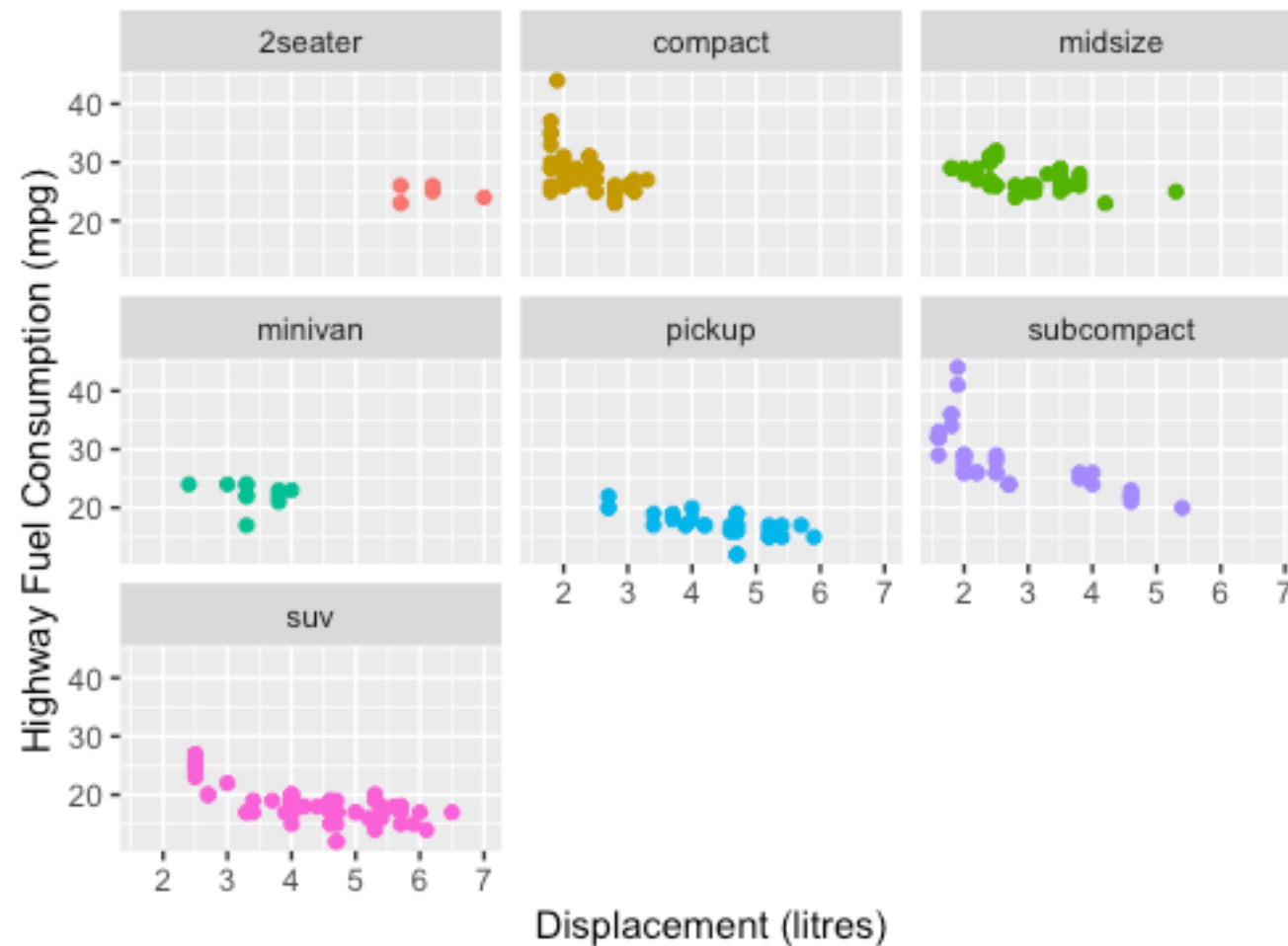Highway Fuel Consumption by Cylinder Displacement for Each Vehicle Class

```
#facet wrap by vehicle class with displacement instead of cylinder number
ggplot(mpg, aes(displ, hwy, colour = class)) +
   geom_point() + facet_wrap(~class) +
   guides(colour = FALSE) + xlab("Displacement (litres)") + ylab("Highway Fuel Consumption
(mpg)") +
   ggtitle ("Highway Fuel Consumption by Cylinder Displacement \nfor Each Vehicle Class")
```

Note I haven't explicitly used x = or y = here…

Highway Fuel Consumption by Cylinder Displacement for Each Vehicle Class with Linear Regression Line

```
#now add a linear function to each
ggplot(mpg, aes(displ, hwy, colour = class)) +
  geom_point() + facet_wrap(~class) +
  guides(colour = FALSE) + geom_smooth(method = "lm") +
  xlab("Displacement (litres)") + ylab("Highway Fuel Consumption (mpg)") +
  ggtitle ("Highway Fuel Consumption by Cylinder Displacement \nfor Each Vehicle Class with
Linear Regression Line")
```