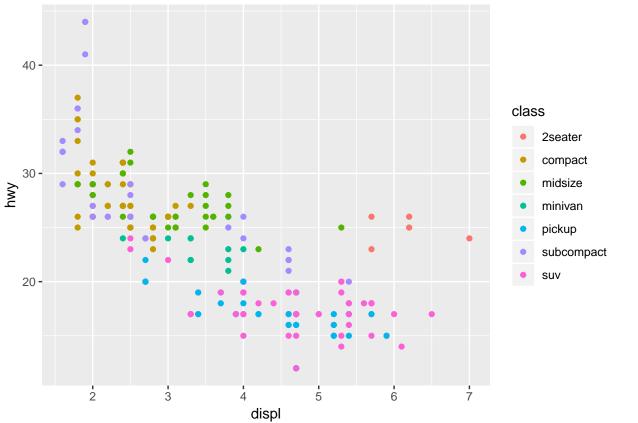
Graphs_In_R.R

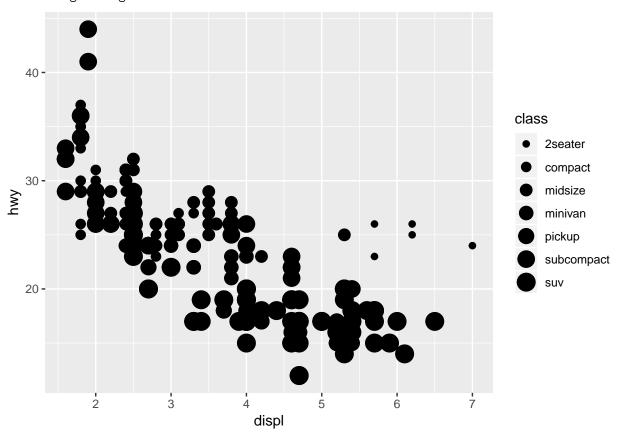
dieudon neouedra ogo

Tue Mar 5 17:58:02 2019

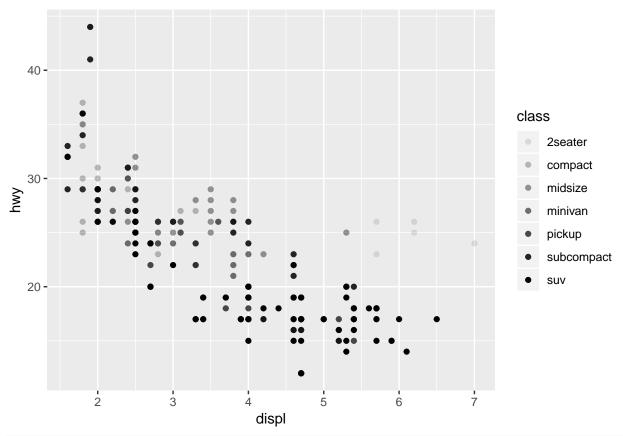
```
library(tidyverse)
## -- Attaching packages -----
                                 ----- tidyverse 1.2.1 --
## v ggplot2 3.1.0
            v purrr
                   0.2.5
## v tibble 2.0.1
            v dplyr 0.7.8
## v tidyr
      0.8.2
            v stringr 1.3.1
## v readr
      1.3.1
            v forcats 0.3.0
## Warning: package 'tibble' was built under R version 3.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
          masks stats::lag()
ggplot(data=mpg)+
geom_point(mapping = aes(x = displ, y = hwy, color = class))
```



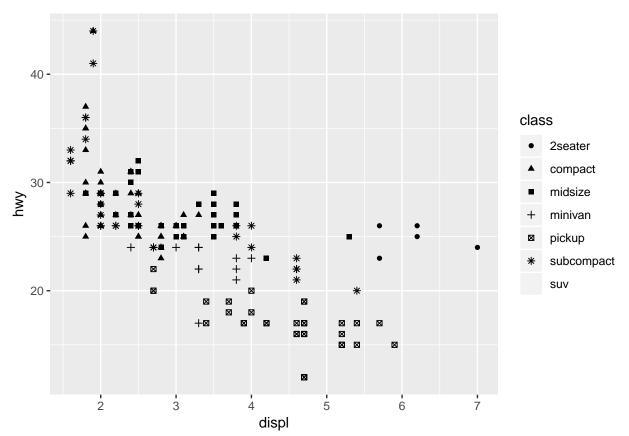
Warning: Using size for a discrete variable is not advised.

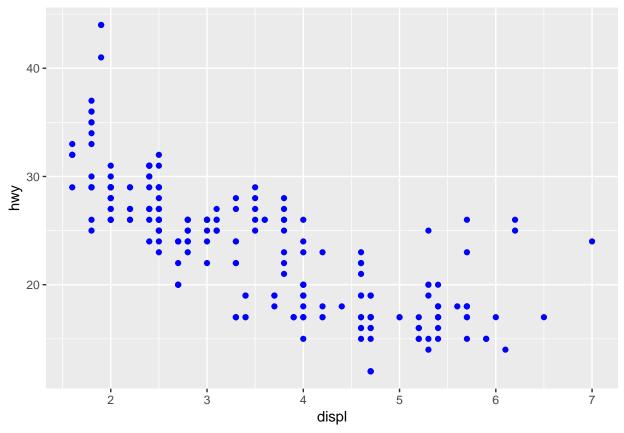


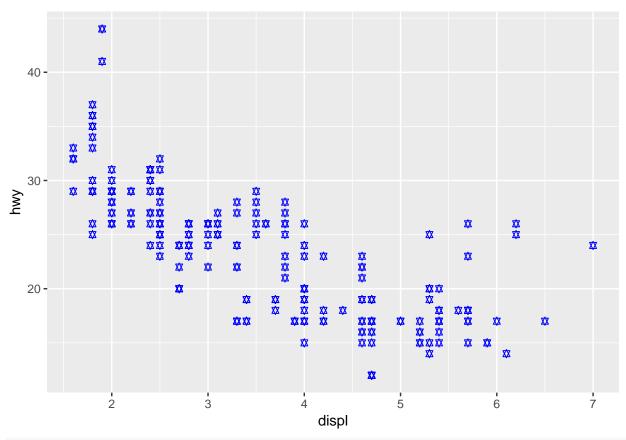
 $\mbox{\tt \#\#}$ Warning: Using alpha for a discrete variable is not advised.

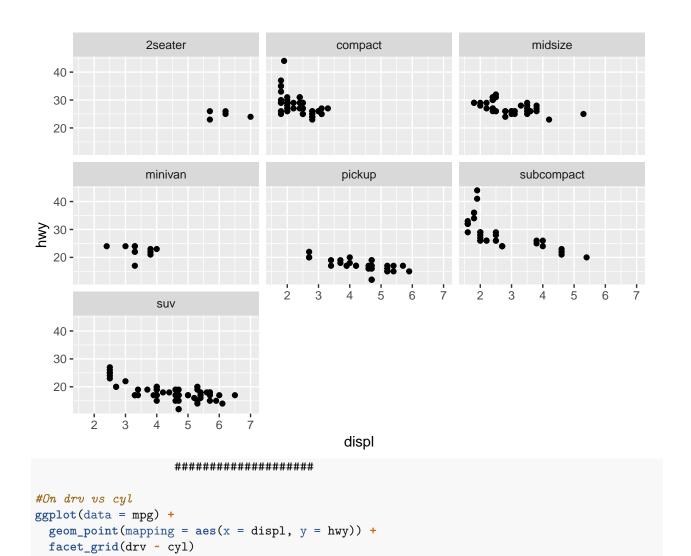


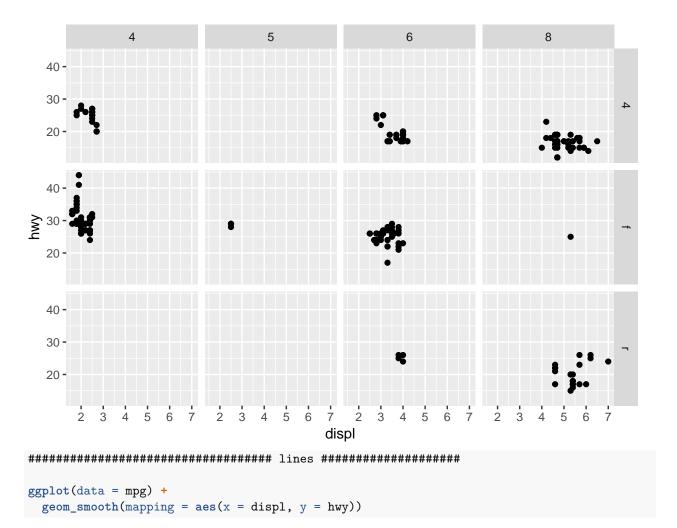
- ## Warning: The shape palette can deal with a maximum of 6 discrete values
- ## because more than 6 becomes difficult to discriminate; you have 7.
- ## Consider specifying shapes manually if you must have them.
- ## Warning: Removed 62 rows containing missing values (geom_point).



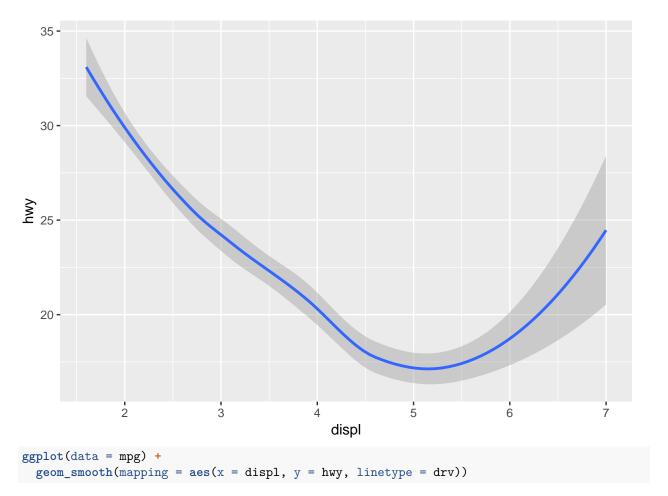




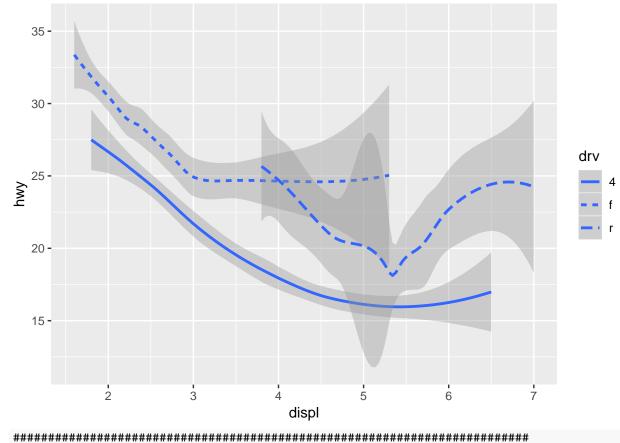




$geom_smooth()$ using method = 'loess' and formula 'y ~ x'

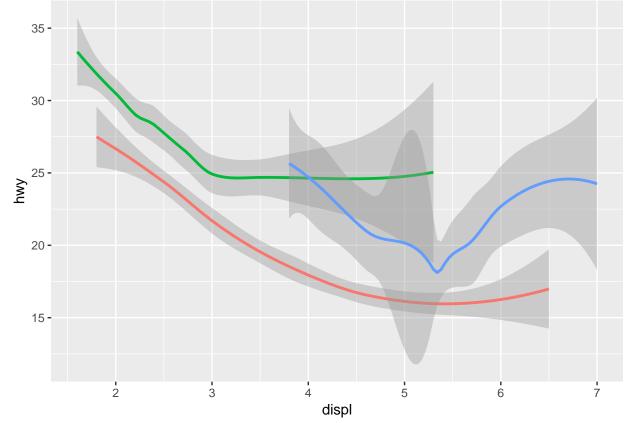


$geom_smooth()$ using method = 'loess' and formula 'y ~ x'

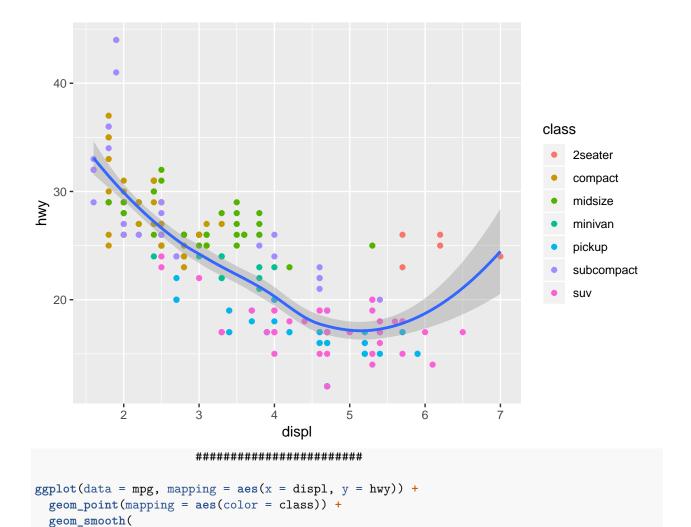


```
ggplot(data = mpg) +
  geom_smooth(
   mapping = aes(x = displ, y = hwy, color = drv),
   show.legend = FALSE
)
```

$geom_smooth()$ using method = 'loess' and formula 'y ~ x'



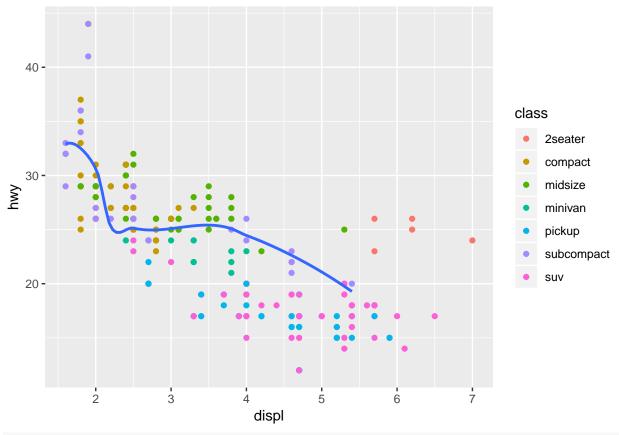
$geom_smooth()$ using method = 'loess' and formula 'y ~ x'

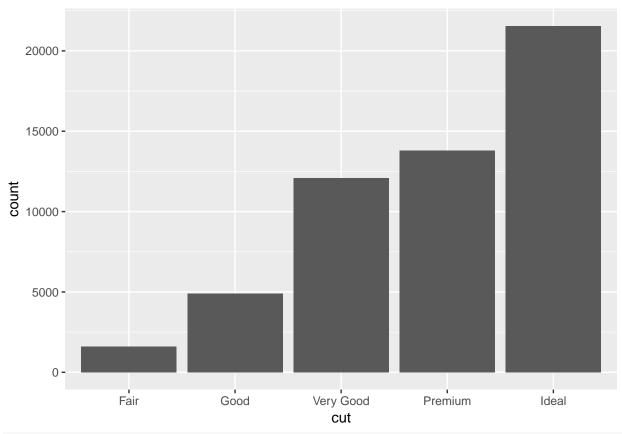


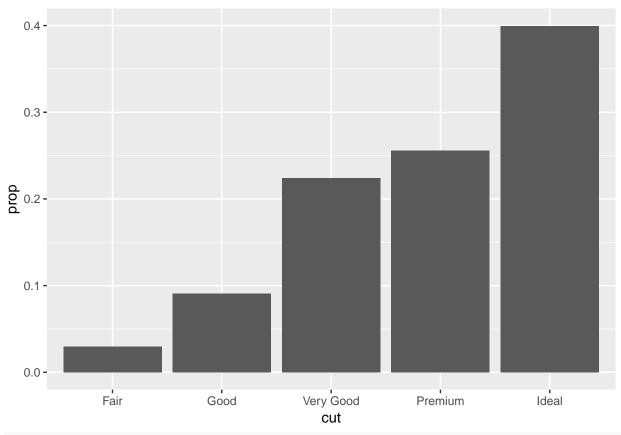
```
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```

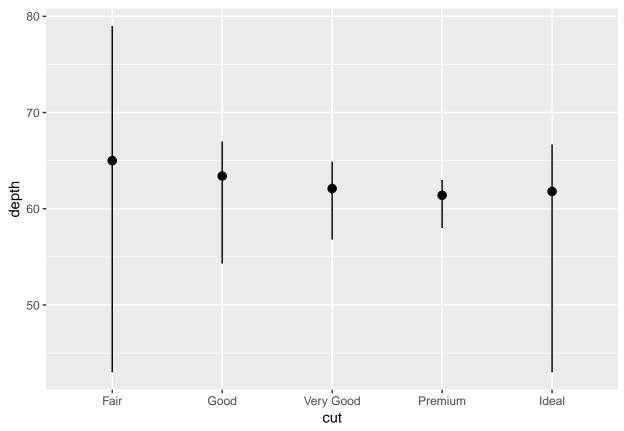
data = filter(mpg, class == "subcompact"),

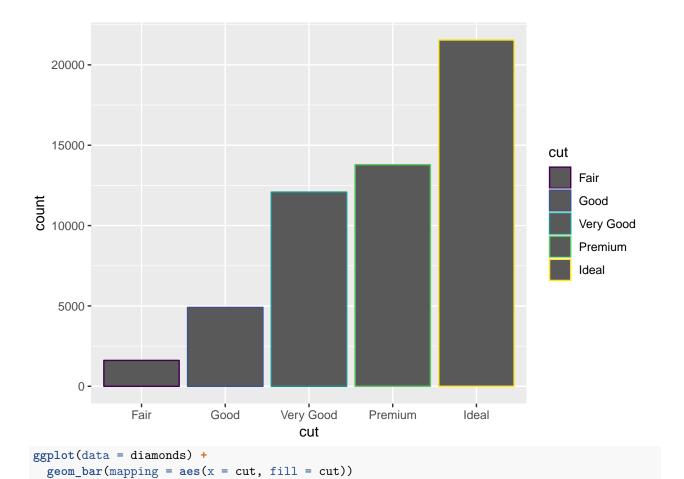
se = FALSE)

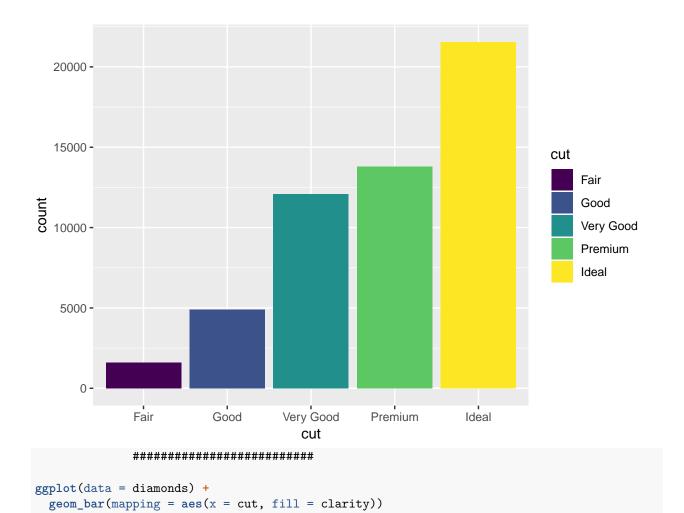


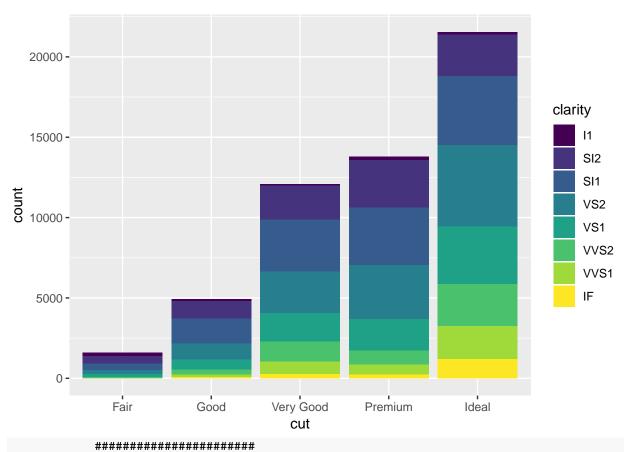




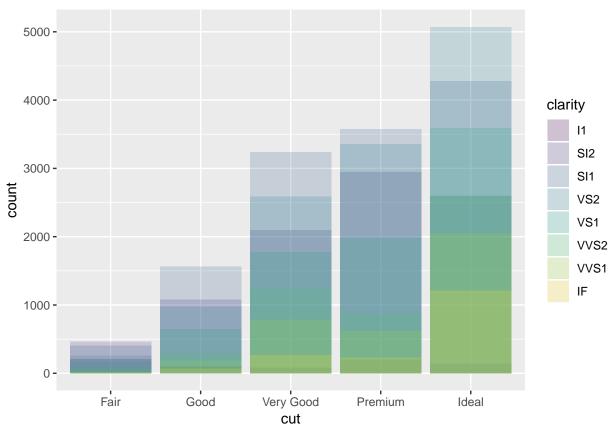




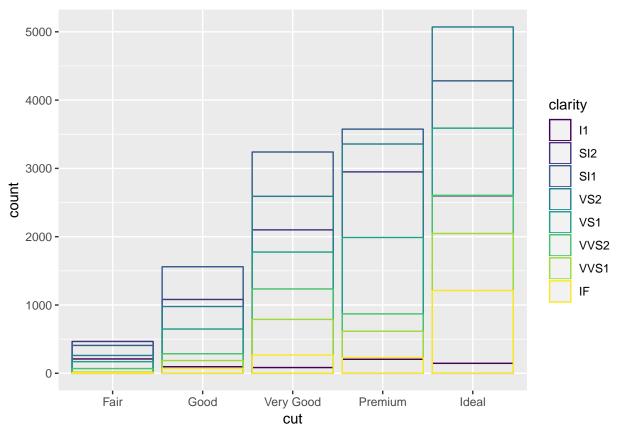




```
ggplot(
  data = diamonds,
  mapping = aes(x = cut, fill = clarity)
)+
  geom_bar(alpha = 1/5, position = "identity")
```

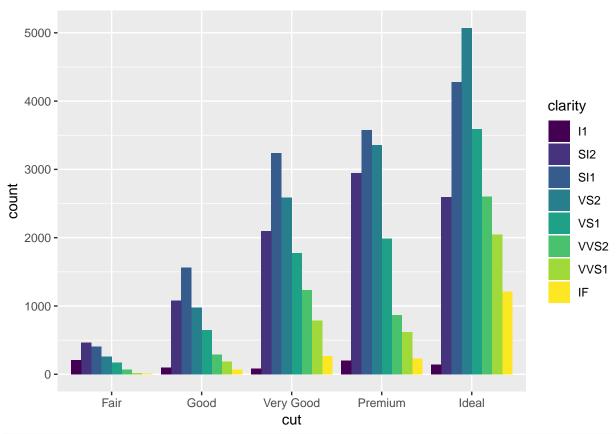


```
ggplot(
  data = diamonds,
  mapping = aes(x = cut, color = clarity)
)+
  geom_bar(fill = NA, position = "identity")
```



```
#position = "dodge" places overlapping objects directly beside one another.
#This makes it easier to compare individual values:

ggplot(data = diamonds) +
geom_bar(
   mapping = aes(x = cut, fill = clarity),
   position = "dodge"
)
```



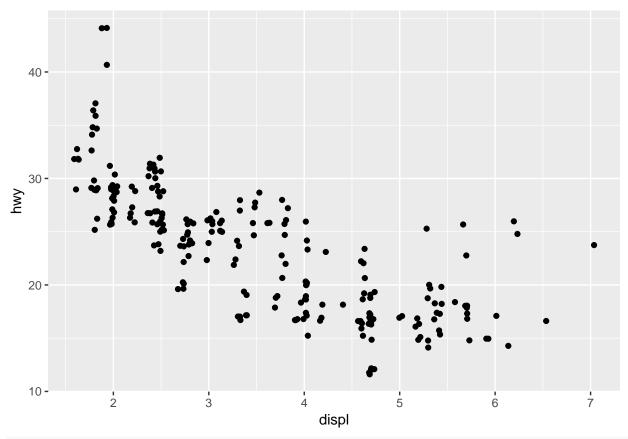
####### Jitters to differenciate point

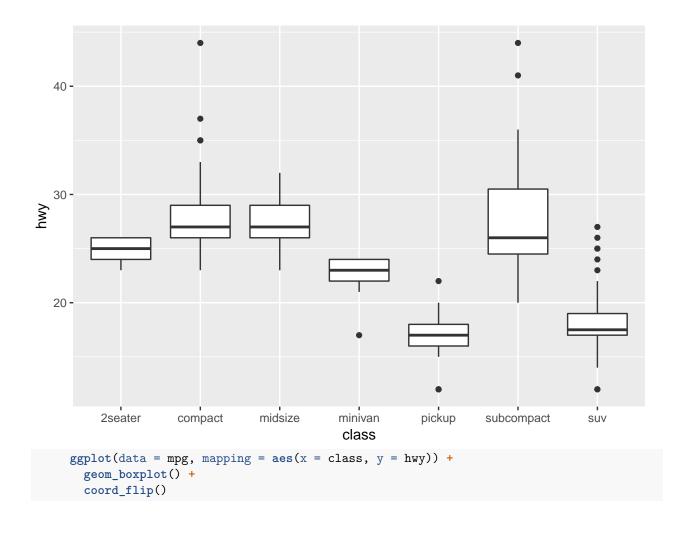
#You can avoid this gridding by setting the position adjustment to "jitter." position = "jitter"

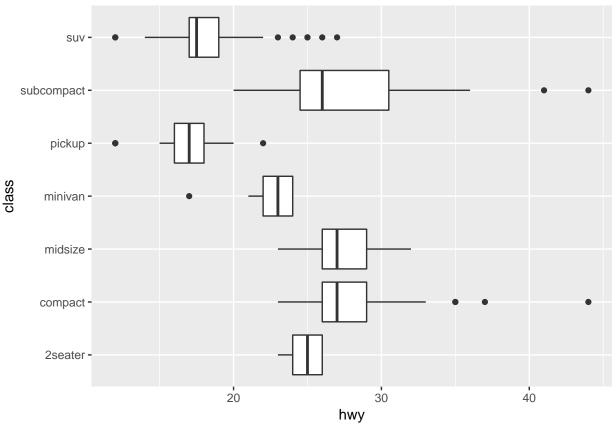
#adds a small amount of random noise to each point. This spreads the points out because no two point

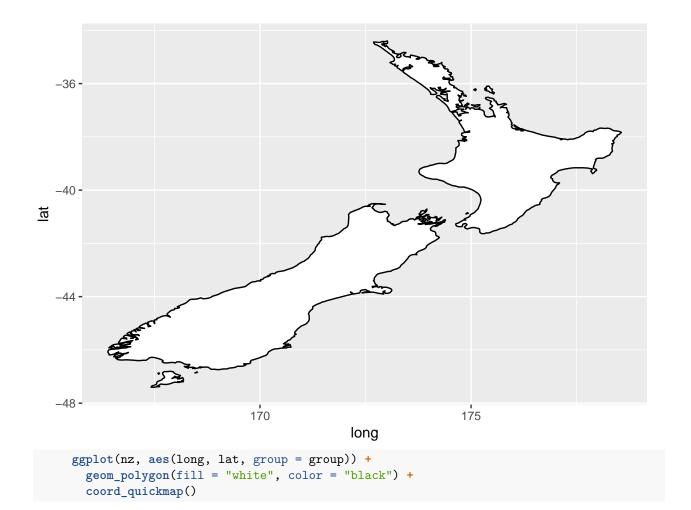
ggplot(data = mpg) +

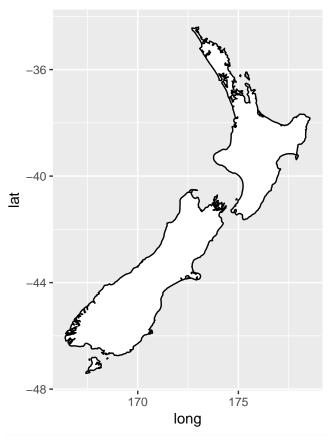
geom_point(
 mapping = aes(x = displ, y = hwy),
 position = "jitter"
)











```
#coord_polar() uses polar coordinates. Polar coordinates reveal an interesting connection
#between a bar chart and a Coxcomb chart:
    bar <- ggplot(data = diamonds) +
    geom_bar(
        mapping = aes(x = cut, fill = cut), show.legend = FALSE,
        width = 1
    )+
    theme(aspect.ratio = 1) + labs(x = NULL, y = NULL)
    bar + coord_flip()</pre>
```

