

HW2-4-mtcars

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2024-02-13

```
library(ggplot2)

data(mtcars)

# Calculate the correlation between 'mpg' and 'wt'
correlation <- cor(mtcars$mpg, mtcars$wt)

print(paste("Correlation between mpg and wt:", correlation))

## [1] "Correlation between mpg and wt: -0.867659376517228"

# Generate the scatter plot
p <- ggplot(mtcars, aes(x=wt, y=mpg)) +
  geom_point() +
  theme_minimal() +
  labs(title="Scatter plot of mpg vs wt", x="Weight", y="Miles/(US) gallon")

print(p)
```

