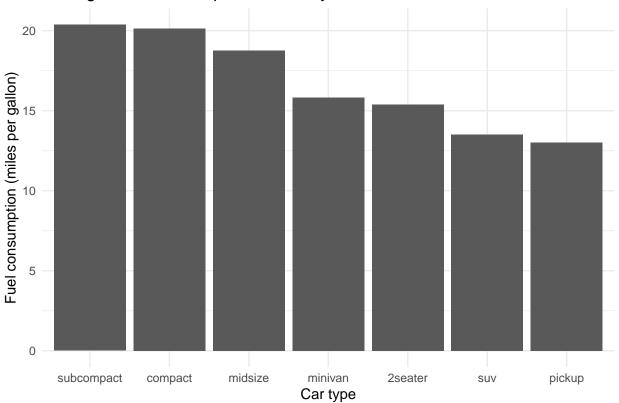
Data Visualization R

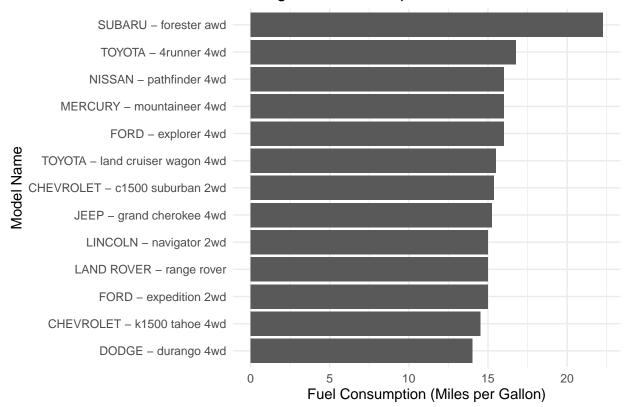
Tonnsaai Anantrechai

Average Fuel Consumption in the city



```
##Q2 Average Fuel consumption of SUV in 2008
suv_segment <- mpg %>%
                  select(manufacturer, model, displ, year, class, hwy, cty) %>%
                  filter(year == 2008 & grepl("suv", class)) %>%
                  mutate(manu_upper = toupper(manufacturer),
                        full_name = paste(manu_upper, model, sep = " - " )) %>%
                  group_by(full_name) %>%
                  summarise(mean_hwy = mean(hwy),
                            mean_cty = mean(cty),
                            avg_cons = (mean_hwy+mean_cty)/2
                            ) %>%
                  ggplot(aes( y = reorder(full_name,avg_cons), x = avg_cons)) +
                  geom_col() +
                  theme_minimal() +
                  labs( title = "Average Fuel consumption in 2008 SUV class",
                        x = "Fuel Consumption (Miles per Gallon)",
                        y = "Model Name"
suv_segment
```

Average Fuel consumption in 2008 SUV class



Mean City Mileage by Year and Class

