Data from 93 Cars on Sale in the USA in 1993

**Description**

The Cars93 data frame has 93 rows and 27 columns.

**Usage**

Cars93

**Format**

This data frame contains the following columns:

Manufacturer

Manufacturer.

Model

Model.

Type

Type: a factor with levels "Small", "Sporty", "Compact", "Midsize", "Large" and "Van".

Min.Price

Minimum Price (in \$1,000): price for a basic version.

Price

Midrange Price (in \$1,000): average of Min.Price and Max.Price.

Max.Price

Maximum Price (in \$1,000): price for “a premium version”.

MPG.city

City MPG (miles per US gallon by EPA rating).

MPG.highway

Highway MPG.

AirBags

Air Bags standard. Factor: none, driver only, or driver & passenger.

DriveTrain

Drive train type: rear wheel, front wheel or 4WD; (factor).

Cylinders

Number of cylinders (missing for Mazda RX-7, which has a rotary engine).

EngineSize

Engine size (litres).

Horsepower

Horsepower (maximum).

RPM

RPM (revs per minute at maximum horsepower).

Rev.per.mile

Engine revolutions per mile (in highest gear).

Man.trans.avail

Is a manual transmission version available? (yes or no, Factor).

Fuel.tank.capacity

Fuel tank capacity (US gallons).

Passengers

Passenger capacity (persons)

Length

Length (inches).

Wheelbase

Wheelbase (inches).

Width

Width (inches).

Turn.circle

U-turn space (feet).

Rear.seat.room

Rear seat room (inches) (missing for 2-seater vehicles).

Luggage.room

Luggage capacity (cubic feet) (missing for vans).

Weight

Weight (pounds).

Origin

Of non-USA or USA company origins? (factor).

Make

Combination of Manufacturer and Model (character).

**Details**

Cars were selected at random from among 1993 passenger car models that were listed in both the *Consumer Reports*issue and the *PACE Buying Guide*. Pickup trucks and Sport/Utility vehicles were eliminated due to incomplete information in the *Consumer Reports* source. Duplicate models (e.g., Dodge Shadow and Plymouth Sundance) were listed at most once.

Further description can be found in Lock (1993).

**Source**

Lock, R. H. (1993) 1993 New Car Data. *Journal of Statistics Education* **1**(1).<http://www.amstat.org/publications/jse/v1n1/datasets.lock.html>.

**References**

Venables, W. N. and Ripley, B. D. (1999) *Modern Applied Statistics with S-PLUS.* Third Edition. Springer.