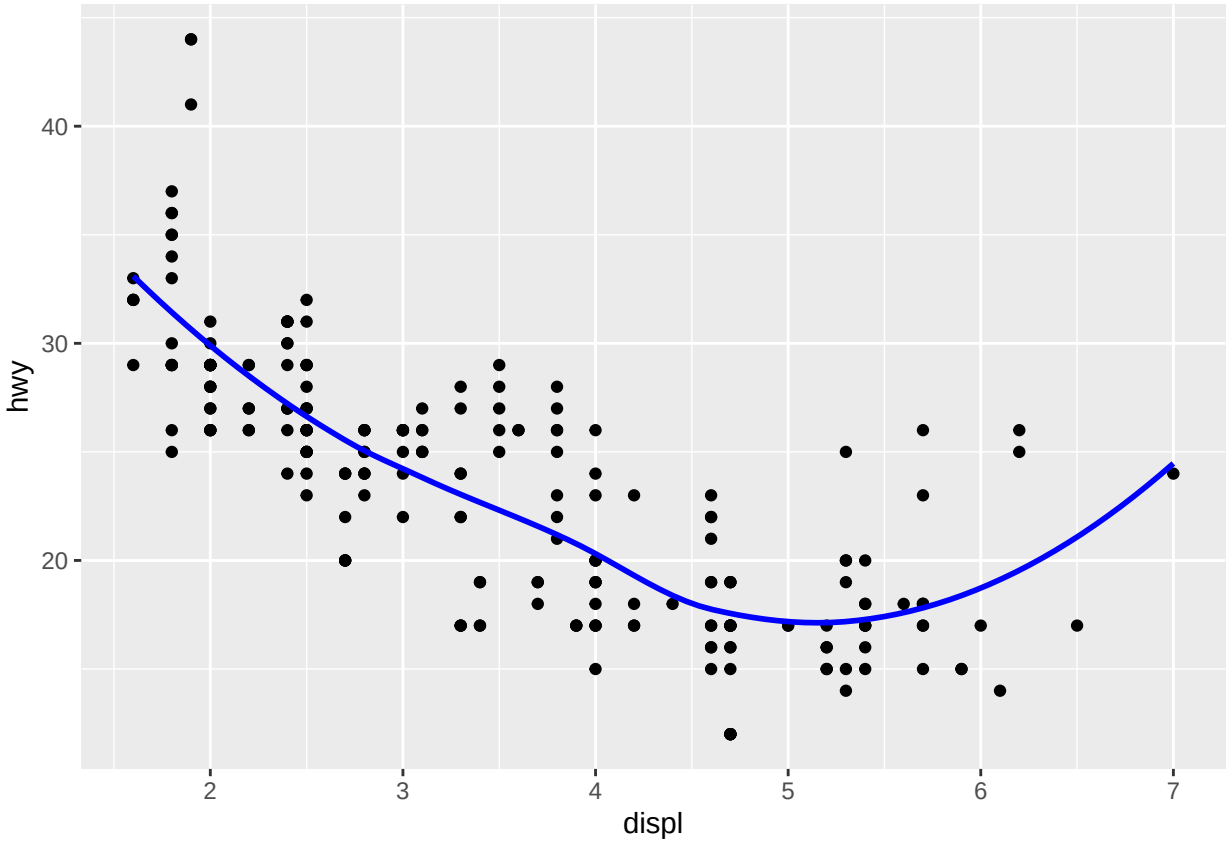
Data Visualization

Me Myself

```
## # A tibble: 234 x 11
##    manufacturer model      displ  year   cyl trans drv     cty   hwy fl    class
##    <chr>        <chr>      <dbl> <int> <int> <chr> <chr> <int> <int> <chr> <chr>
##  1 audi         a4           1.8  1999     4 auto~ f        18    29 p     comp~
##  2 audi         a4           1.8  1999     4 manu~ f        21    29 p     comp~
##  3 audi         a4           2    2008     4 manu~ f        20    31 p     comp~
##  4 audi         a4           2    2008     4 auto~ f        21    30 p     comp~
##  5 audi         a4           2.8  1999     6 auto~ f        16    26 p     comp~
##  6 audi         a4           2.8  1999     6 manu~ f        18    26 p     comp~
##  7 audi         a4           3.1  2008     6 auto~ f        18    27 p     comp~
##  8 audi         a4 quattro   1.8  1999     4 manu~ 4        18    26 p     comp~
##  9 audi         a4 quattro   1.8  1999     4 auto~ 4        16    25 p     comp~
## 10 audi         a4 quattro   2    2008     4 manu~ 4        20    28 p     comp~
## # i 224 more rows
```

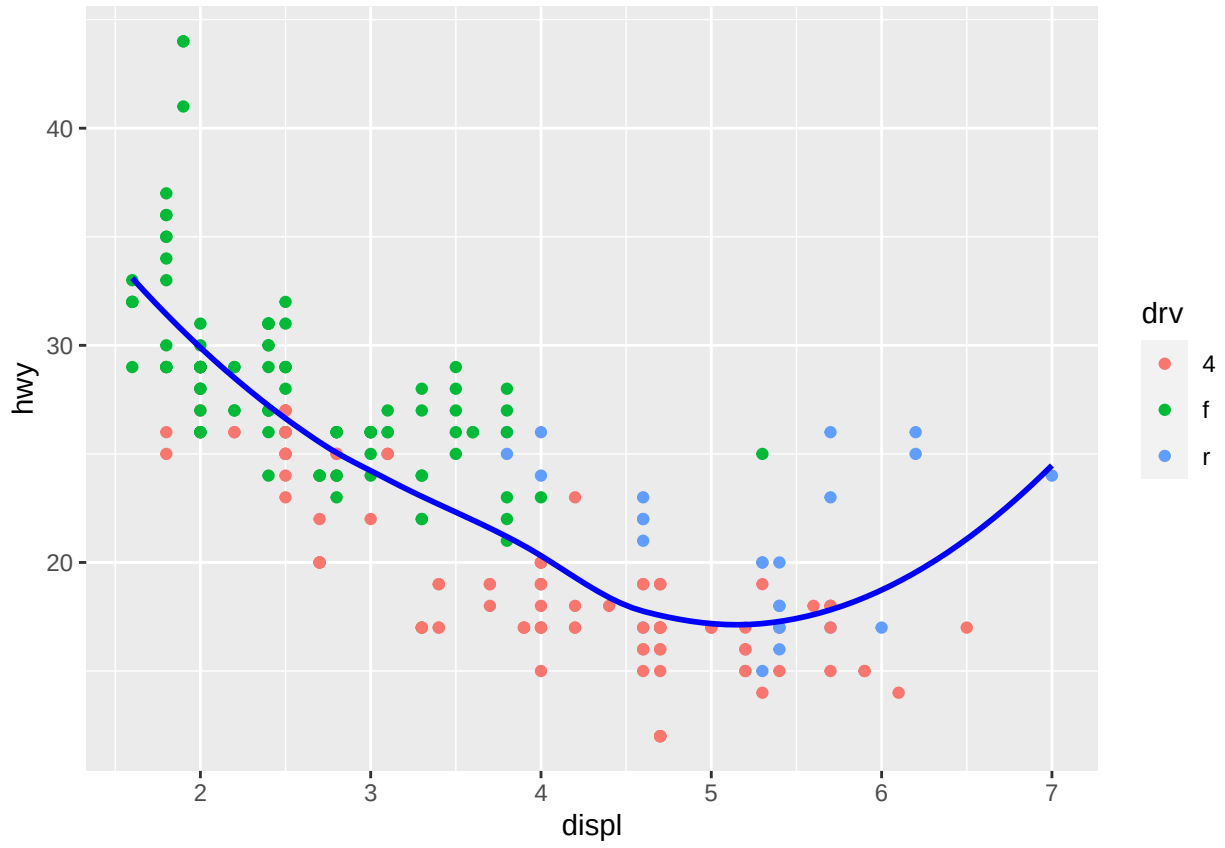
```
ggplot(mpg, aes(x = displ, y = hwy)) +
  geom_point() +
  geom_smooth(color = 'blue', se = FALSE) +
  labs (x = 'displ', y = 'hwy')
```

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



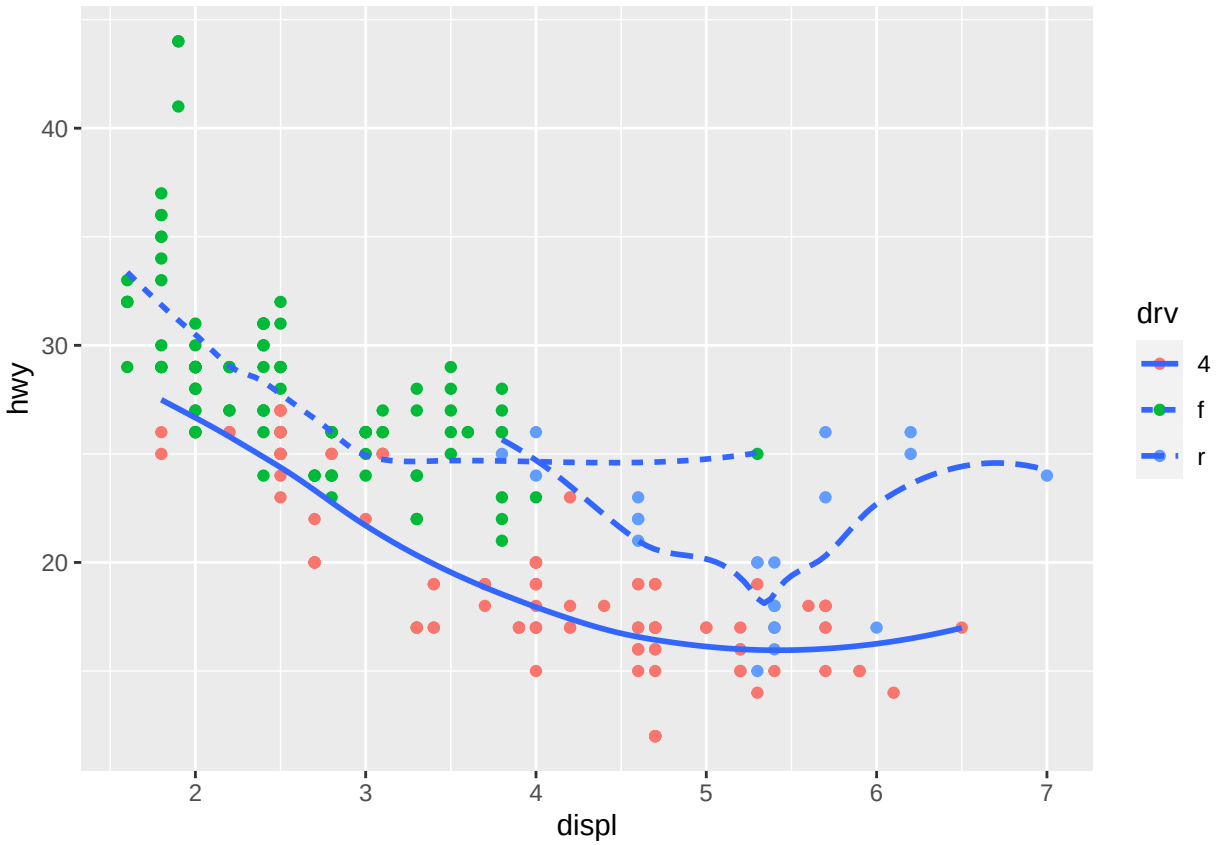

```
ggplot(mpg, aes(x = displ, y = hwy, colour = drv)) +
  geom_point() +
  geom_smooth(color = 'blue', se = FALSE) +
  labs (x = 'displ', y = 'hwy')
```

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

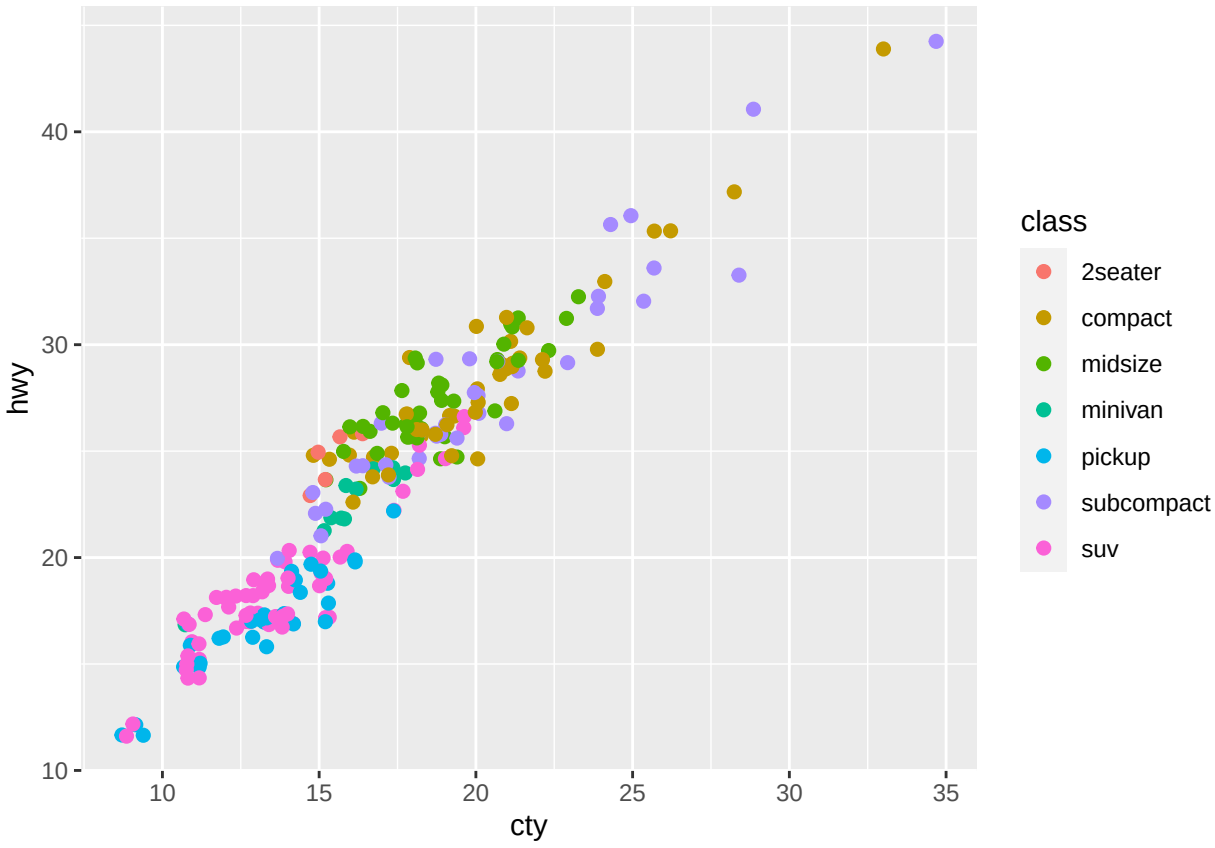



```
ggplot(data = mpg, mapping = aes(x = displ, y = hwy)) +
    geom_point(data = mpg, mapping  = aes(x = displ, y = hwy, color = drv))+
    geom_smooth(data = mpg, mapping = aes(linetype = drv), se = FALSE)
```

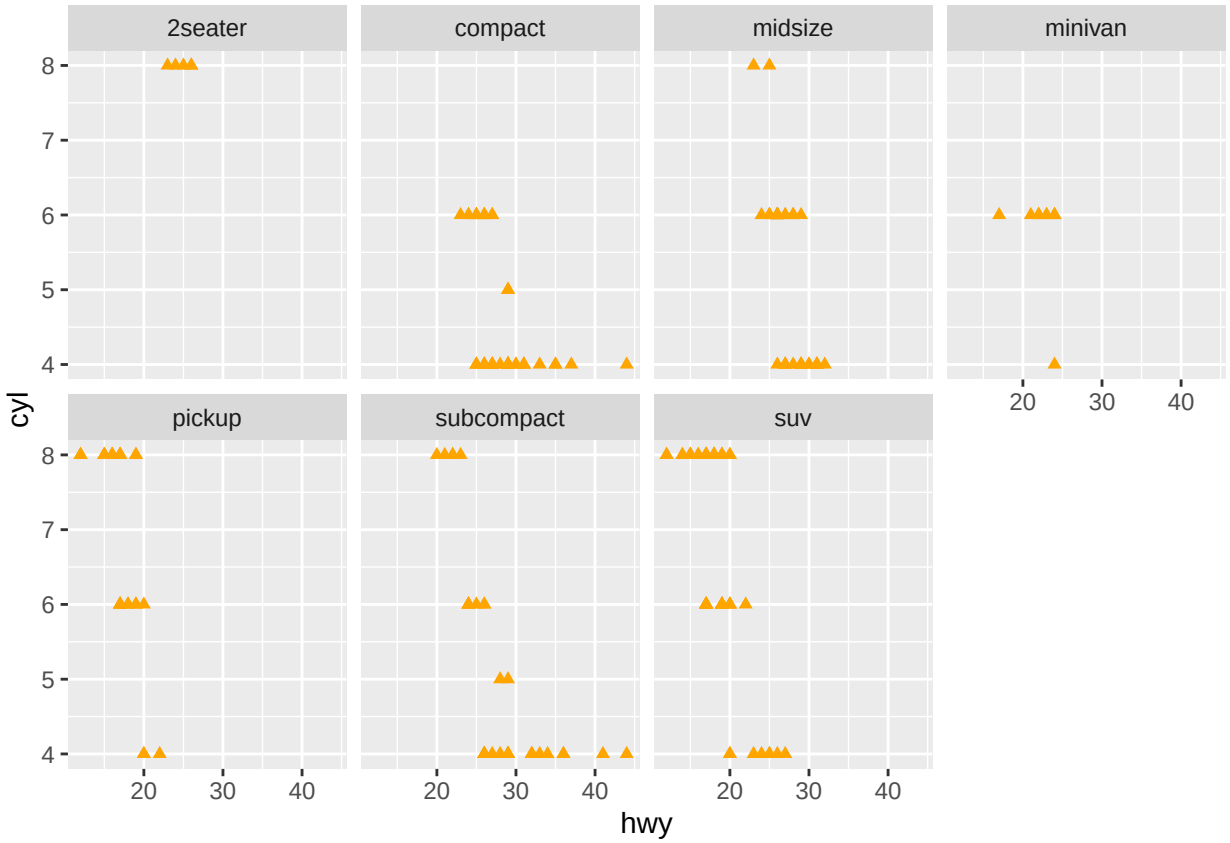
```
## `geom_smooth()` using method = 'loess' and formula = 'y ~ x'
```




```
ggplot(mpg, aes(x = cty, y = hwy, colour = class)) +
  geom_jitter(size = 2)
```




```
ggplot(data = mpg)+
      geom_point(aes(x = hwy, y = cyl), color= 'orange' , shape = 17) +
      facet_wrap(~class, nrow = 2)
```


2seater
compact
midsize
minivan
pickup
subcompact
suv
cyl
hwy
8
7
6
5
4
20
30
40