

Week 01 Workshop

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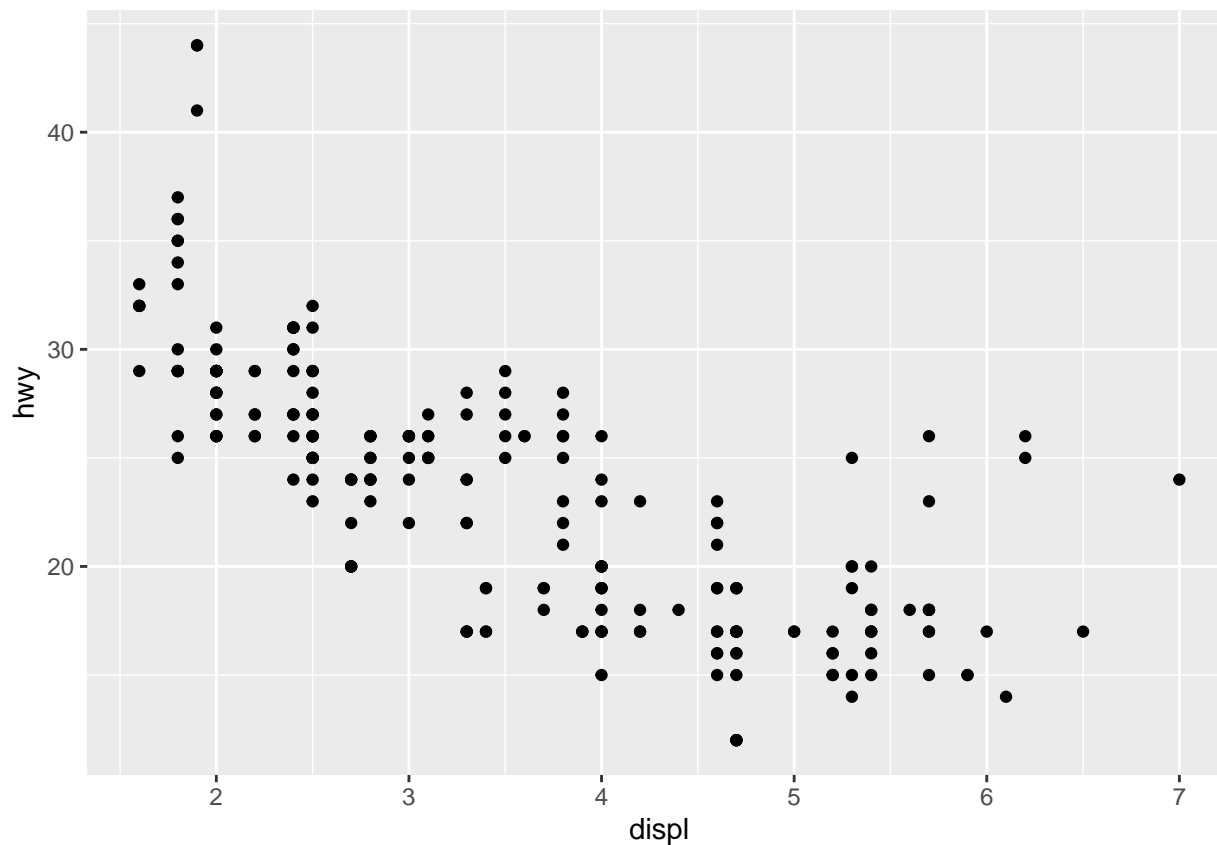
Week 01 - Workshop

Your first plot

mpg

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

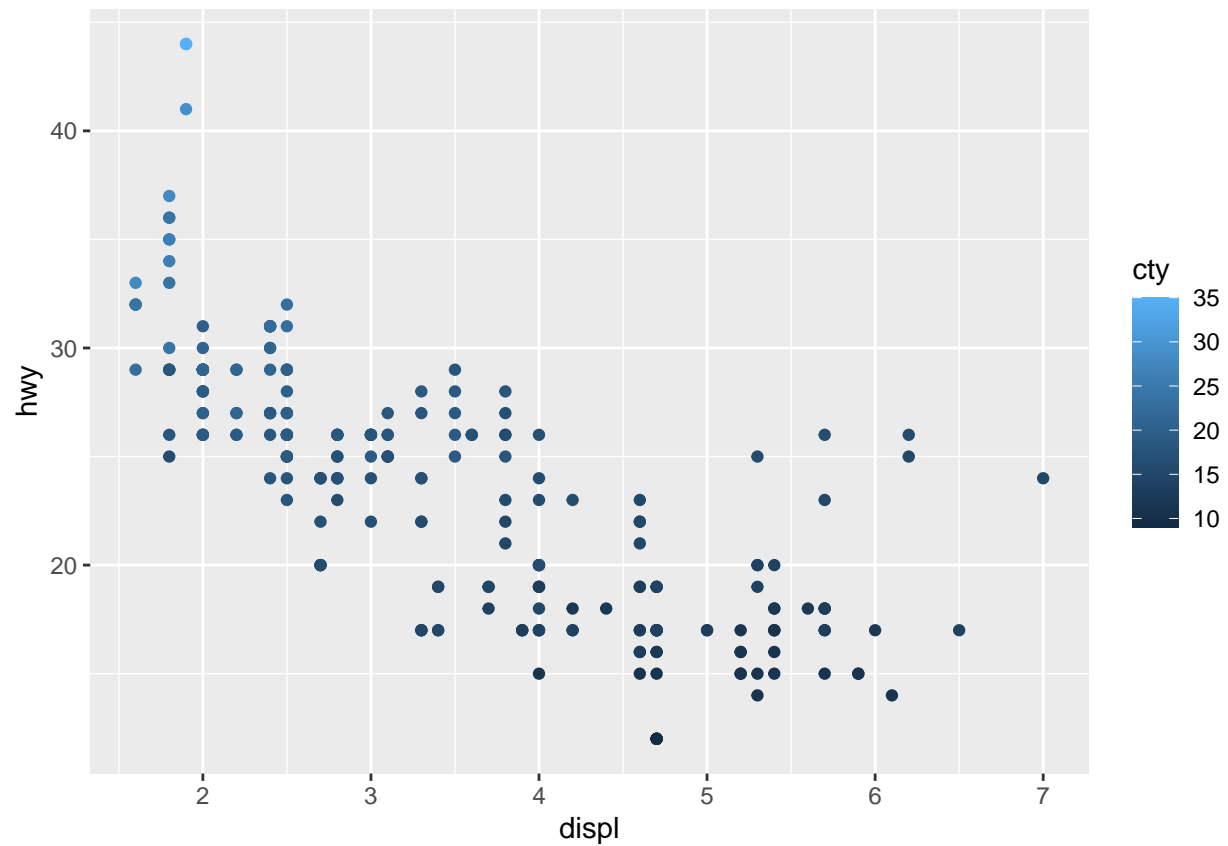


```
summary(mpg)
```

```
## manufacturer      model      displ      year
## Length:234      Length:234    Min.   :1.600  Min.   :1999
## Class :character Class :character 1st Qu.:2.400  1st Qu.:1999
## Mode  :character Mode  :character Median :3.300  Median :2004
##                                     Mean  :3.472  Mean  :2004
##                                     3rd Qu.:4.600  3rd Qu.:2008
##                                     Max.   :7.000  Max.   :2008
##      cyl      trans      drv      cty
## Min.   :4.000 Length:234 Length:234 Min.   : 9.00
## 1st Qu.:4.000 Class :character Class :character 1st Qu.:14.00
## Median :6.000 Mode  :character Mode  :character Median :17.00
## Mean   :5.889                                     Mean  :16.86
## 3rd Qu.:8.000                                     3rd Qu.:19.00
## Max.   :8.000                                     Max.   :35.00
##      hwy      fl      class
## Min.   :12.00 Length:234 Length:234
## 1st Qu.:18.00 Class :character Class :character
## Median :24.00 Mode  :character Mode  :character
## Mean   :23.44
## 3rd Qu.:27.00
## Max.   :44.00
```

Color by cty

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



Color the points by the `class` variable.

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

