

Motor Trend Car Road Tests

Description

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).

Usage

```
mtcars
```

Format

A data frame with 32 observations on 11 variables.

```
[, 1] mpg  Miles/(US) gallon  
[, 2] cyl   Number of cylinders  
[, 3] disp  Displacement (cu.in.)  
[, 4] hp    Gross horsepower  
[, 5] drat  Rear axle ratio  
[, 6] wt    Weight (1000 lbs)  
[, 7] qsec  1/4 mile time  
[, 8] vs    V/S  
[, 9] am    Transmission (0 = automatic, 1 = manual)  
[,10] gear  Number of forward gears  
[,11] carb  Number of carburetors
```

Source

Henderson and Velleman (1981), Building multiple regression models interactively. *Biometrics*, **37**, 391–411.

Examples

```
require(graphics)  
pairs(mtcars, main = "mtcars data")  
coplot(mpg ~ disp | as.factor(cyl), data = mtcars,  
       panel = panel.smooth, rows = 1)
```