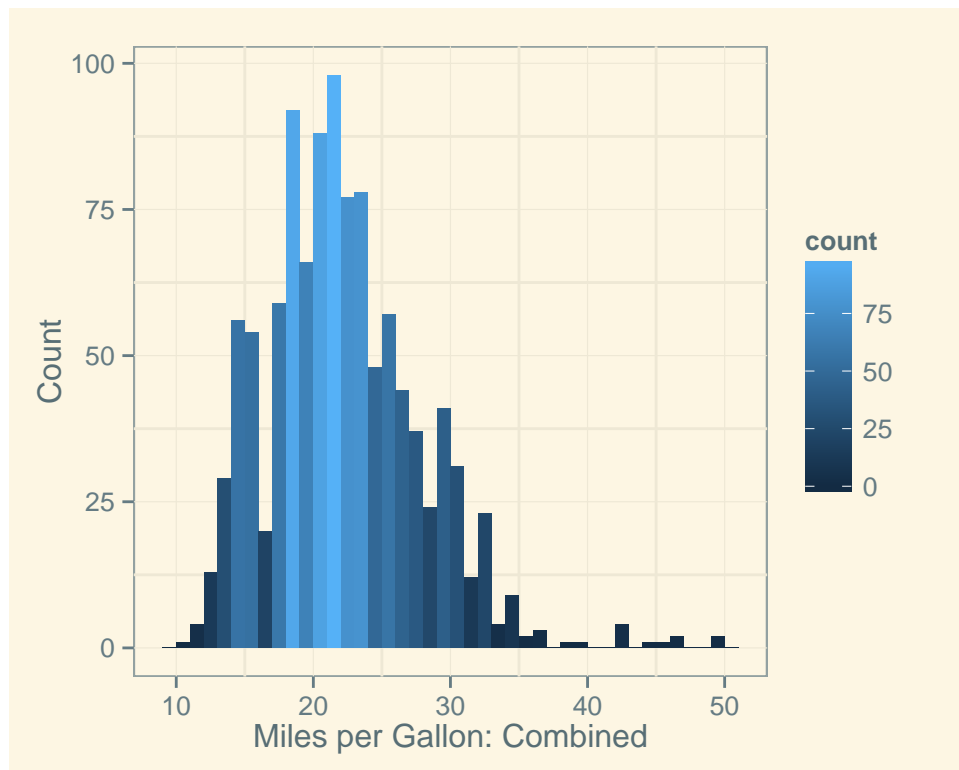


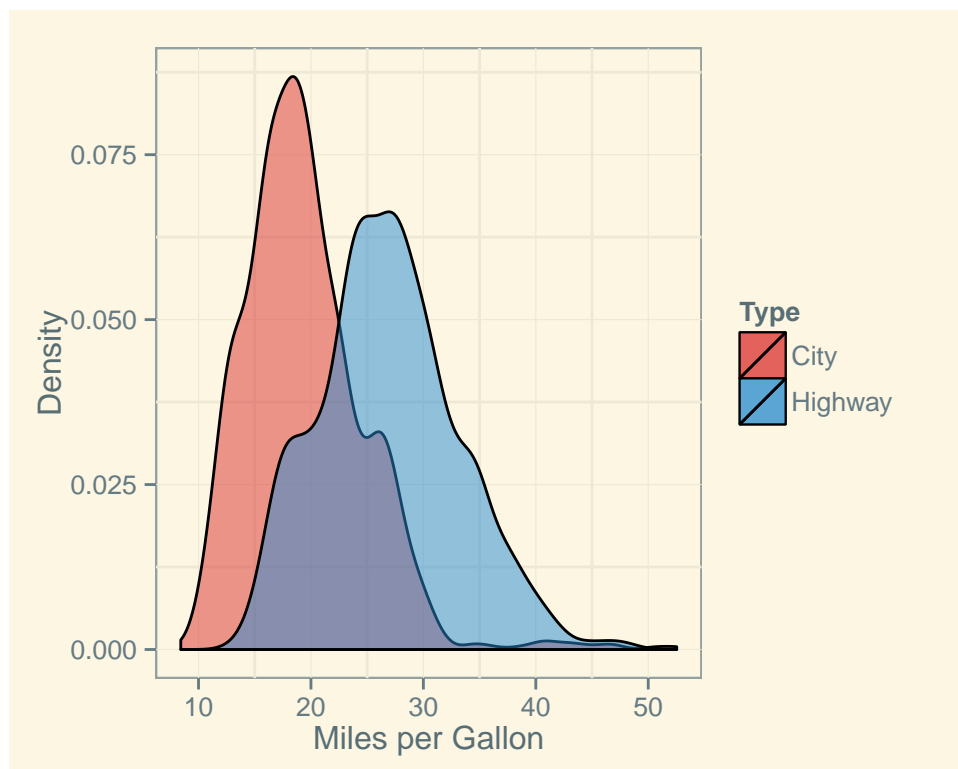
6.1.5 Histograms: `geom_histogram()`

```
1 > plot4 <- ggplot(data = FE2013, aes(x = FEcombined)) +  
  geom_histogram(binwidth = 1, aes(fill = ..count..)) +  
  labs(x = "Miles per Gallon: Combined", y = "Count")  
2 > plot4
```



6.1.6 Density Plots: `geom_density()`

```
1 >plot5 <- ggplot(data = FE2013) +  
  geom_density(aes(FEcity, fill = "City"), alpha = 0.5) +  
  geom_density(aes(FEhighway, fill = "Highway"), alpha =  
    0.5) +  
  labs(x = "Miles per Gallon", y = "Density") +  
  guides(fill = guide_legend(title = "Type"))  
2 > plot5
```

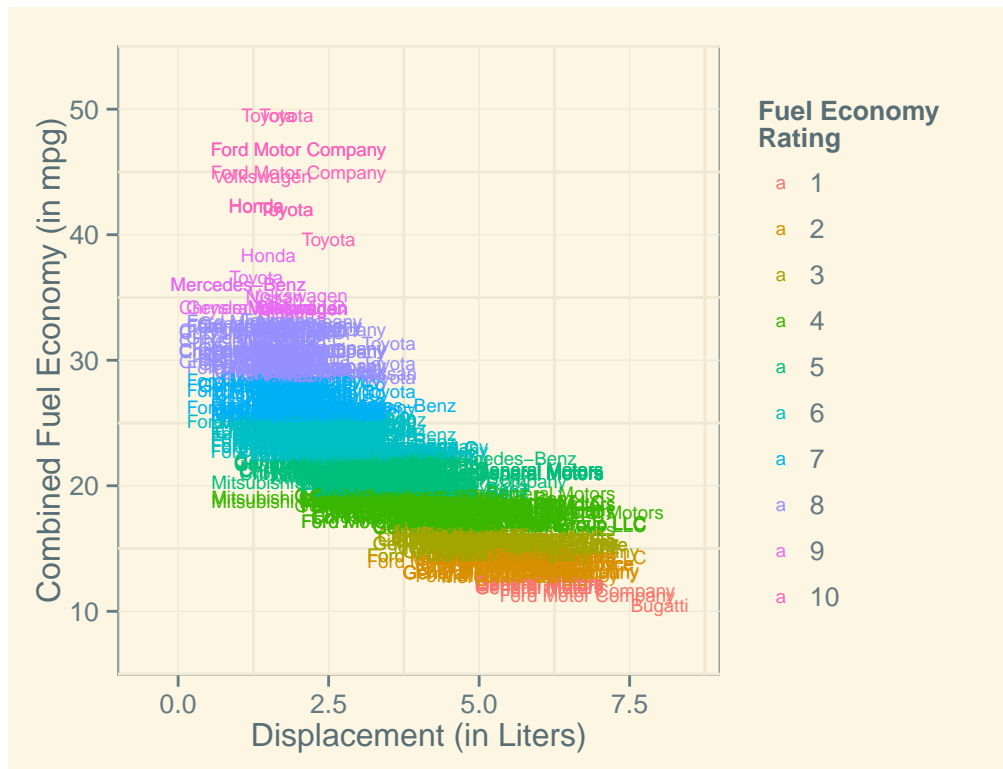


6.1.7 Text Plots: `geom_text()`

```

1 > plot6 <- ggplot(data = FE2013) +
2   geom_text(aes(x = Displacement, y = FEcombined, label =
3     Manufacturer, color = as.factor(FERating)), size =
4     3) +
5   labs(x = "Displacement (in Liters)", y = "Combined Fuel
6     Economy (in mpg)") +
7   guides(color = guide_legend(title = "Fuel Economy\
8     nRating")) +
9   coord_cartesian(xlim = c(-1,9), ylim = c(5,55))
10 > plot6

```



6.1.8 Faceting: `facet_wrap()` & `facet_grid()`

The `facet_wrap()` and `facet_grid()` functions allow for creating graphical contingency tables.

```
1 > FE2013$Gears <- as.factor(FE2013$Gears)
2 > FE2013$FErating <- as.factor(FE2013$FErating)
3 > plot7 <- ggplot(data = FE2013, aes(x = FEhighway, y =
  FEcity)) +
  geom_point(aes(color = Gears)) +
  geom_rug(sides = "b") +
  geom_smooth(method = "lm") +
  facet_wrap(~ Cylinder)
4 > plot7
```

