

Activity-GGPlot2

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```
library(tidyverse)

## Warning: package 'tidyverse' was built under R version 4.1.2

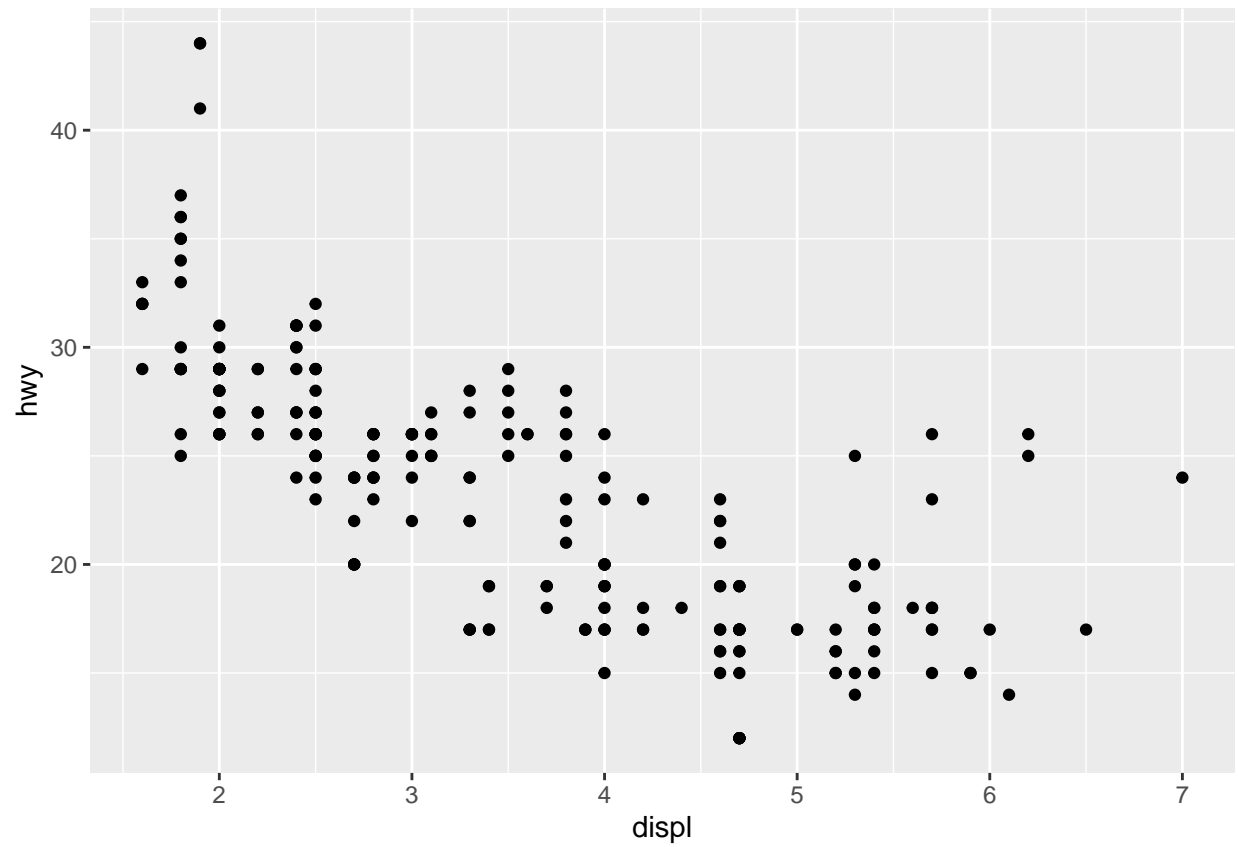
## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5      v purrr   0.3.4
## v tibble  3.1.5      v dplyr   1.0.7
## v tidyr   1.1.4      v stringr 1.4.0
## v readr   2.0.2      v forcats 0.5.1

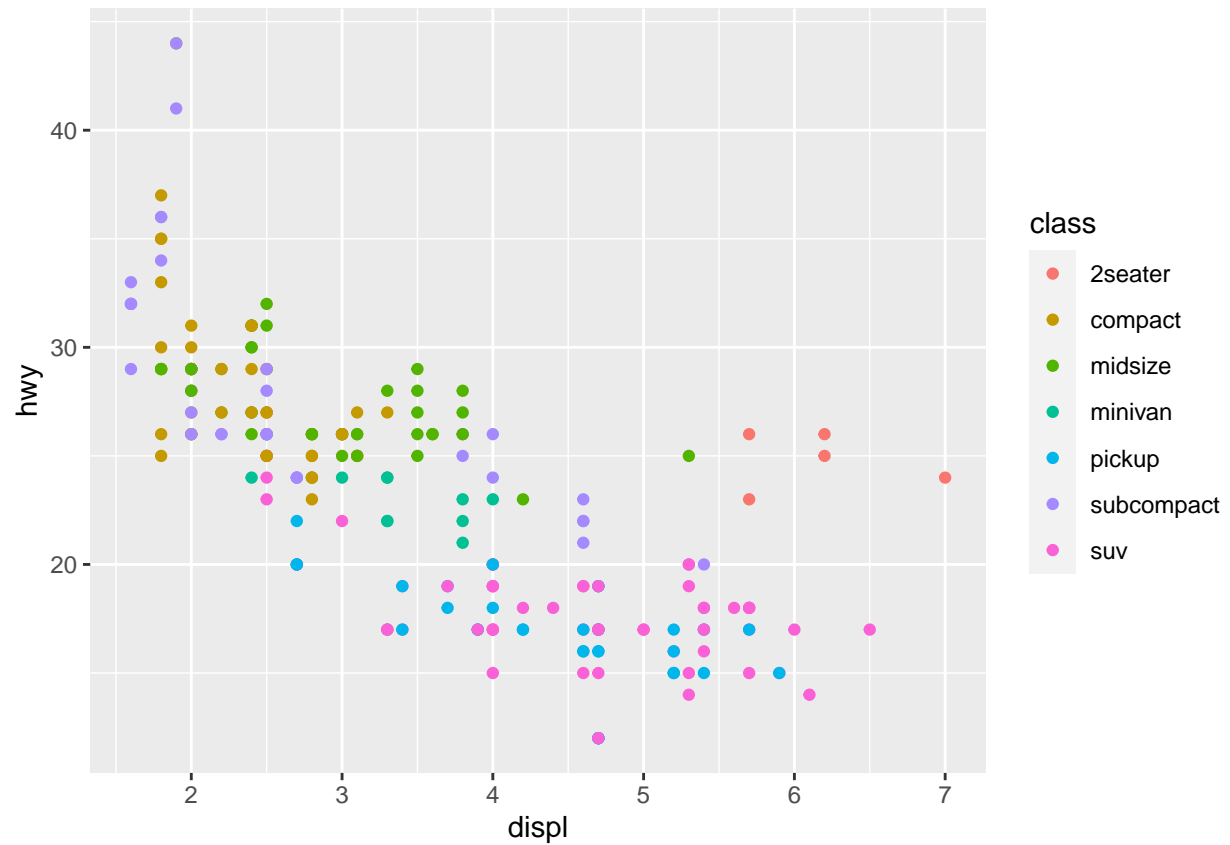
## Warning: package 'forcats' was built under R version 4.1.2

## -- 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))
```

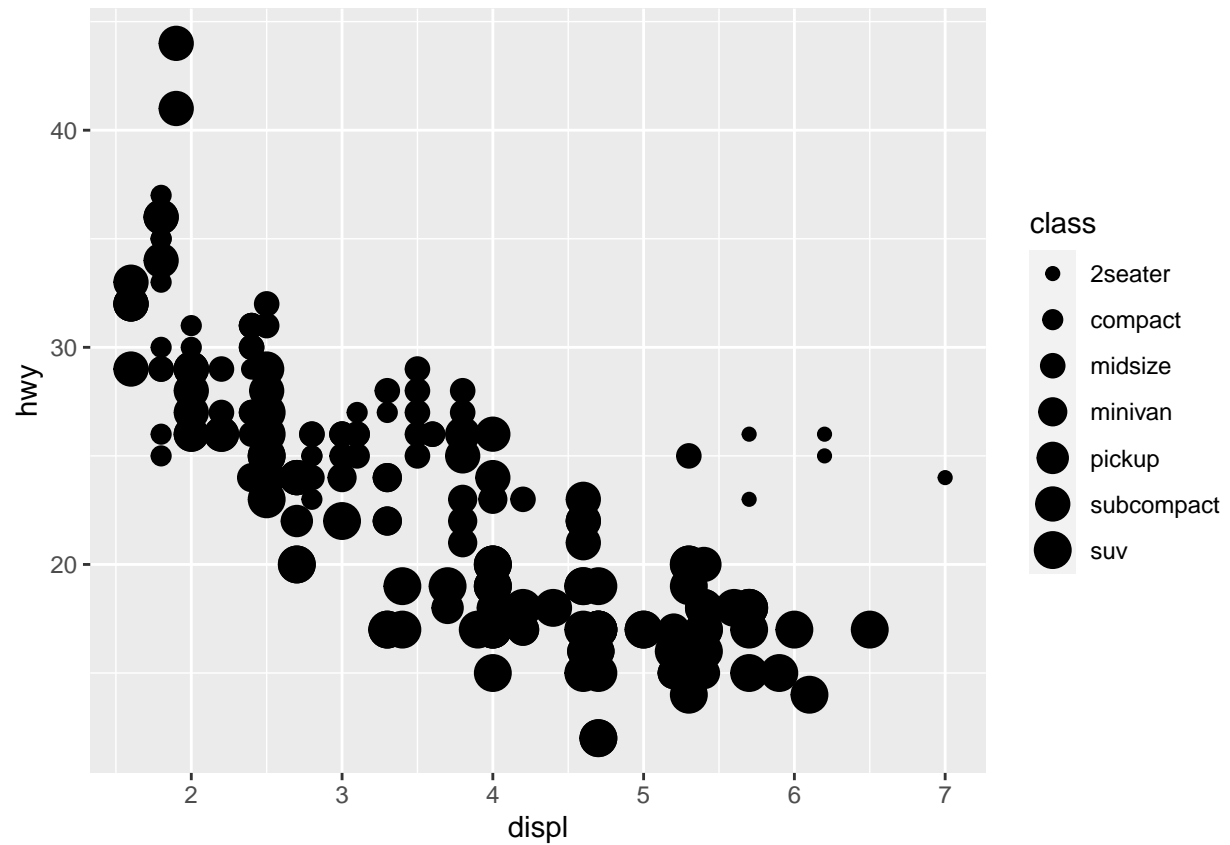


```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy, color = class))
```



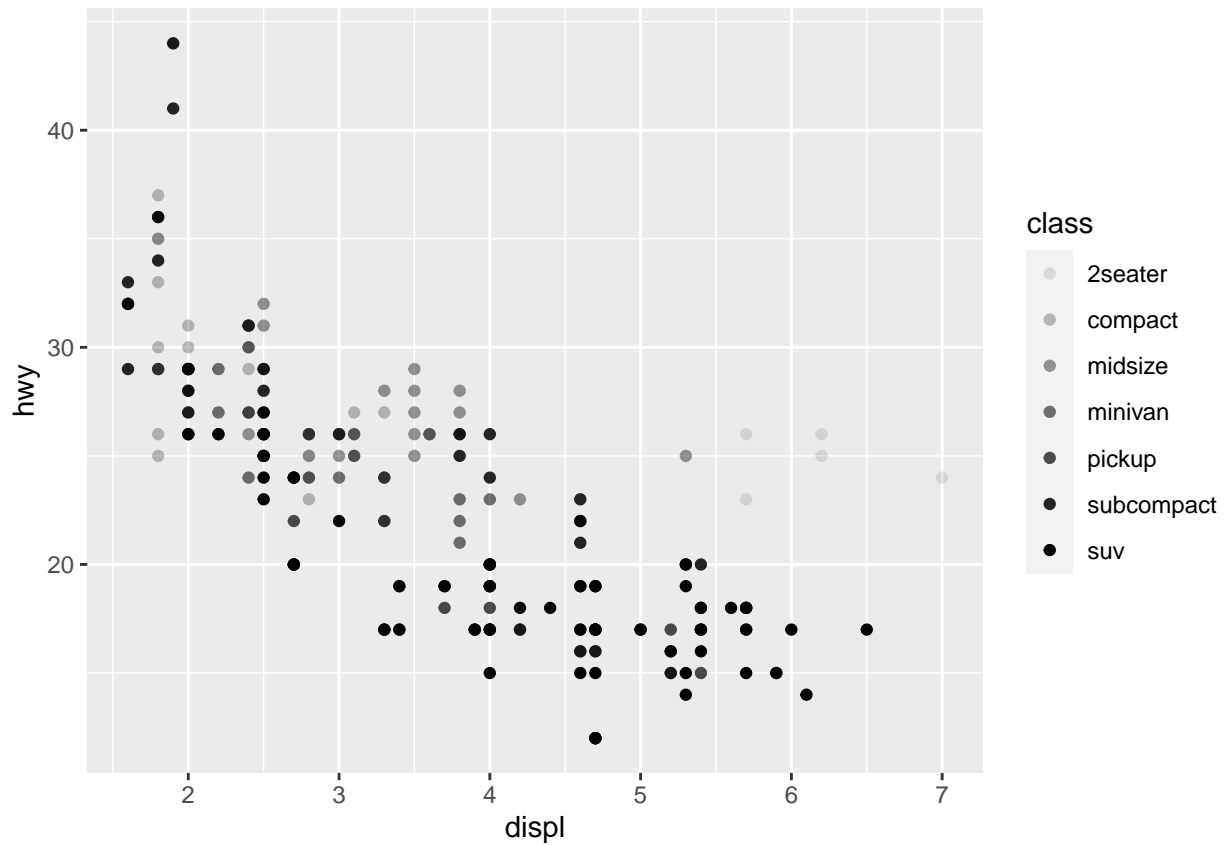
```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy, size = class))
```

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



```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy, alpha = class))
```

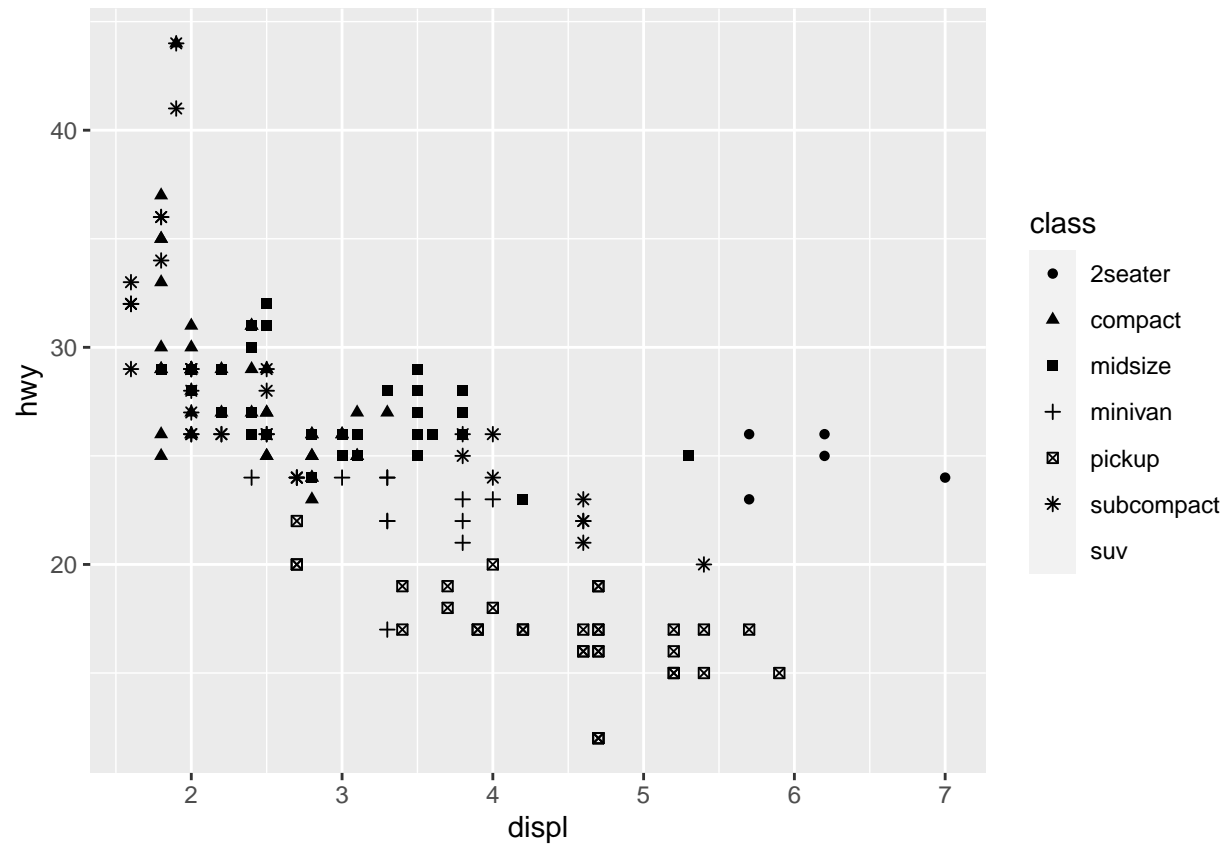
```
## Warning: Using alpha for a discrete variable is not advised.
```



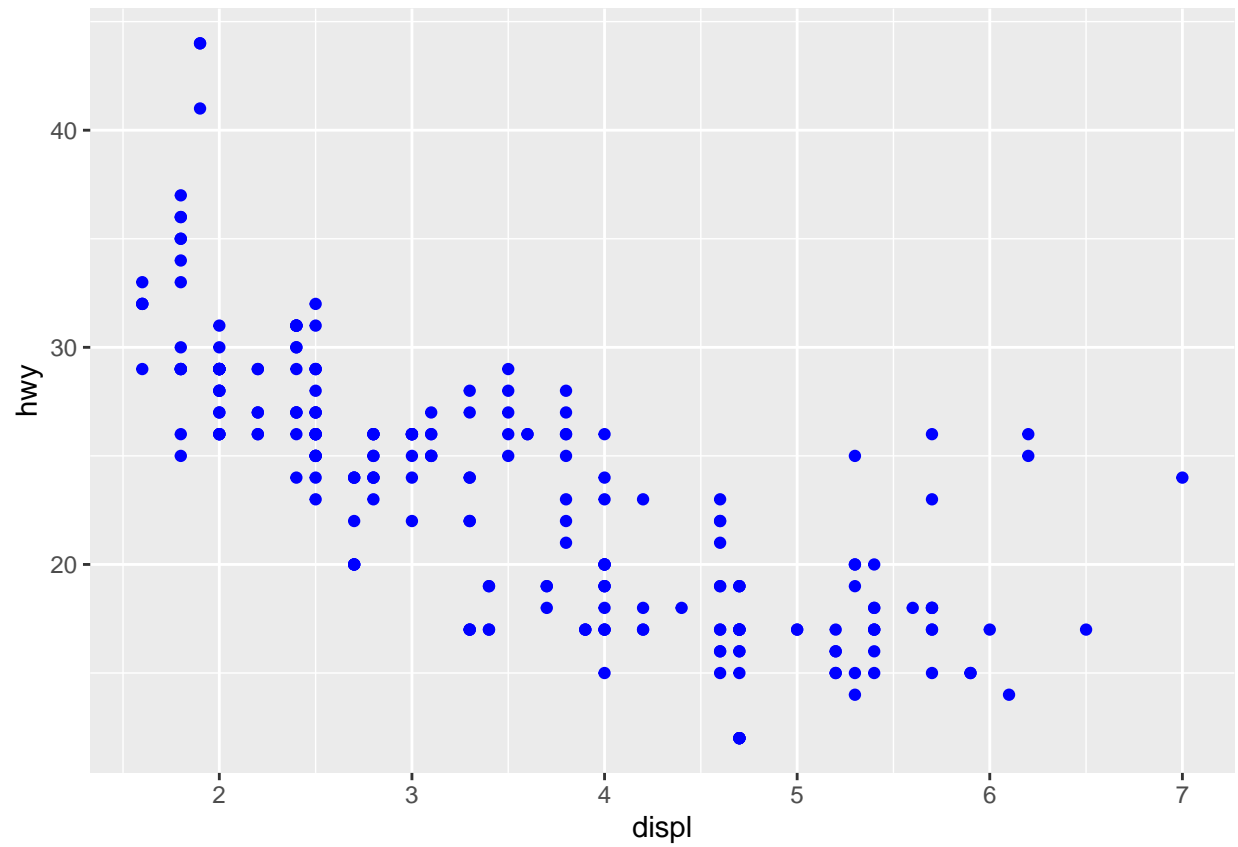
```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy, shape = class))
```

```
## 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.
```

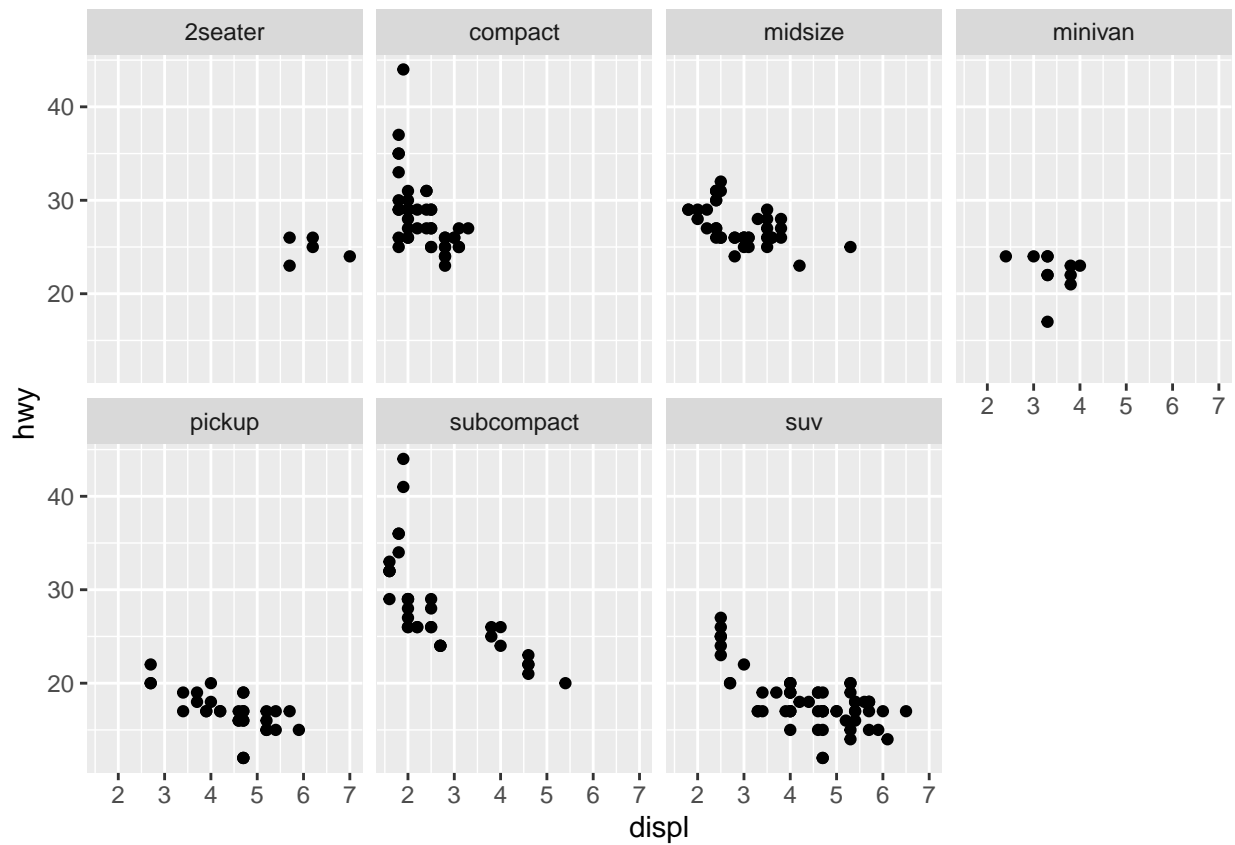
```
## Warning: Removed 62 rows containing missing values (geom_point).
```



```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy), color = "blue")
```

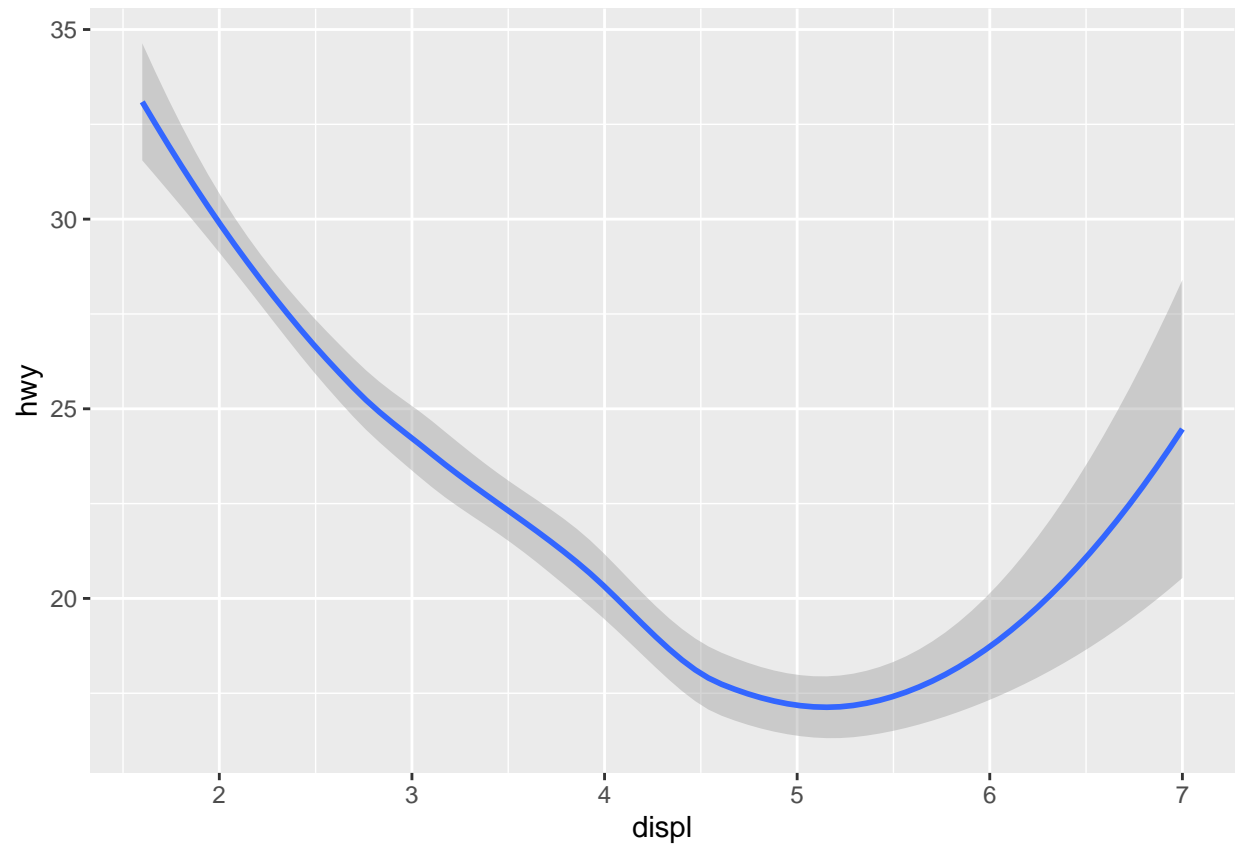


```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy)) + facet_wrap(~ class, nrow = 2)
```



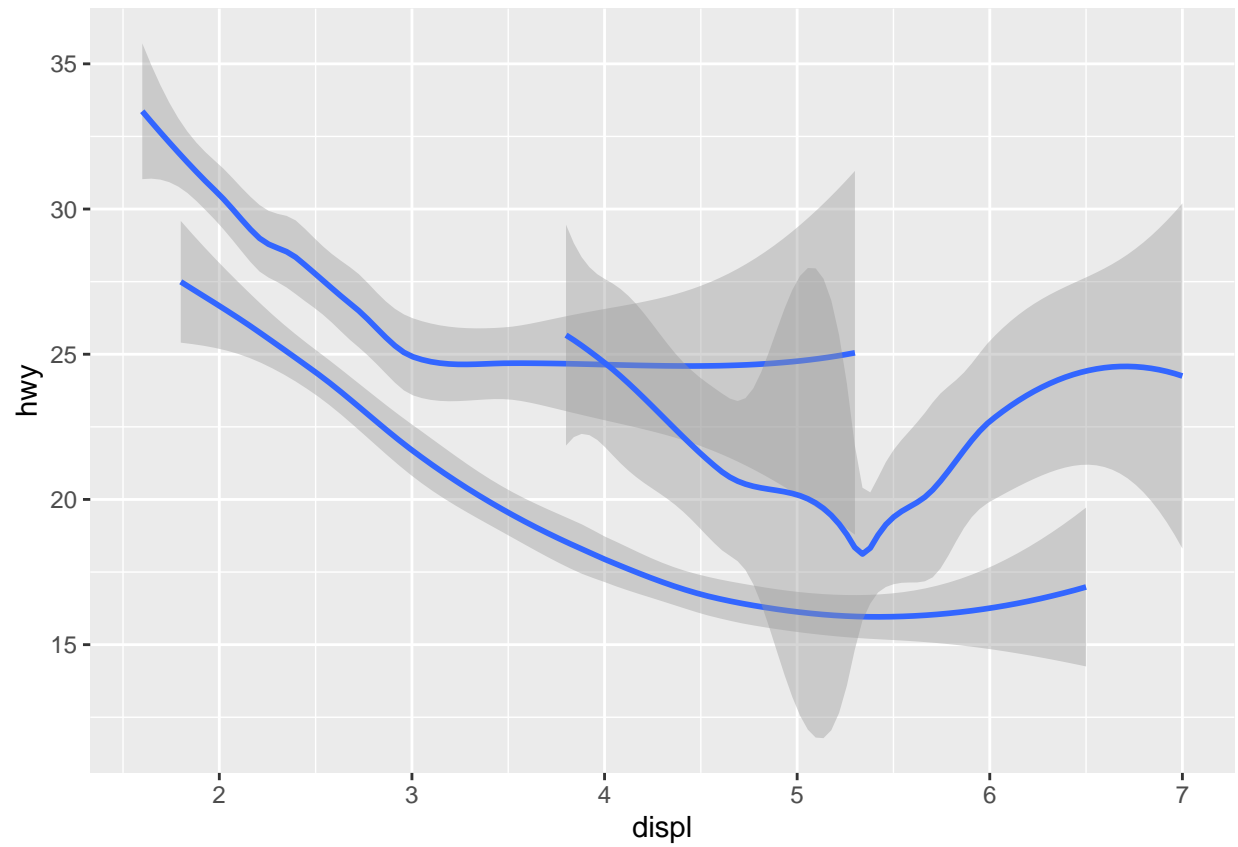
```
ggplot(data = mpg) + geom_smooth(mapping = aes(x = displ, y = hwy))
```

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

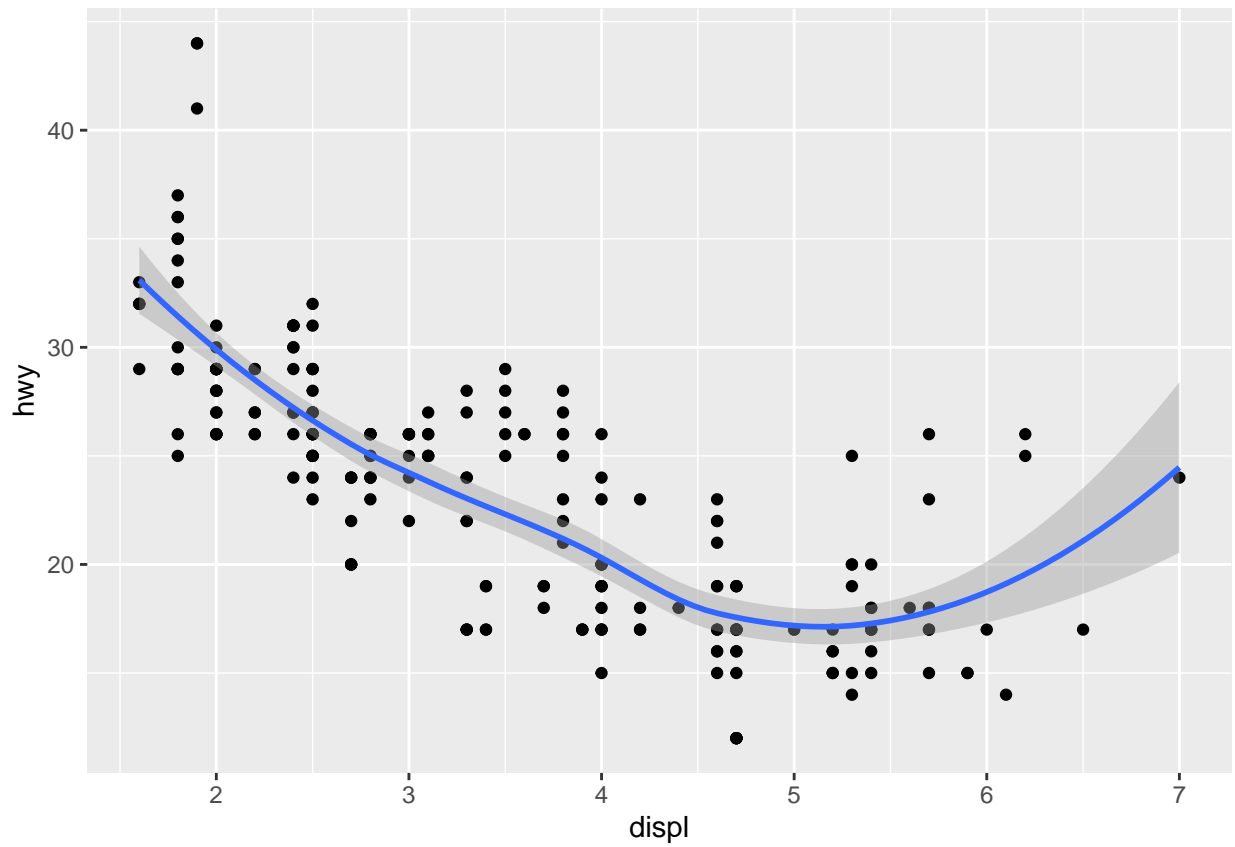



```
ggplot(data = mpg) + geom_smooth(mapping = aes(x = displ, y = hwy, group = drv))
```

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

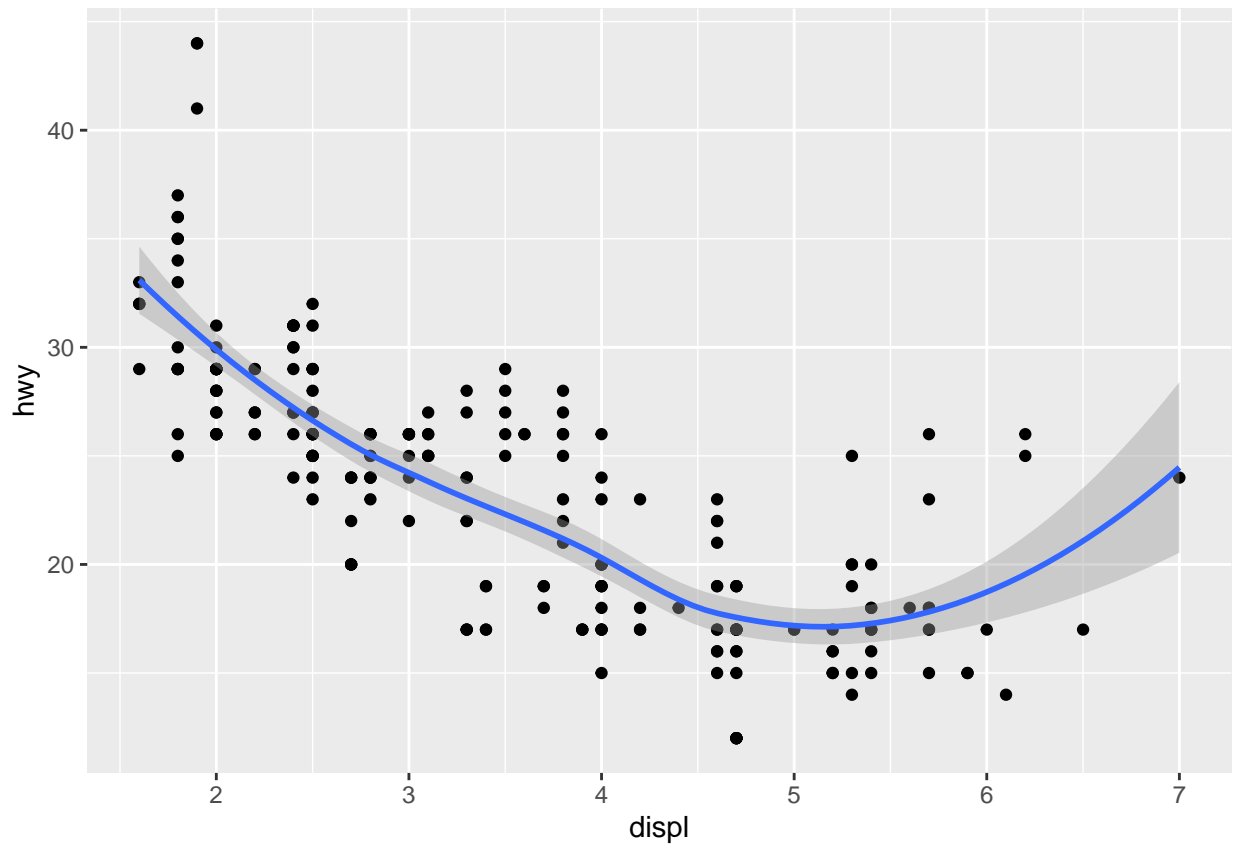


```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy)) + geom_smooth(mapping = aes(x = displ, y = hwy))  
  
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
```



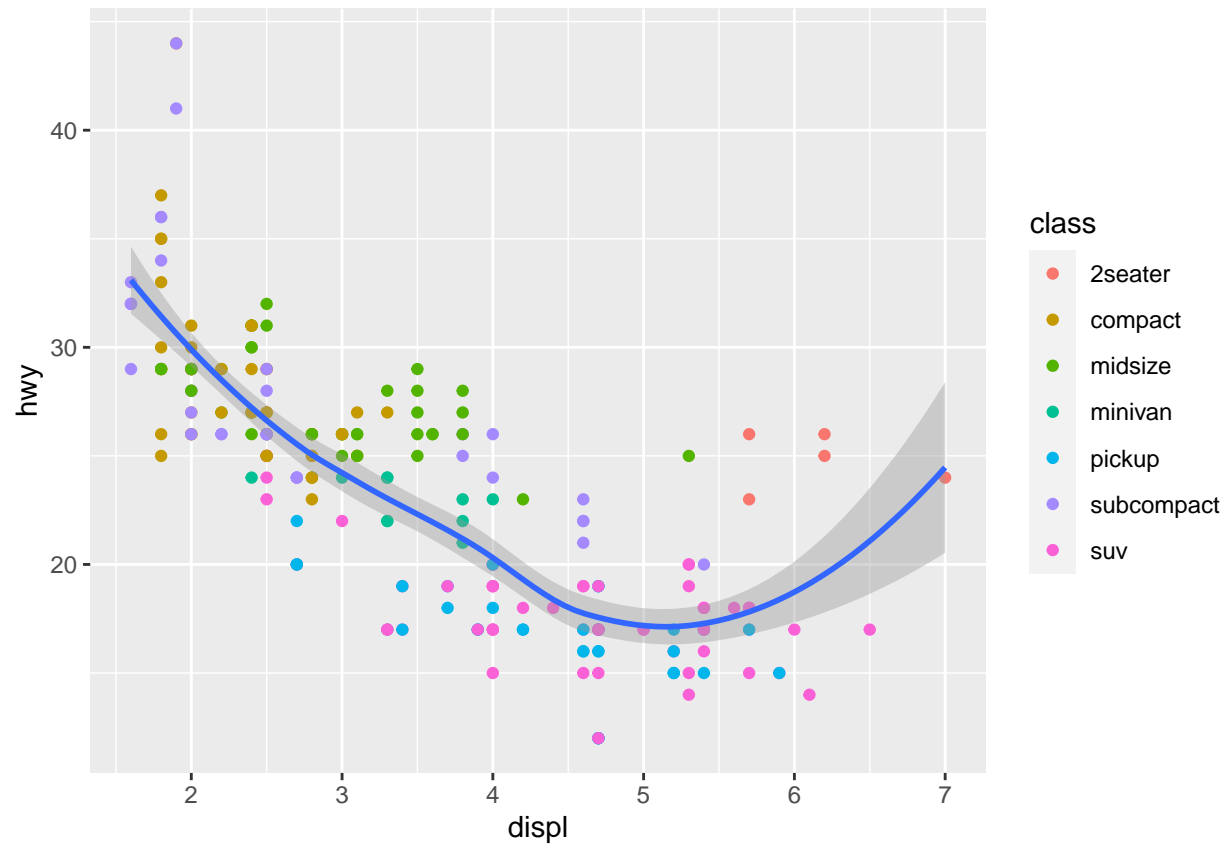
```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy)) + geom_point() + geom_smooth()
```

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



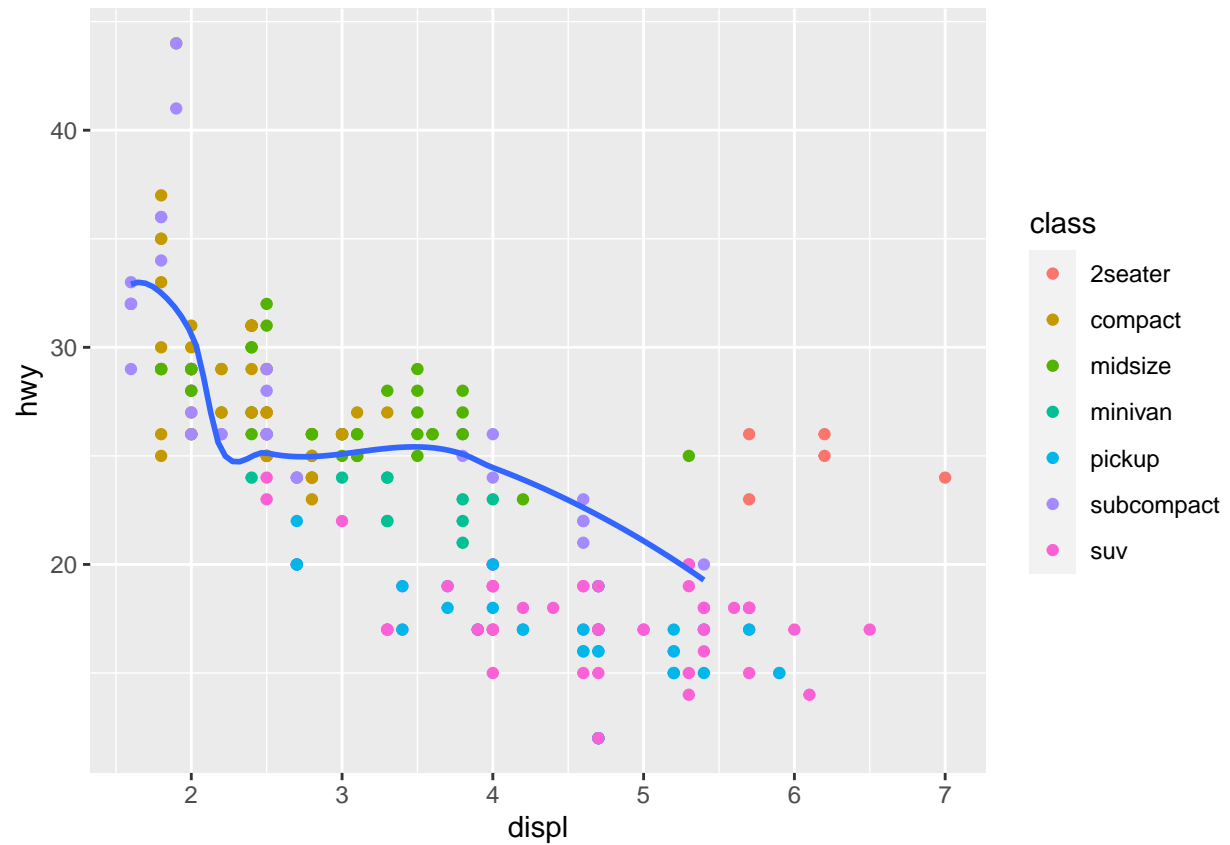
```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy)) + geom_point(mapping = aes(color = class)) + geom.
```

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



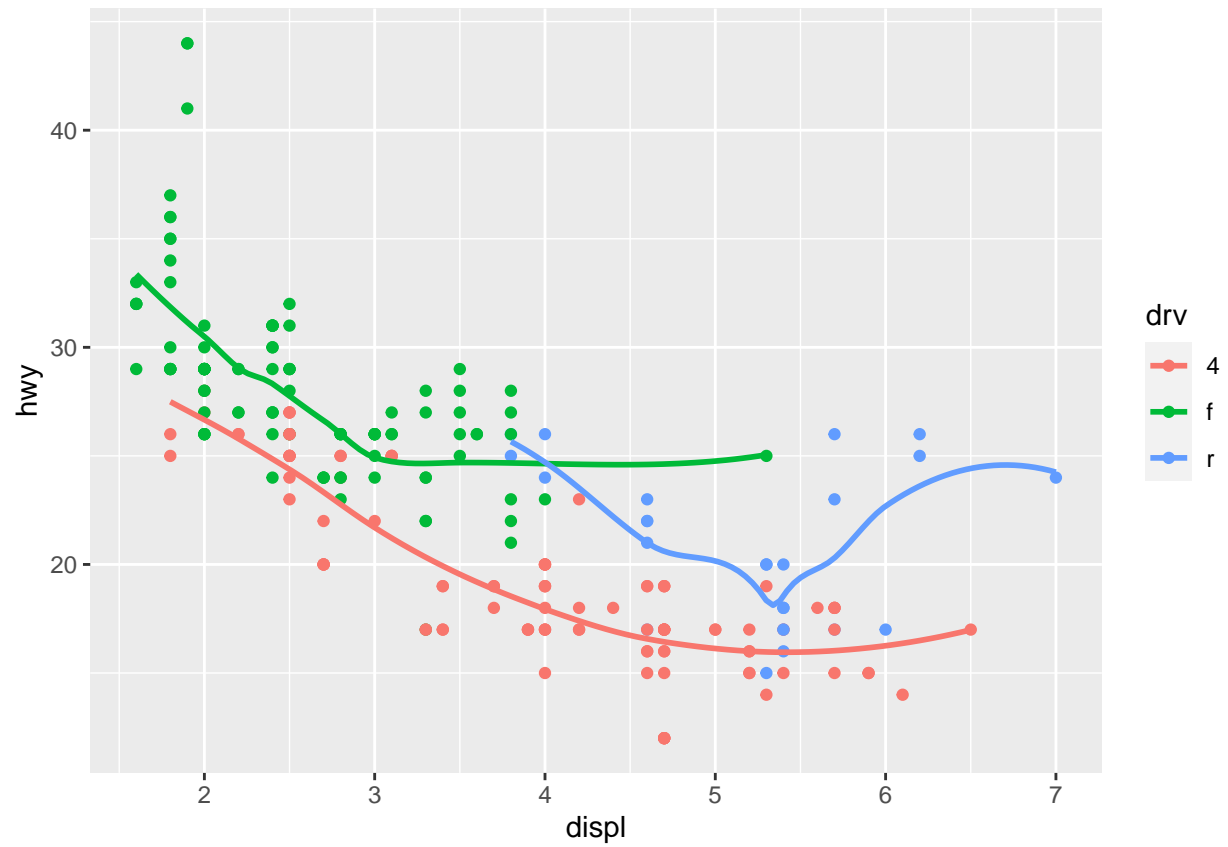
```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy)) + geom_point(mapping = aes(color = class)) + geom_smooth()
```

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



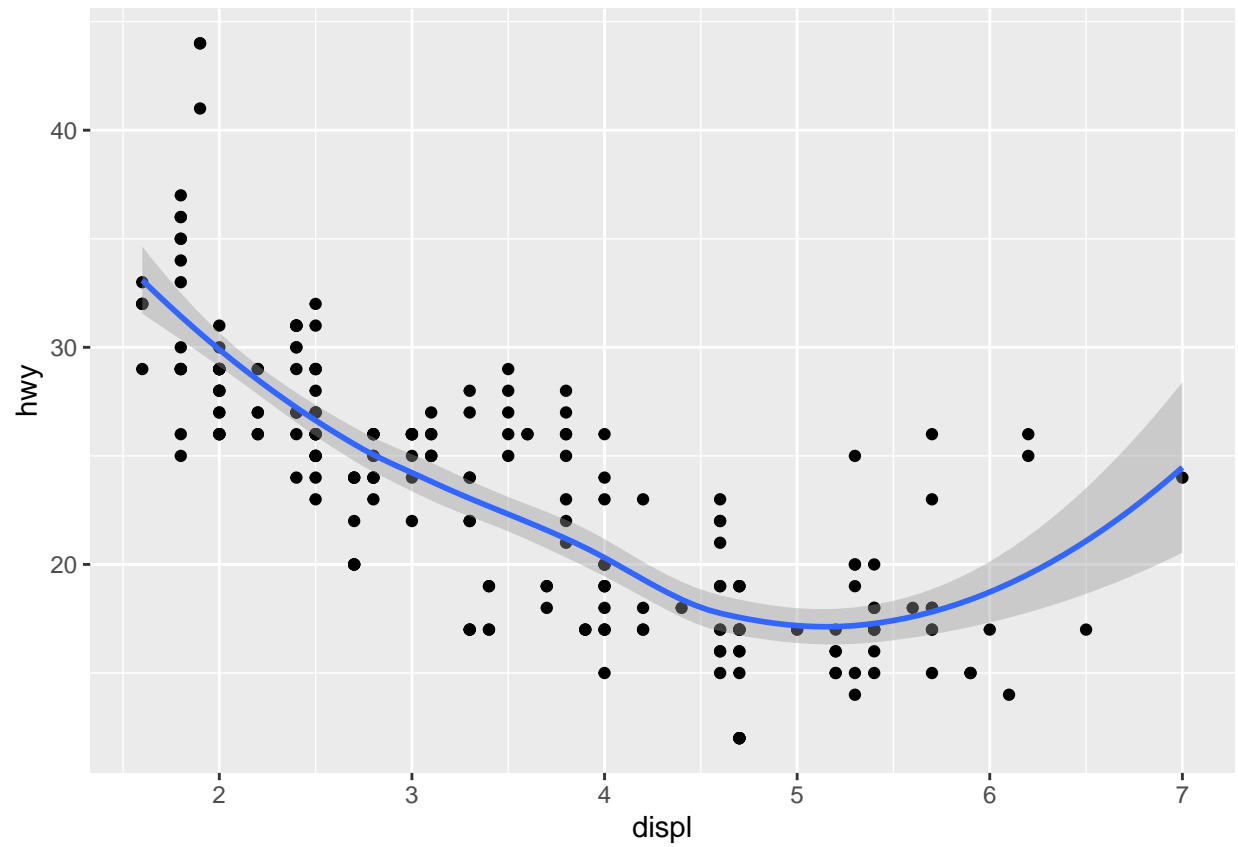
```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy, color = drv)) + geom_point() + geom_smooth(se = 1)
```

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



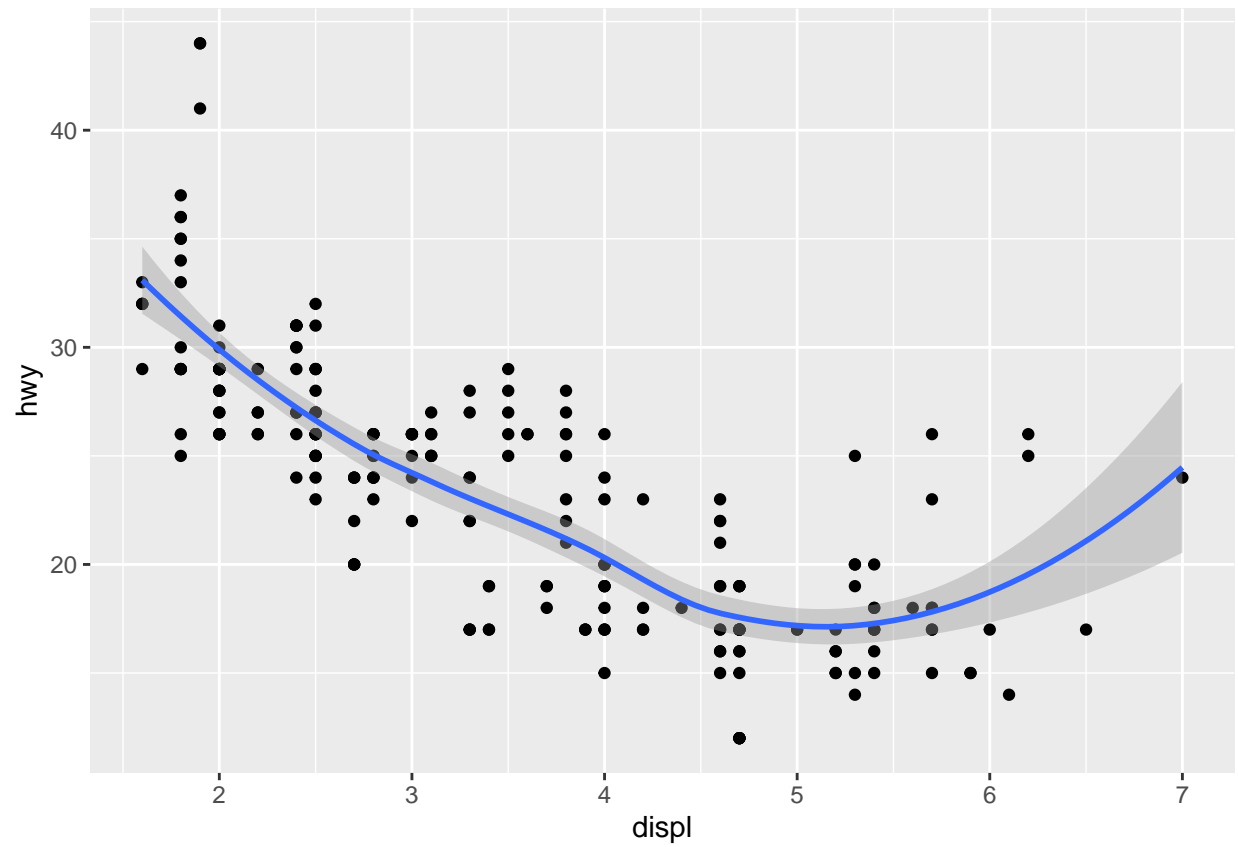
```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy)) + geom_point() + geom_smooth()
```

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

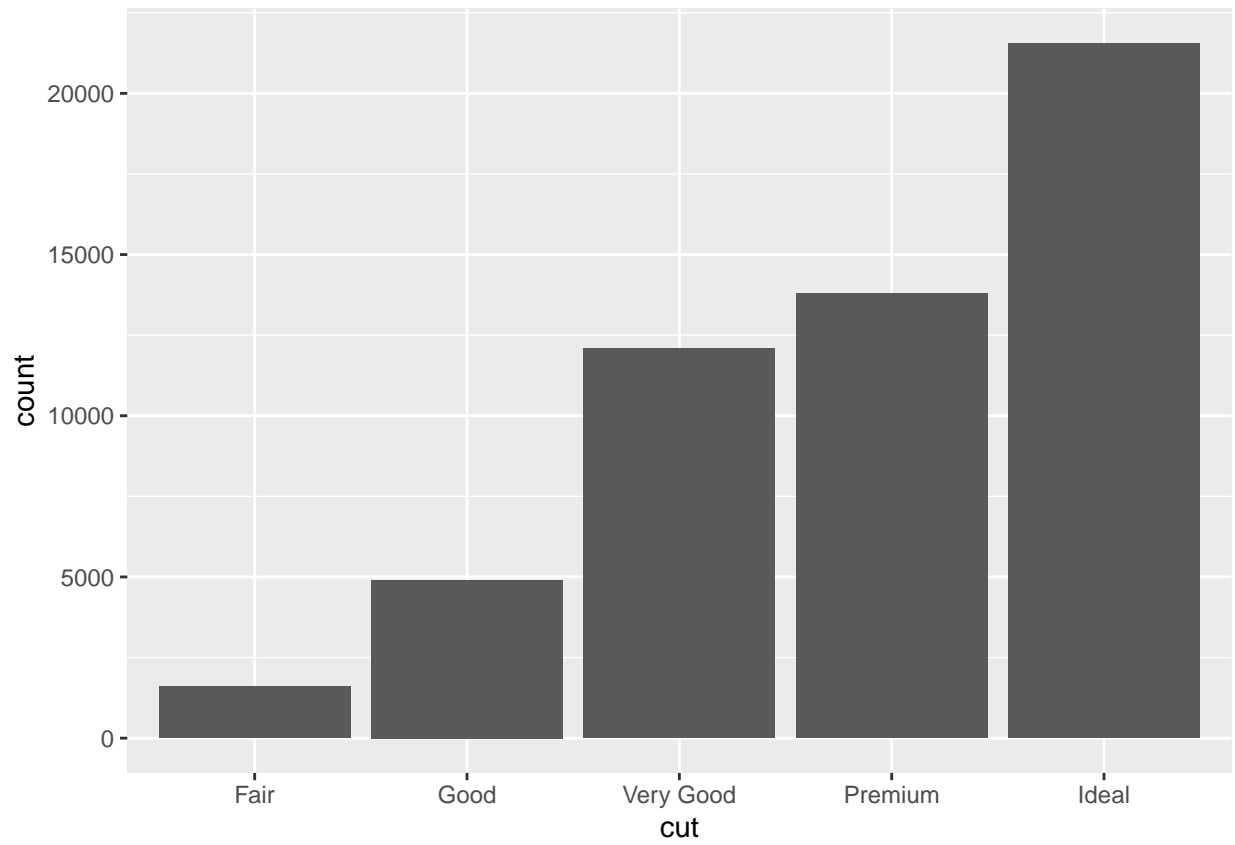


```
ggplot() + geom_point(data = mpg, mapping = aes(x = displ, y = hwy)) + geom_smooth(data = mpg, mapping
```

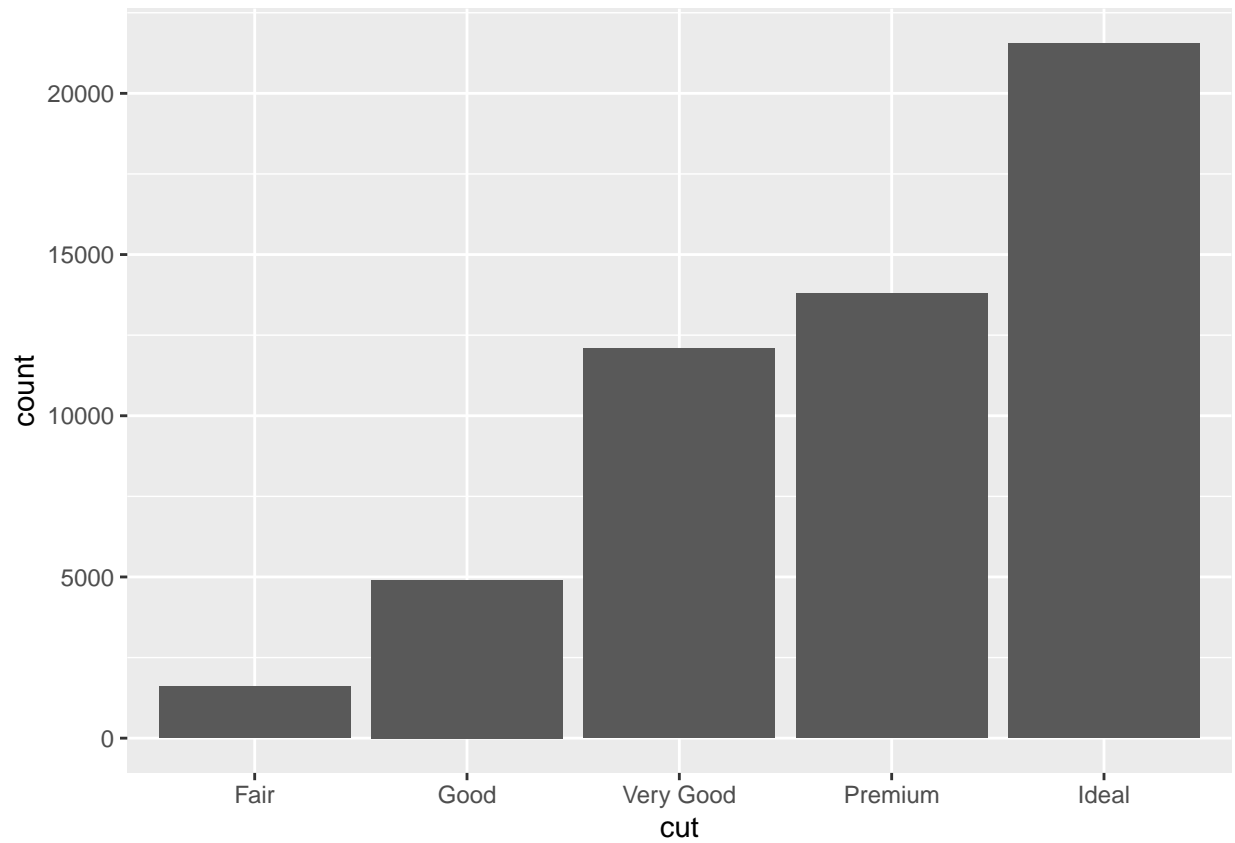
```
## 'geom_smooth()' using method = 'loess' and formula 'y ~ x'
```

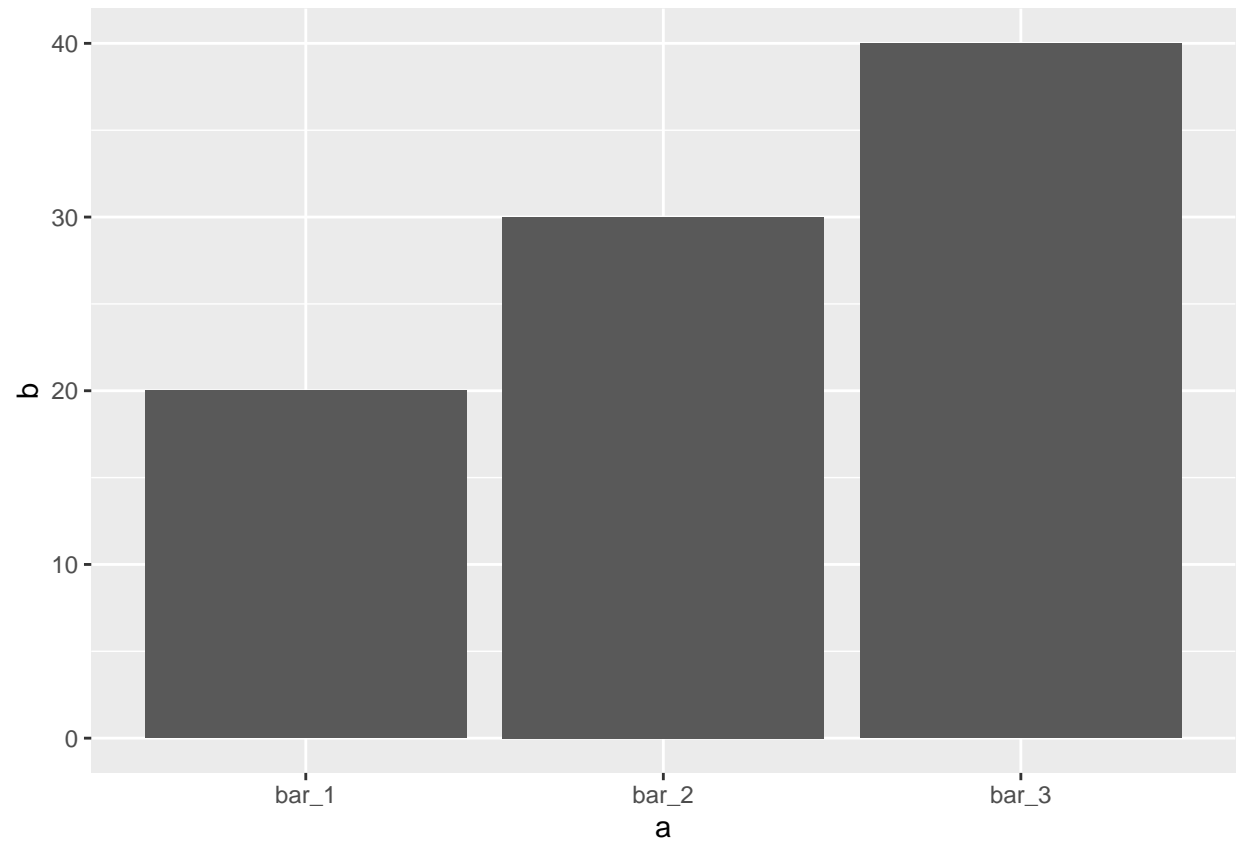
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut))
```



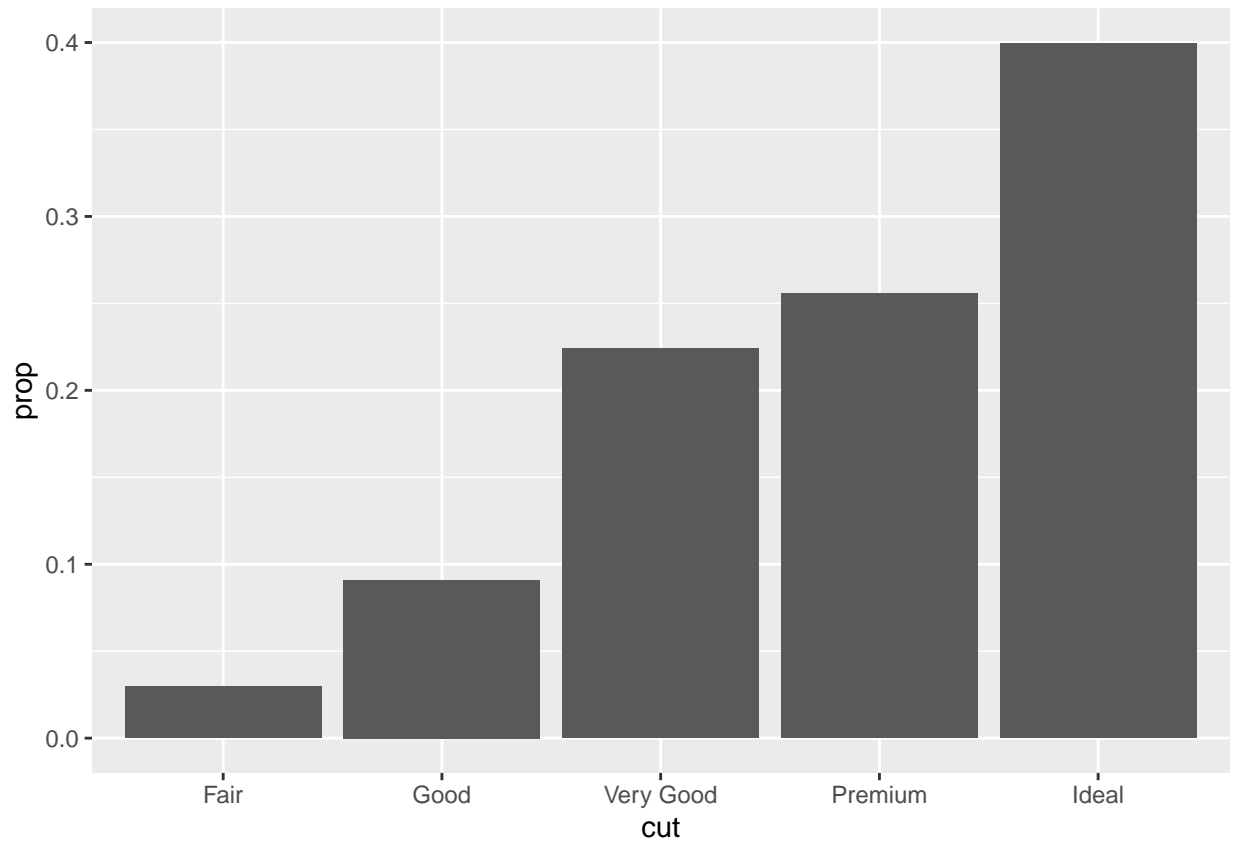
```
ggplot(data = diamonds) + stat_count(mapping = aes(x = cut))
```



```
demo <- tribble(~a, ~b, "bar_1", 20, "bar_2", 30, "bar_3", 40)
ggplot(data = demo) + geom_bar(mapping = aes(x = a, y = b), stat = "identity")
```



```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, y = ..prop.., group = 1))
```

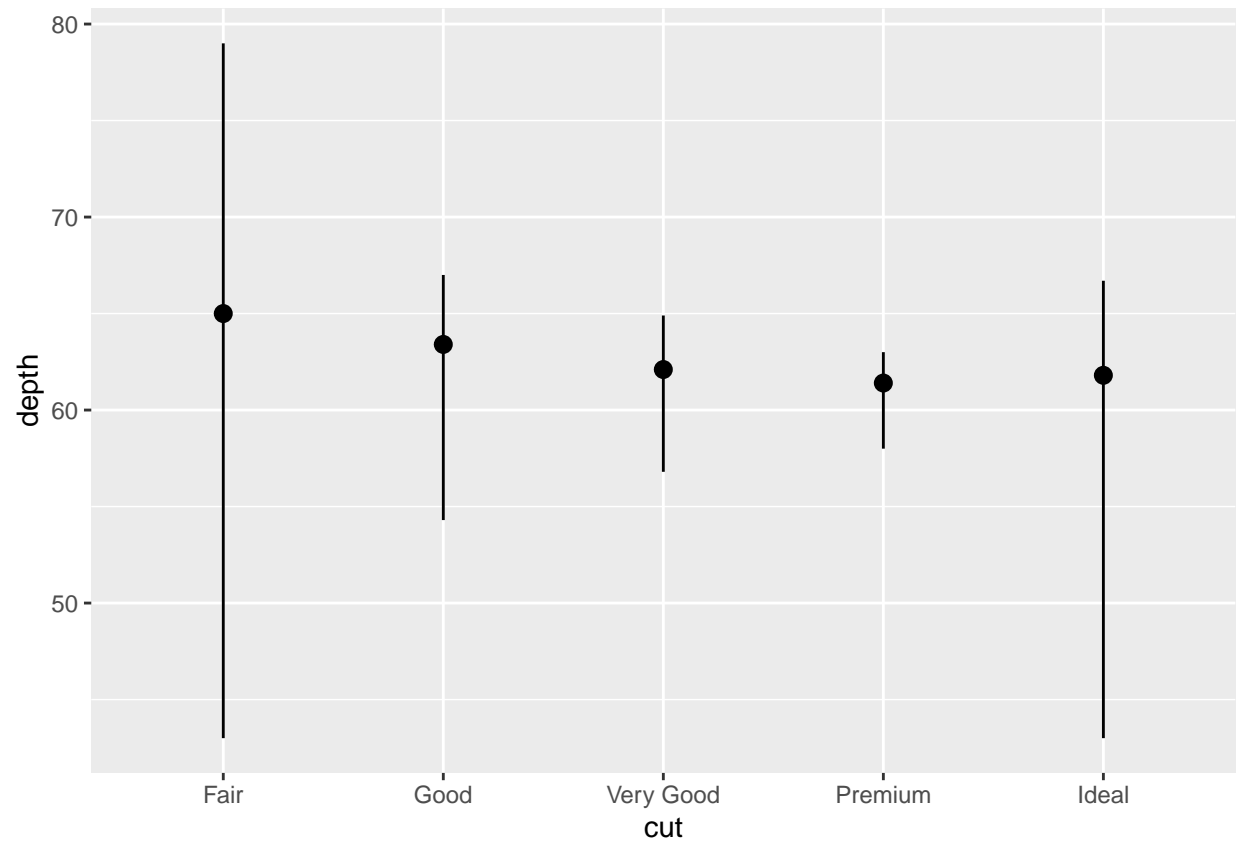


```
ggplot(data = diamonds) + stat_summary(mapping = aes(x = cut, y = depth), fun.ymin = min, fun.ymax = max)
```

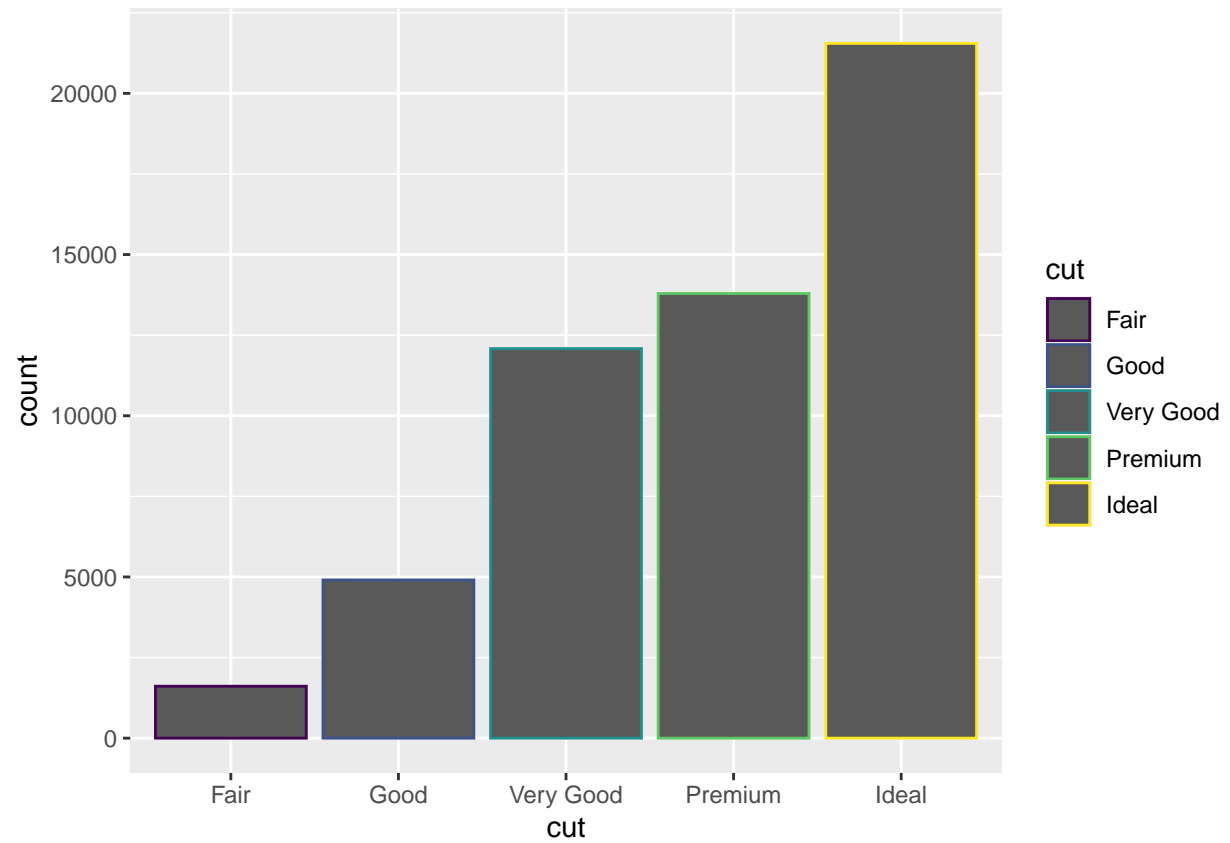
```
## Warning: 'fun.y' is deprecated. Use 'fun' instead.
```

```
## Warning: 'fun.ymin' is deprecated. Use 'fun.min' instead.
```

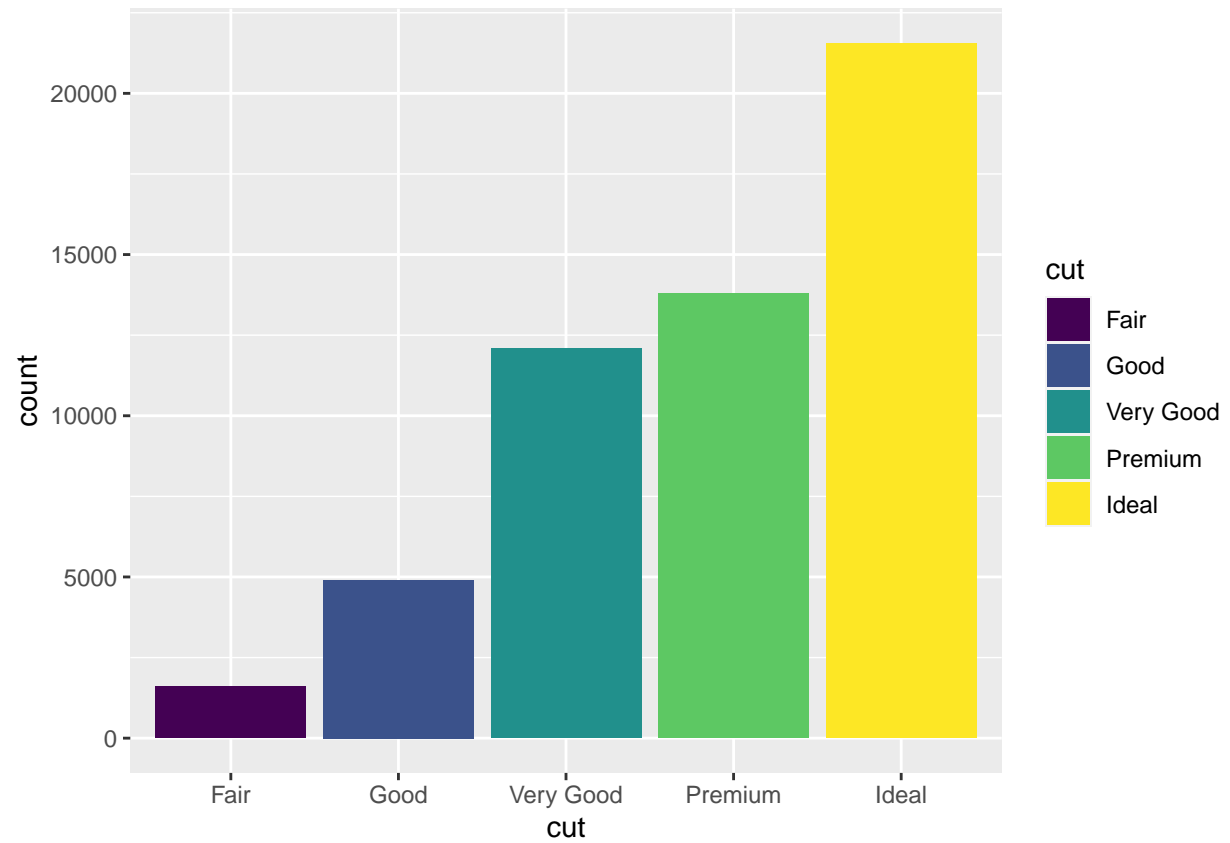
```
## Warning: 'fun.ymax' is deprecated. Use 'fun.max' instead.
```



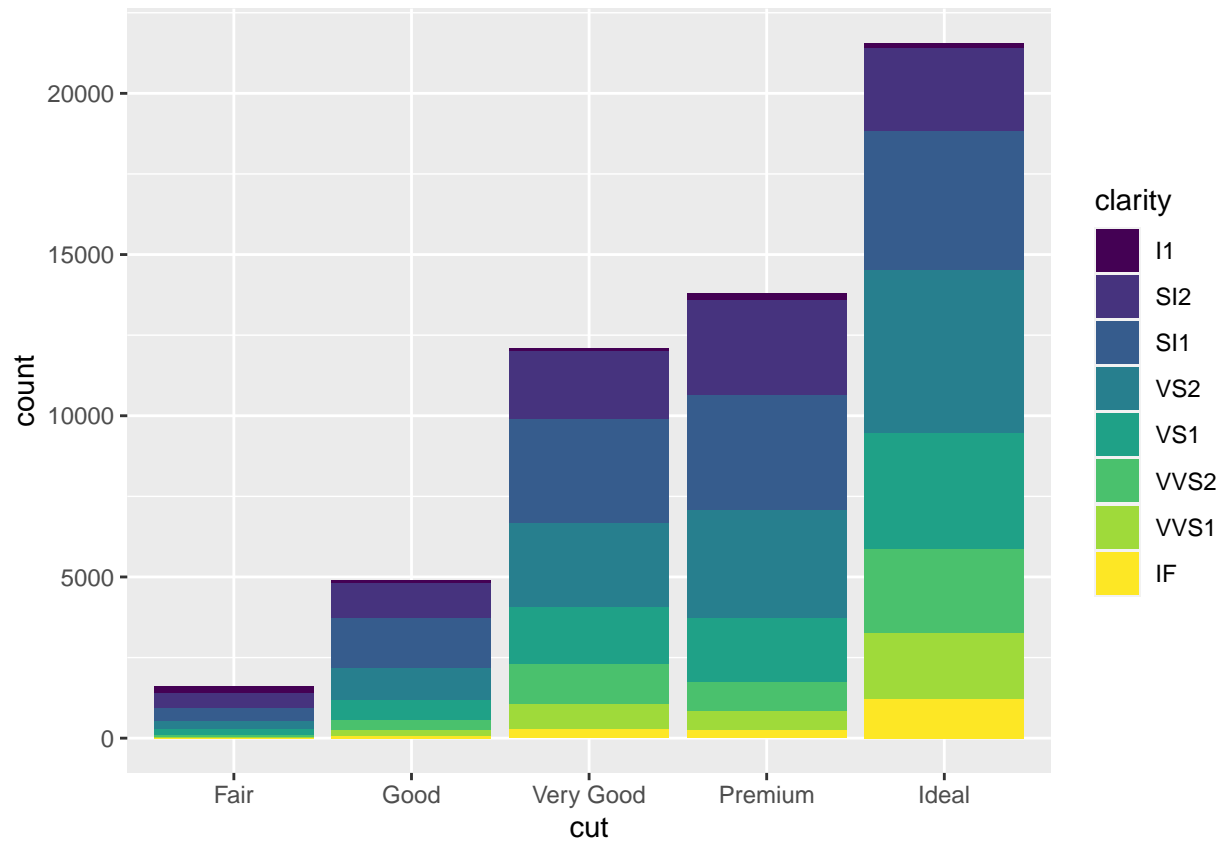
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, color = cut))
```



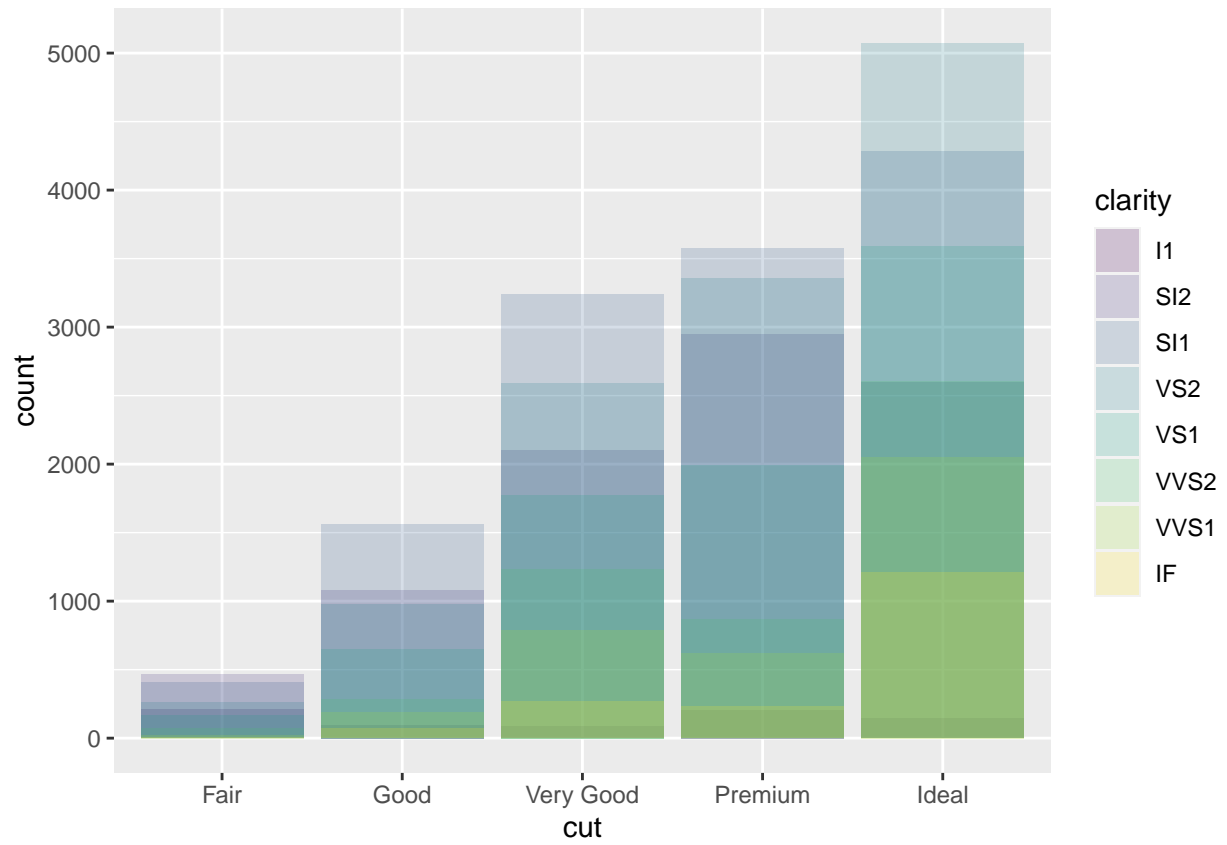
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = cut))
```



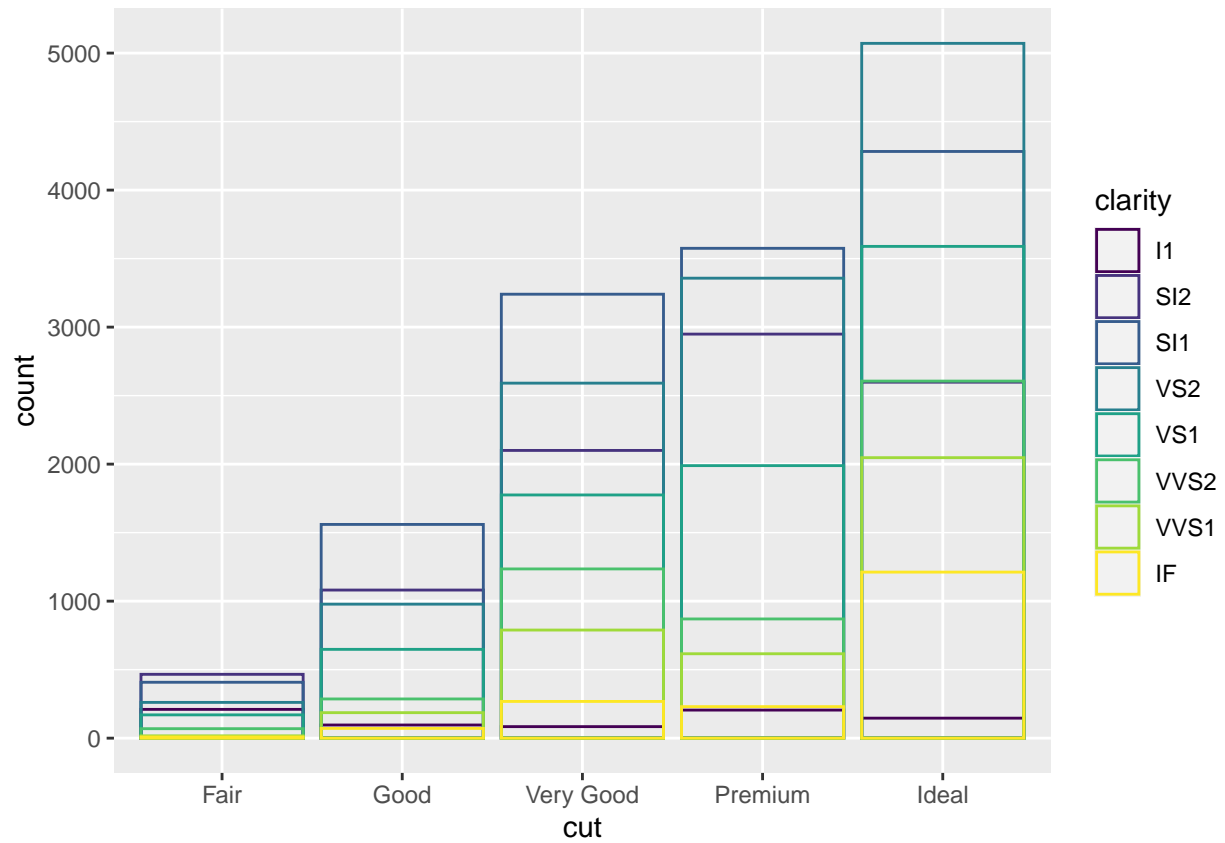
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = clarity))
```

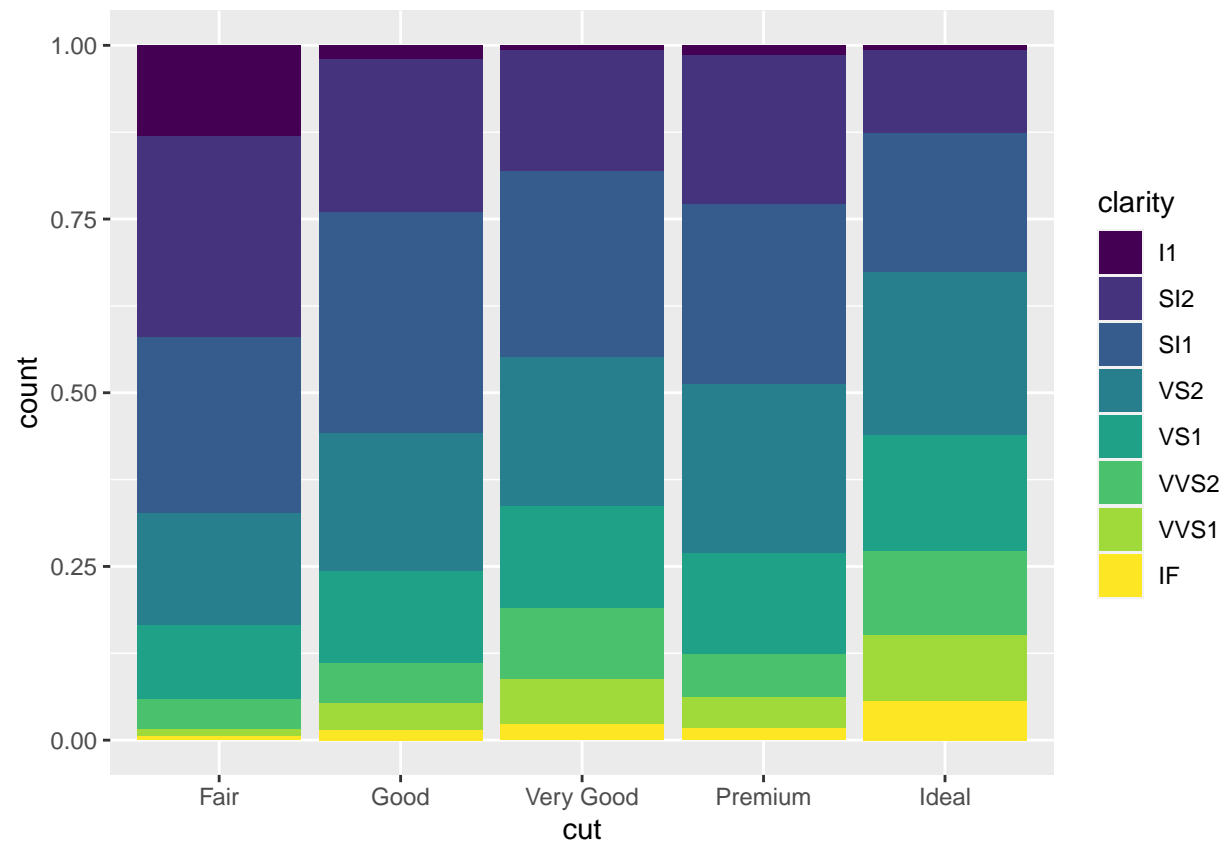
```
ggplot(data = diamonds, mapping = aes(x = cut, fill = clarity)) + geom_bar(alpha = 1/5, position = "id
```



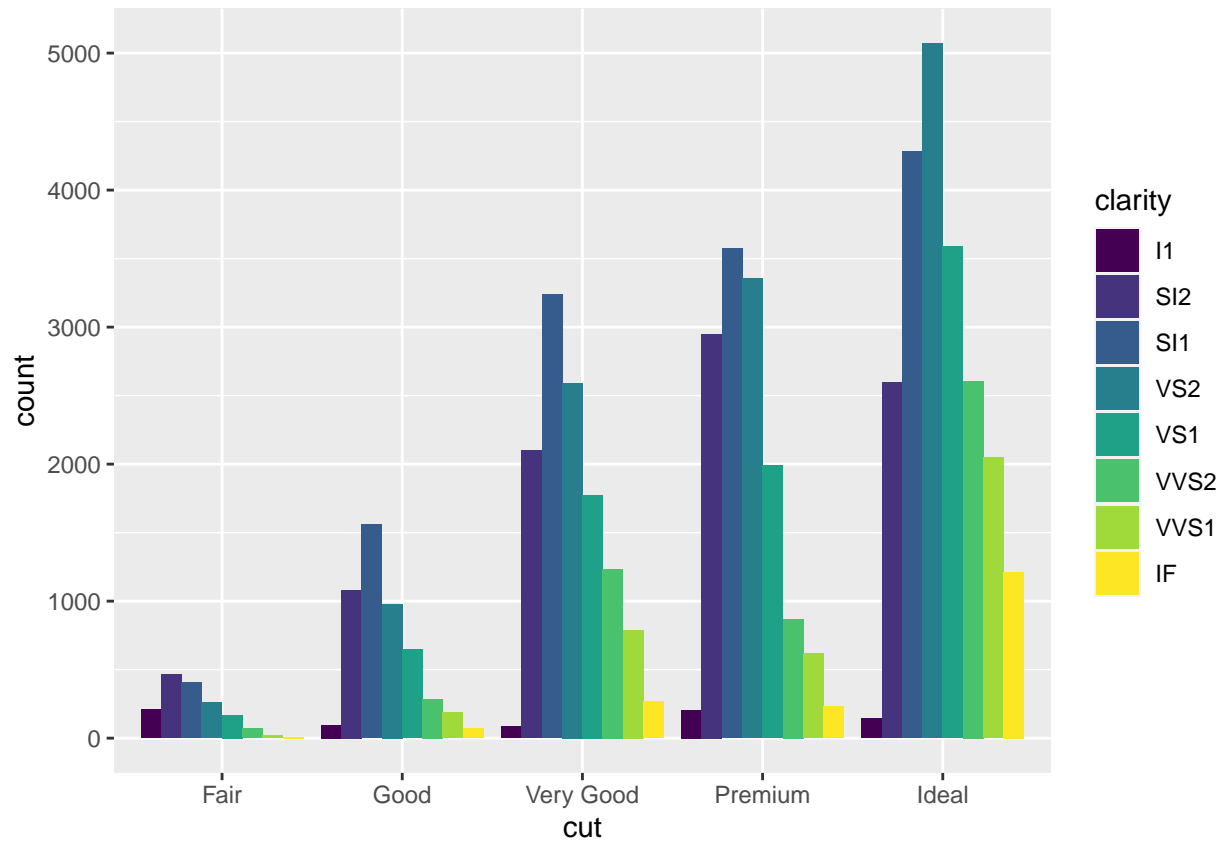
```
ggplot(data = diamonds, mapping = aes(x = cut, color = clarity)) + geom_bar(fill = NA, position = "identity")
```



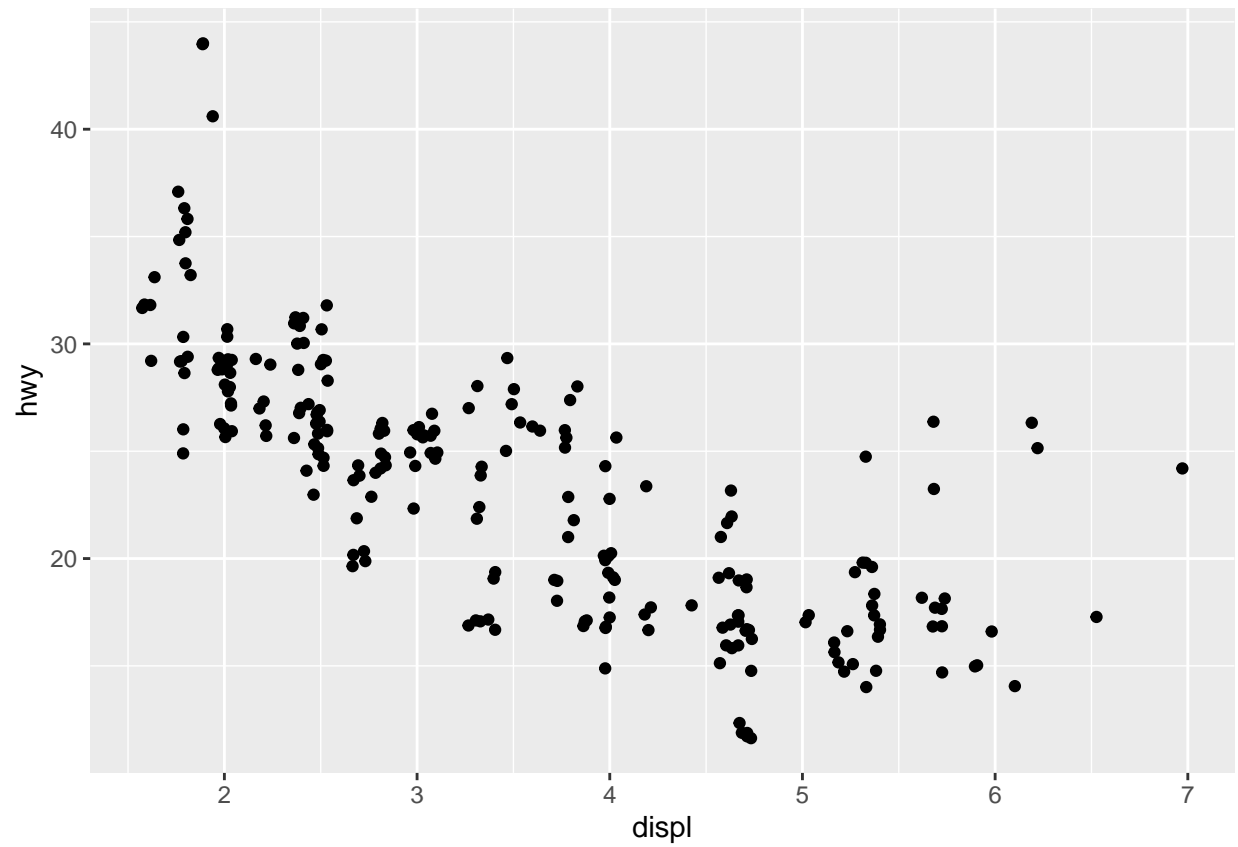
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = clarity), position = "fill")
```



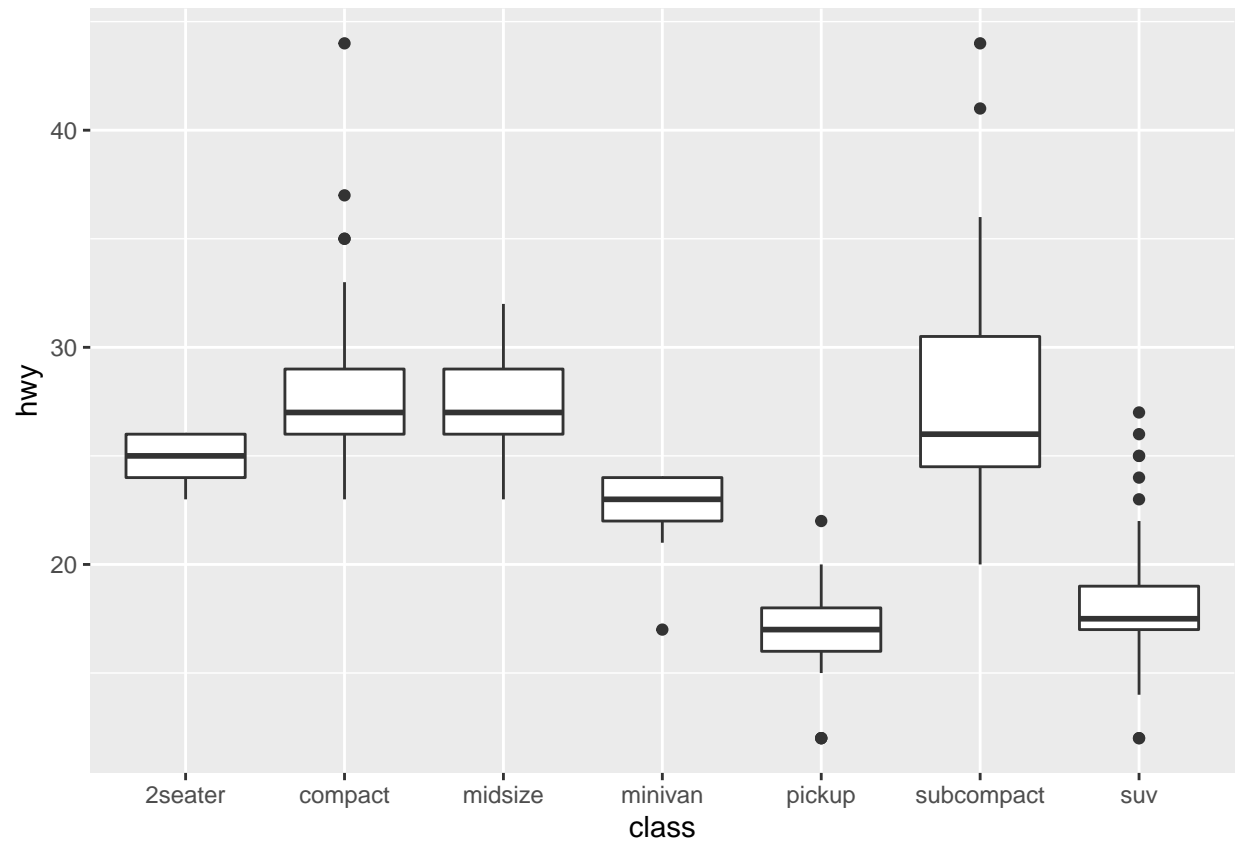
```
ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = clarity), position = "dodge")
```



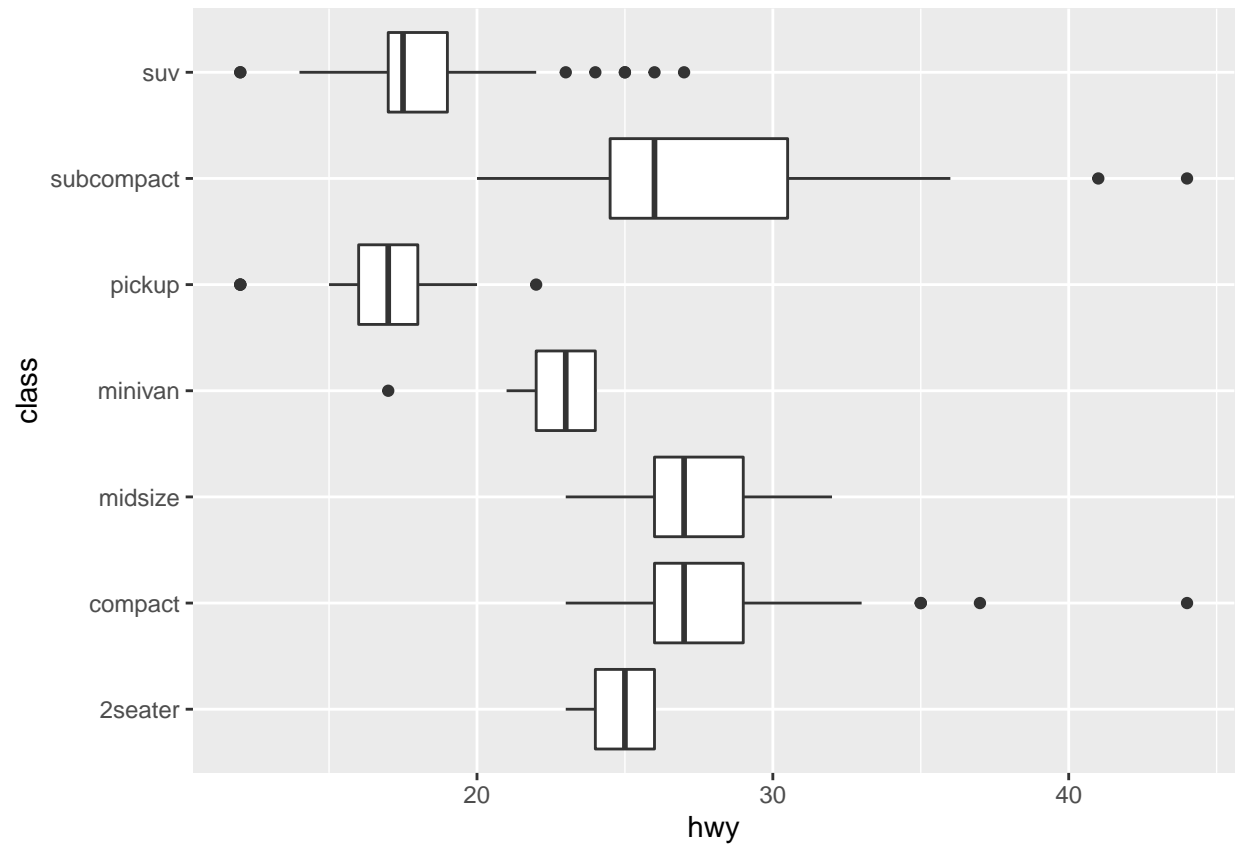
```
ggplot(data = mpg) + geom_point(mapping = aes(x = displ, y = hwy), position = "jitter")
```



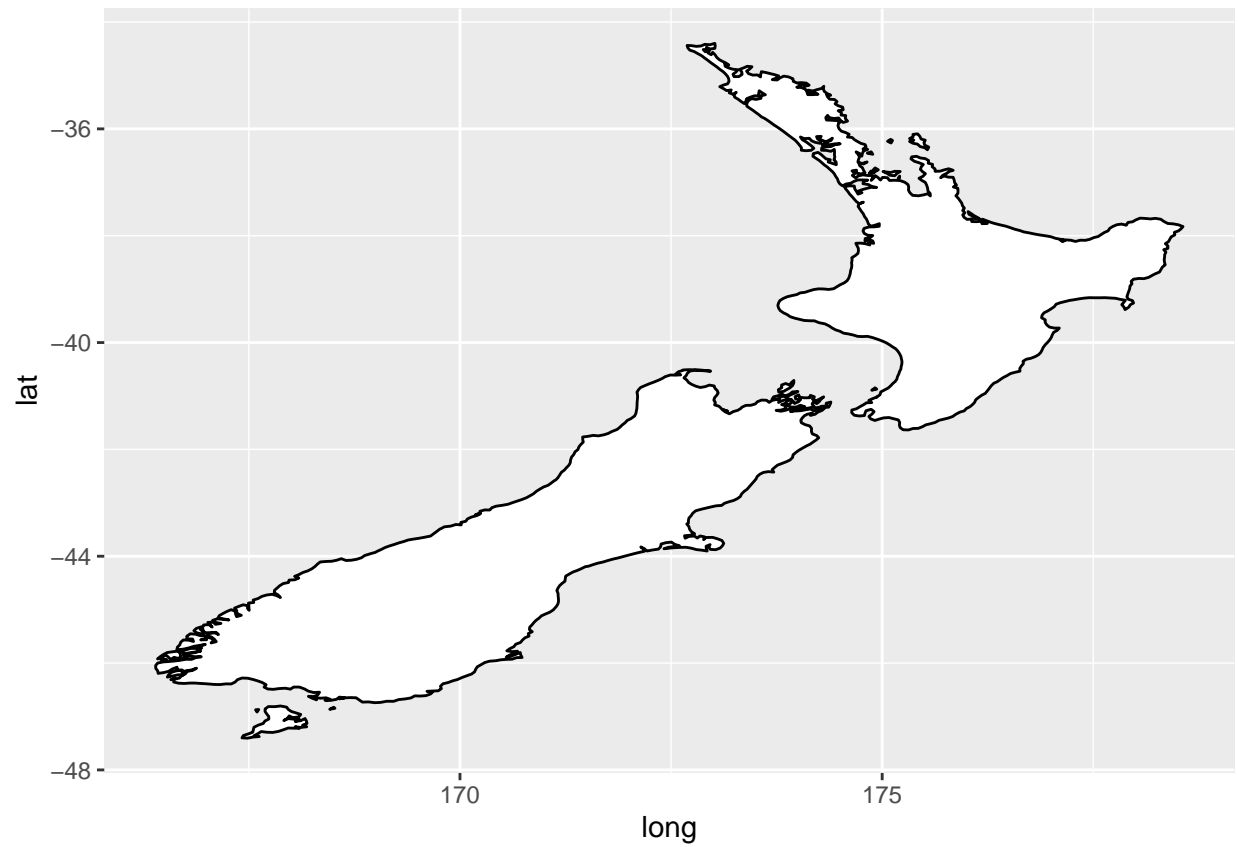
```
ggplot(data = mpg, mapping = aes(x = class, y = hwy)) + geom_boxplot()
```



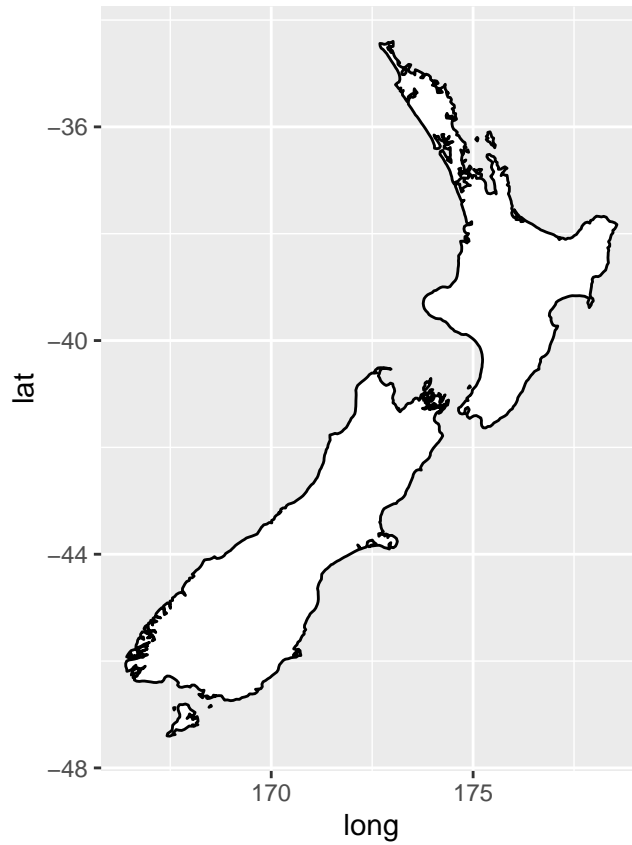
```
ggplot(data = mpg, mapping = aes(x = class, y = hwy)) + geom_boxplot() + coord_flip()
```



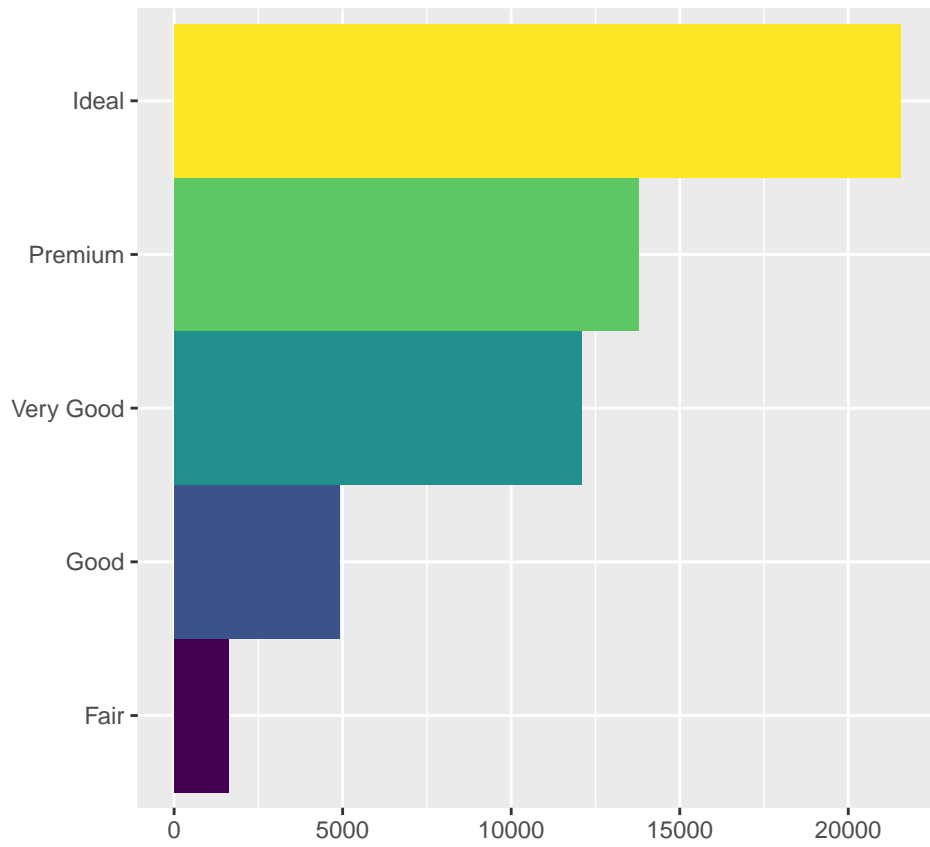
```
nz <- map_data("nz")
ggplot(nz, aes(long, lat, group = group)) + geom_polygon(fill = "white", color = "black")
```

```
ggplot(nz, aes(long, lat, group = group)) + geom_polygon(fill = "white", color = "black") + coord_quickmap()
```



```
bar <- ggplot(data = diamonds) + geom_bar(mapping = aes(x = cut, fill = cut), show.legend = FALSE, width = 0.5)
bar + coord_flip()
```



```
bar + coord_polar()
```

