ggplot practice

Description

This is a practice of ggplot package using the video at https://www.youtube.com/watch?v=UK2FhxMnmjQ
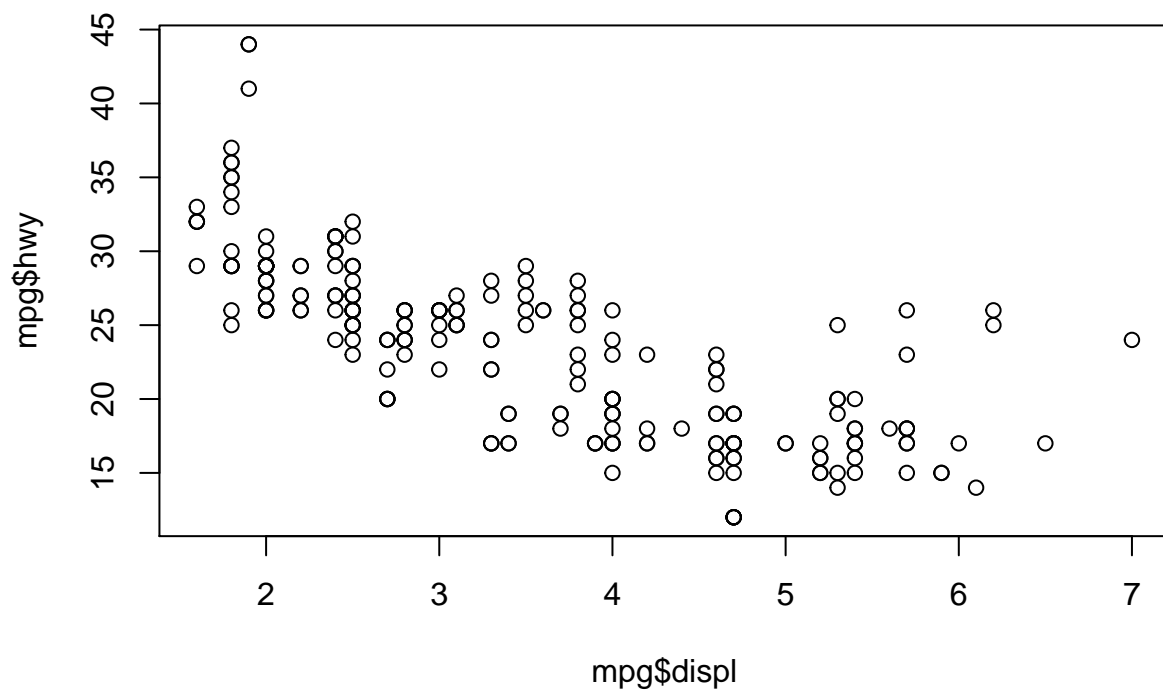
Plot of hwy vs displ

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --
```
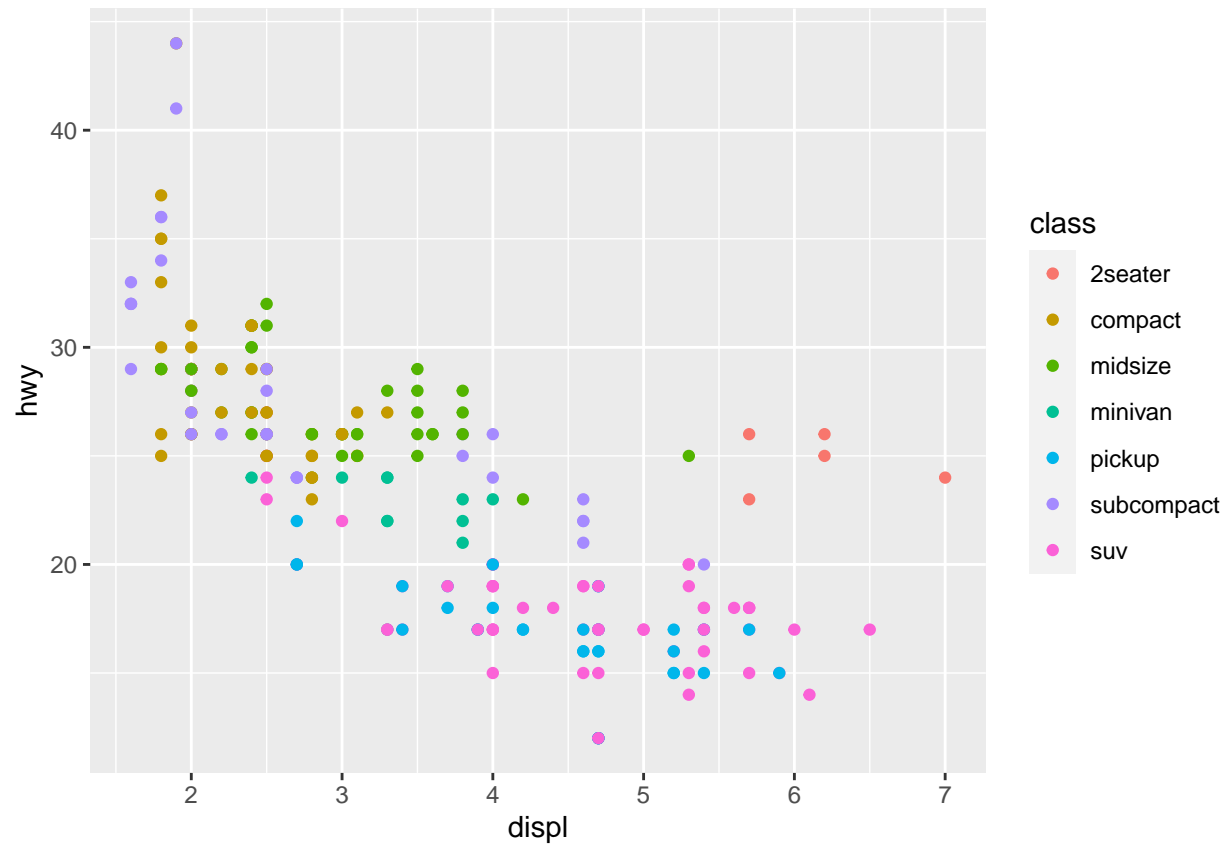
```
## v ggplot2 3.3.3      v purrr   0.3.4
## v tibble  3.0.5      v dplyr   1.0.3
## v tidyr   1.1.2      v stringr 1.4.0
## v readr   1.4.0      v forcats 0.5.0
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(ggplot2)
data(mpg)
plot(mpg$displ, mpg$hwy)
```
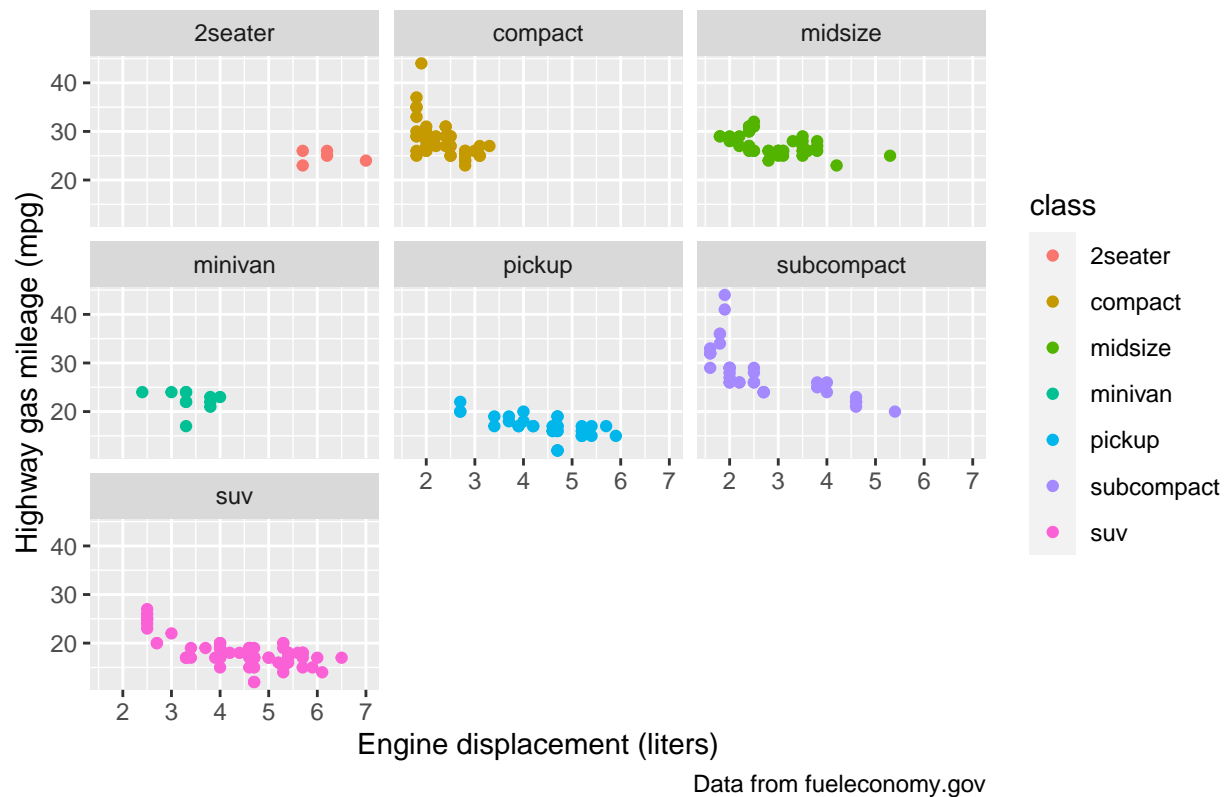
```
ggplot(data=mpg)+
  geom_point(mapping = aes(x = displ, y = hwy, color = class))
```
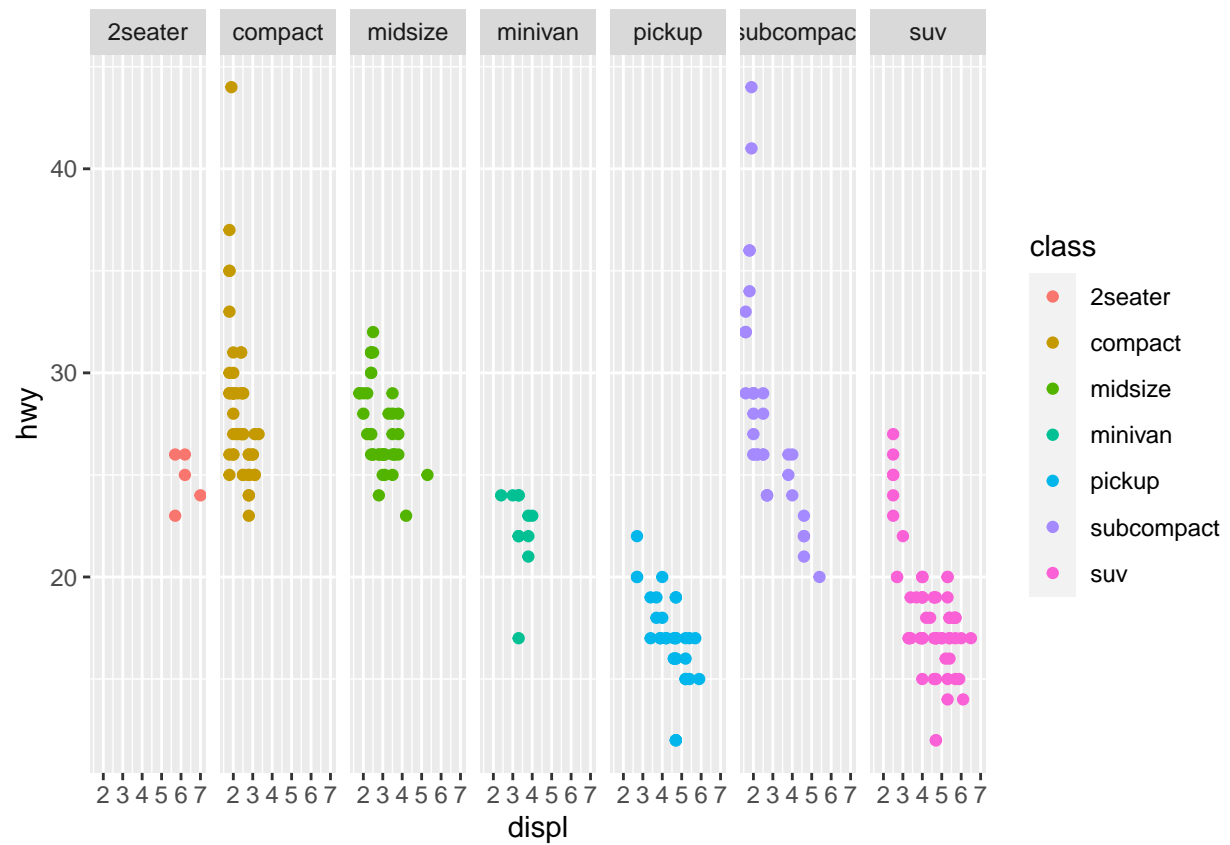
Plot of hwy vs displ

```
ggplot(data=mpg)+
  geom_point(mapping = aes(x = displ, y = hwy, color = class)) +
  facet_wrap(~ class, nrow = 3) +
  labs(
    title = "Fuel efficiency generally decreases with engine size",
    caption = "Data from fueleconomy.gov",
    x="Engine displacement (liters)",
    y="Highway gas mileage (mpg)"
  )
```

Fuel efficiency generally decreases with engine size
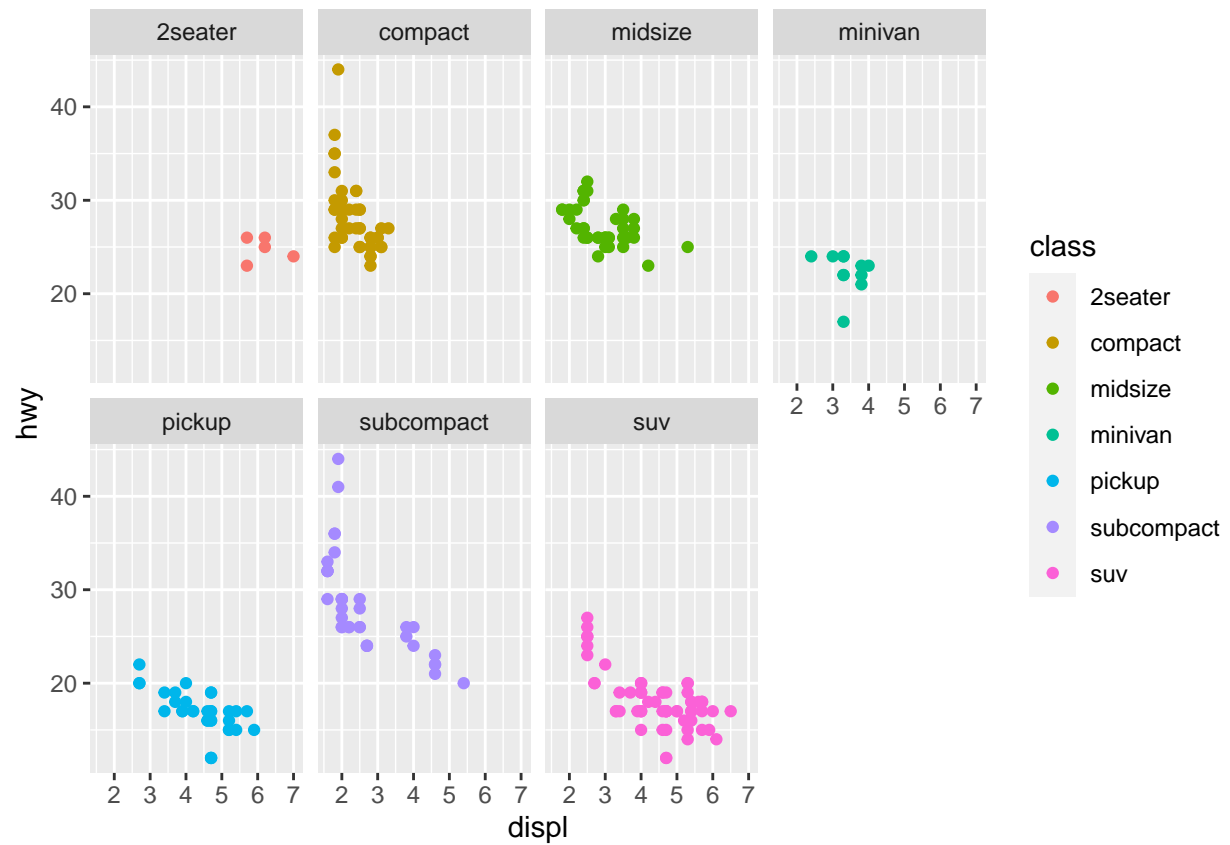
Data from fueleconomy.gov

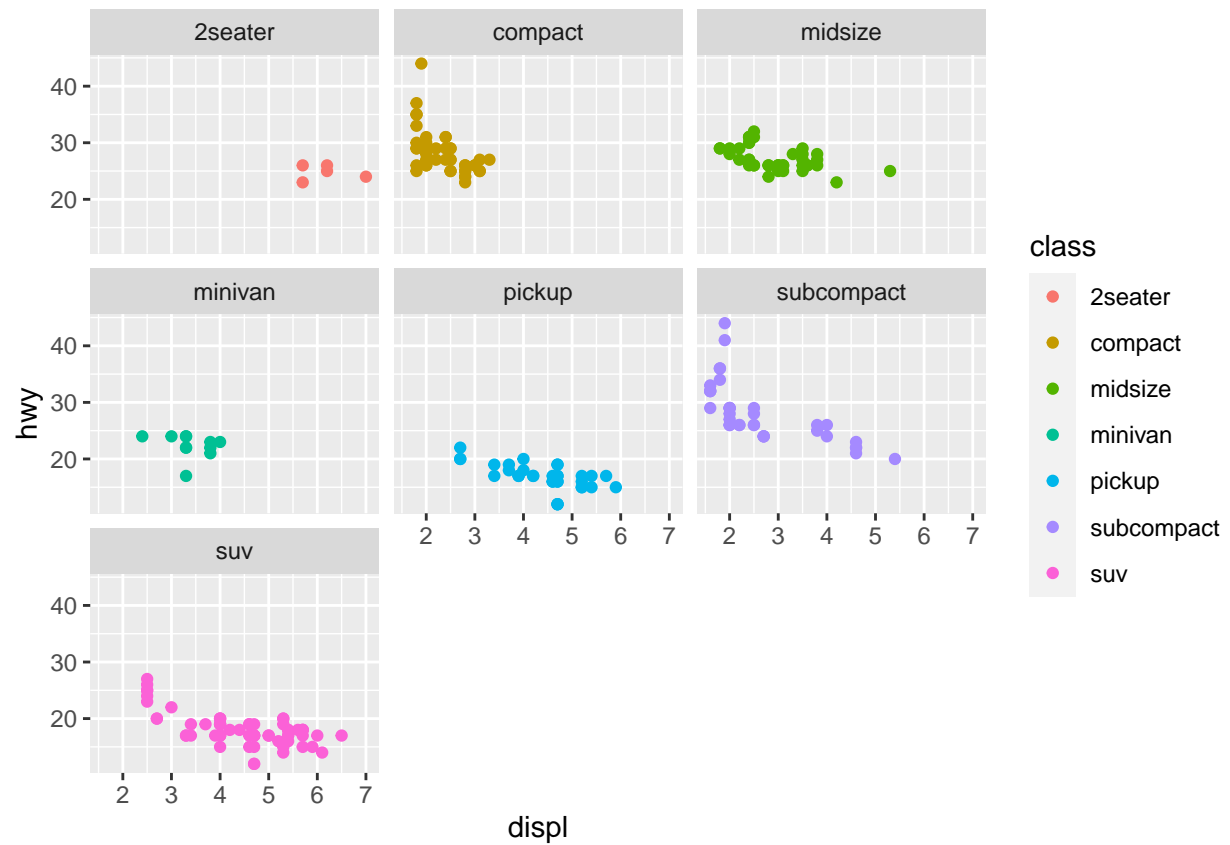## Save plot as r-object (p1)

```
p1 = ggplot(data=mpg) +
  geom_point(mapping = aes(x = displ, y = hwy, color = class))

p1 + facet_wrap(~ class, nrow=1)
```
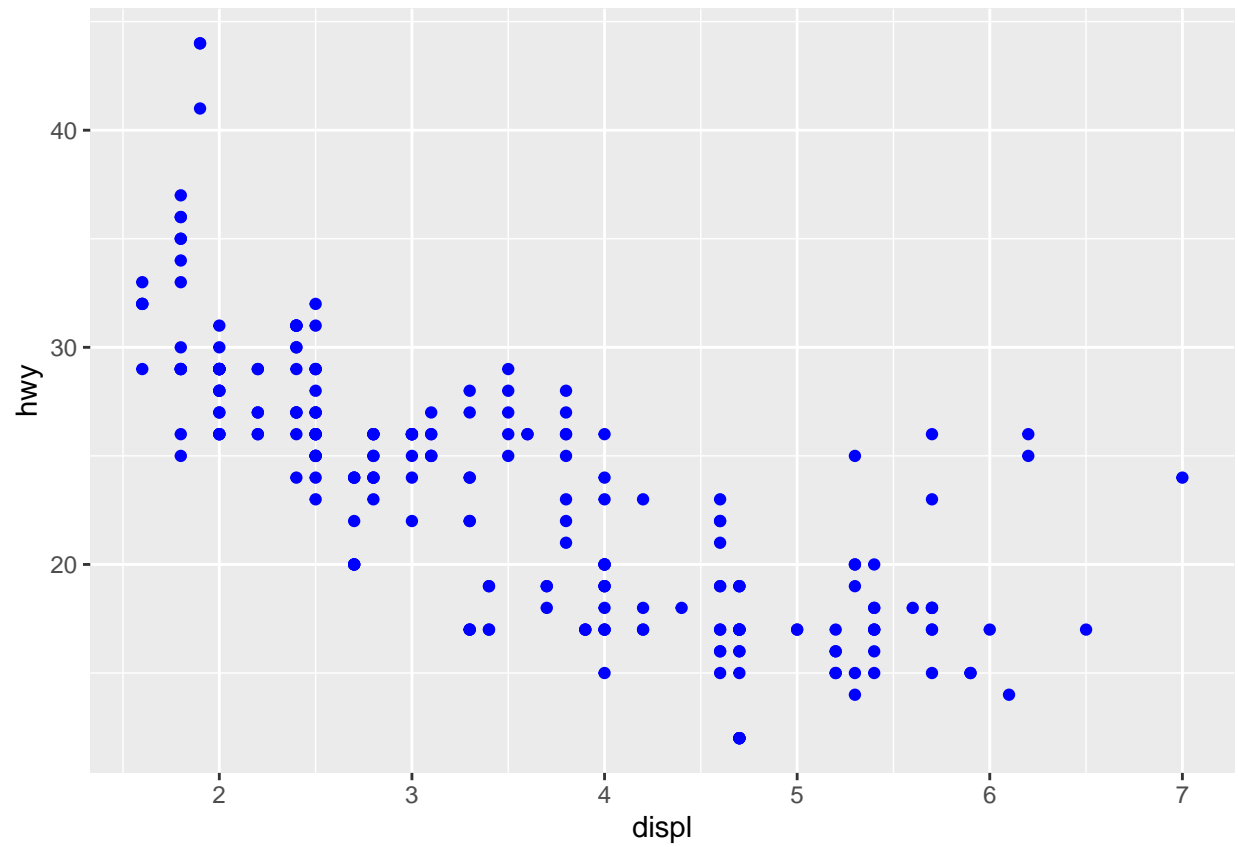
```
p1 + facet_wrap(~ class, nrow=2)
```

```
p1 + facet_wrap(~ class, nrow=3)
```

Manual aes property

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

##TEST TO SEE IF CHANGES COMMIT! YAAAAAAAAAAY