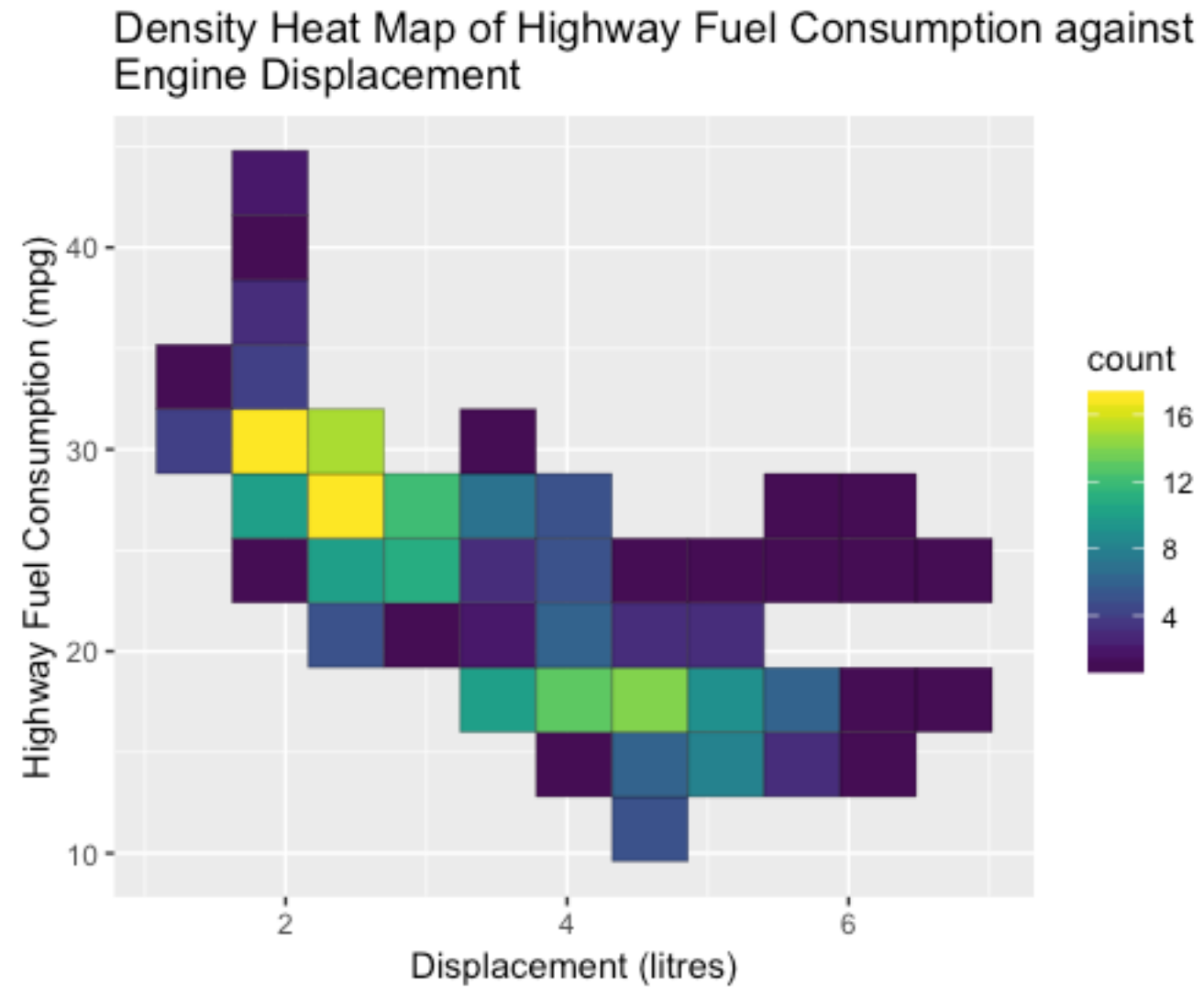


```
ggplot(mpg, aes(displ, hwy, colour = cyl)) + geom_jitter(width = 0.05, alpha = .5, size =  
4) + xlab("Displacement (litres)") + ylab("Highway Fuel Consumption (mpg)") +  
  ggtitle ("Scatter Plot of Highway Fuel Consumption against \nEngine Displacement  
Grouped by Cylinder Number")
```



```
#2d histogram with density heatmap
ggplot(mpg, aes(displ, hwy)) +
  stat_bin2d(bins = 10, colour = "black") + scale_fill_viridis() +
  xlab("Displacement (litres)") + ylab("Highway Fuel Consumption (mpg)") +
  ggtitle ("Density Heat Map of Highway Fuel Consumption against \nEngine Displacement")
```