

Shiny Pitch

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Motor Trends Magazine 1974 Data

The data was extracted from the 1974 Motor Trend US magazine, and comprises fuel consumption and 10 aspects of automobile design and performance for 32 automobiles (1973–74 models).

The following slide contains the 10 variables used to compare Miles Per Gallon given the 32 observations of vehicles.

Observed Variables

- ▶ Number of Cylinders
- ▶ Displacement
- ▶ Gross HorsePower
- ▶ Rear Axle Ratio
- ▶ Weight
- ▶ Quarter Mile Time
- ▶ Engine Type
- ▶ Transmission Type
- ▶ Number of Forward Gears
- ▶ Number of Carburetors

There are reasons to use this Shiny Application.

This Shiny App takes a look at how each of the variables in this data set effects the Miles Per Gallon variable 'mpg'. It is important to know which variables have what effect on how many miles per gallon of gas a vehicle gets when buying a vehicle. This application will give a chance to look into which variables have the most effect on how much gas we use.

The following slide will give one example of what this Shiny App will do executing the following code.

```
ggplot(data = mtcars, mapping = aes(x = mtcars$mpg, y = mtcars$displacement)) +  
  labs(title = 'See how each variable effects Miles Per Gallon',  
        y = 'Miles Per Gallon',  
        x = 'displacement') +  
  geom_point()
```

Example Plot

See how each variable effects Miles Per Gallon

