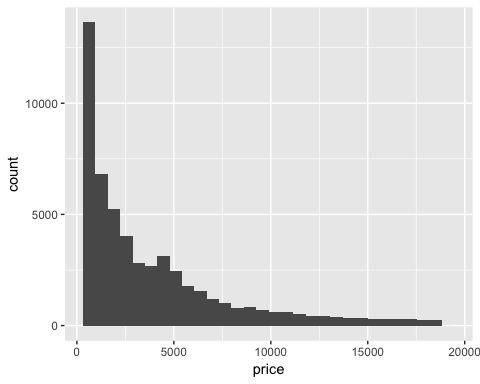


d + geom\_point(aes(colour = carat))



ggplot(diamonds) + geom\_histogram(aes(x=price))

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.

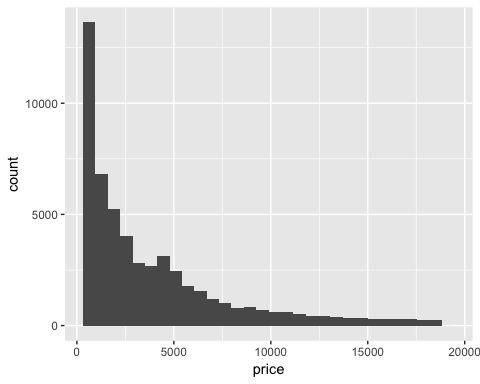


## Separation of statistcs and geometric elements

p <- ggplot(diamonds, aes(x=price))

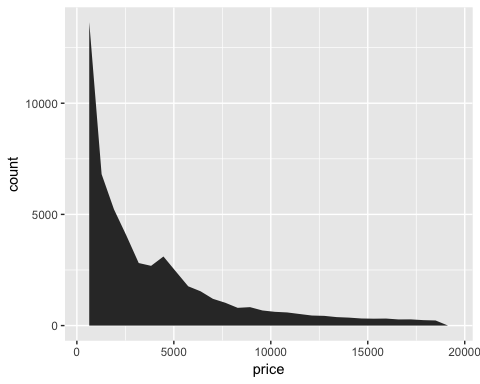
p + geom\_histogram()

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



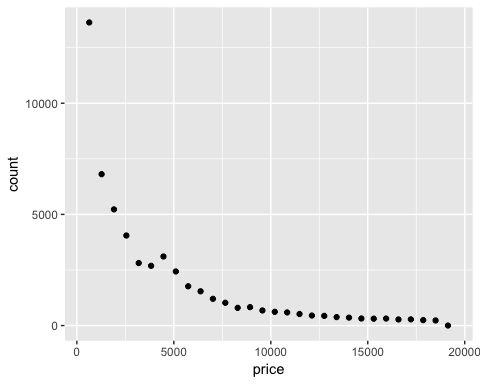
p + stat\_bin(geom="area")

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



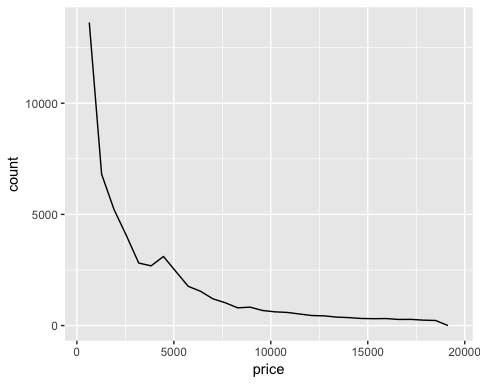
p + stat\_bin(geom="point")

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



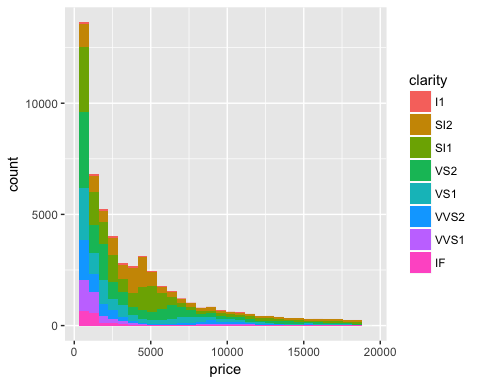
p + stat\_bin(geom="line")

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



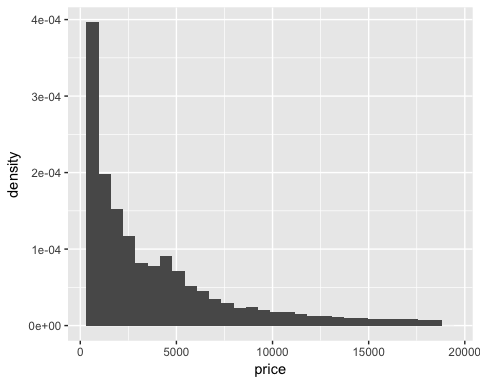
p + geom\_histogram(aes(fill = clarity))

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



p + geom\_histogram(aes(y = ..density..))

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.

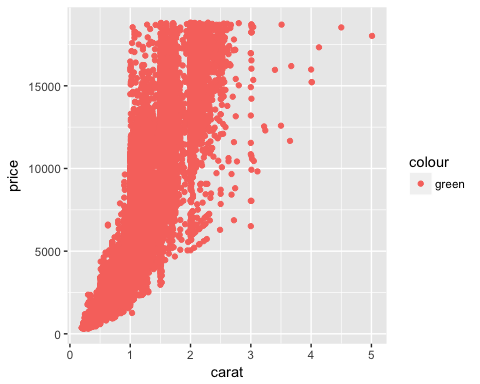


## Setting vs mapping

p <- ggplot(diamonds, aes(x=carat,y=price))

## What will this do?

p + geom\_point(aes(colour = "green"))



p + geom\_point(colour = "green")

