

**hybrid.csv**

## **Hybrid passenger vehicle data**

### **Description**

Prices (MSRP, in 2013 \$) for 154 hybrid models. Also included are model year, acceleration rate, fuel economy (mpg), and max of MPG and MPGe for fully electric (plug-ins).  $MPGe = 33.7 * \text{driverrange} / \text{batterycapacity}$ . Model classes: C = Compact, M = Midsize, TS = 2 Seater, L + Large, PT = Pickup Truck, MV = Minivan, SUV = Sport Utility Vehicle

### **Format**

A csv file with 154 rows and 6 variables

### **Details**

- Variables/Labels
- carid: Vehicle id
- vehicle: Vehicle type
- year: Model year
- msrp: Manufacturer's suggested retail price in 2013 in dollars
- accelrate: Acceleration rate in km/hour/second
- mpg: Fuel economy in miles/gallon
- mpgmpge: Max between mpg and mpge. Mpge is the unit of measurement for an electric car's energy consumption level to compare with gas-powered vehicles' fuel consumption.
- carclass: Model class
- carclass\_id: Model class ID

**Note:** The original data set was modified by Mahmoud Harding (mharding@uchicago.edu).

### **References**

Source: D-J. Lim, S.R. Jahromi, T.R. Anderson, A-A. Tudorie (2014). "Comparing Technological Advancement of Hybrid Electric Vehicles (HEV) in Different Market Segments," Technological Forecasting & Social Change, <http://dx.doi.org/10.1016/j.techfore.2014.05.008>