Lab 2

```r
library(ggplot2)
library(dplyr)
```

```
Attaching package: 'dplyr'


The following objects are masked from 'package:stats':

    filter, lag


The following objects are masked from 'package:base':

    intersect, setdiff, setequal, union
```
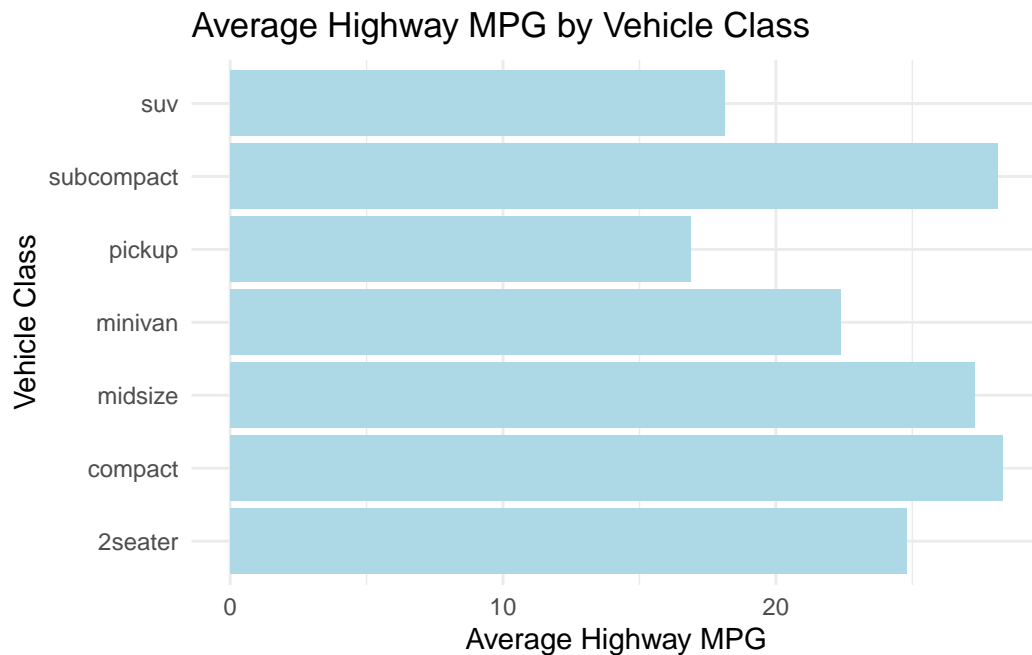
```r
# Calculate the average highway mpg for each class of vehicle
avg_mpg <- mpg %>%
  group_by(class) %>%
  summarise(avg_hwy_mpg = mean(hwy))
# Plot the average highway mpg with class on the y-axis, all bars in light blue
ggplot(avg_mpg, aes(y = class, x = avg_hwy_mpg)) +
  geom_col(fill = "lightblue") + # Set all bars to light blue
labs(title = "Average Highway MPG by Vehicle Class",
  y = "Vehicle Class",
  x = "Average Highway MPG") +
theme_minimal()
```

Average Highway MPG by Vehicle Class


```
avg_mpg <- mpg %>%
group_by(class) %>%
  summarise(avg_hwy_mpg = mean(hwy))
# Plot the average highway mpg with class on the y-axis, all bars in light blue
ggplot(avg_mpg, aes(y = class, x = avg_hwy_mpg)) +
geom_col(fill = "lightblue") + # Set all bars to light blue
labs(title = "Average Highway MPG by Vehicle Class",
y = "Vehicle Class",
x = "Average Highway MPG") +
theme_minimal()
```

Average Highway MPG by Vehicle Class