

2004 Cars and Trucks Data

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Description of data

The Cars and Trucks Data lists specifications for 428 different vehicles from the year 2004, including factors related to the type of vehicle, prices, size, functionality, and fuel efficiency.

For this project, the suggested retail price will be the dependent variable – the variable we will look to explain through our analysis. The remaining variables in the dataset will act as independent variables.

Link to data set

To access the cars and trucks dataset, please visit the link below:

<http://jse.amstat.org/datasets/04cars.dat.txt>

List of explanatory variables

- Type of Vehicle – the variants of vehicles named include the following: Sports, SUV, Wagon, Minivan, Pickup, AWD, RWD
- Dealer cost – the amount dealers pay manufacturers to buy the vehicle
- Engine size (liters)
- Number of Cylinders (=-1 if rotary engine)
- Horsepower
- City Miles per Gallon
- Highway Miles per Gallon
- Weight (pounds)
- Wheel Base (inches)
- Length (inches)
- Width (inches)

Size of data set

This data set has 428 observations for 19 variables.