

Fuel Types Properties:

Variable	Description	Units
id	vehicle record id	
Fuel_Type	A factor indicating fuel type 1 or fuel type 2. For single fuel vehicles, fuel type 1 will be the only fuel. For dual fuel vehicles, fuel type 1 will be the conventional fuel. For dual fuel vehicles, fuel type 2 will be the alternative fuel. For single fuel vehicles, the fuel type 2 field is not used and is coded NA.	
Fuel_Type_Name	The specific type of fuel that acts as fuel type 1 or fuel type 2 for each vehicle.	Fuel Type Levels: Diesel, E85, Electricity, Midgrade Gasoline, Natural Gas, Premium Gasoline, Propane, Regular Gasoline.
Annual Petrol Consumption	Annual petroleum consumption	Barrels
City_MPG	MPG when driving in the city	Miles per gallon
Highway_MPG	MPG when driving on the highway	Miles per gallon
Combined_MPG	Combined MPG	Miles per gallon
Tailpipe_CO2	Tailpipe CO2 emissions	Grams/mile
Fuel_Cost	Annual fuel cost	Dollars (\$)

Vehicle Properties:

Variable	Description	Units
Id	vehicle record id	
Year	Model year	
Make	manufacturer	
Model	Model name	
atvType	Type of alternative fuel or advanced technology vehicle	
Cylinders	Number of engine cylinders	
Charge120	time to charge an electric vehicle in hours at 120 V	hours
Charge 240	charge240 - time to charge an electric vehicle in hours at 240 V	hours
cityCD	city gasoline consumption in charge depleting mode	gallons/100 miles
cityE	city electricity consumption	kw-hrs/100 miles
CityUF	EPA city utility factor (share of electricity) for PHEV	
combE	combined electricity consumption	kw-hrs/100 miles
combinedCD	combined gasoline consumption in charge depleting mode	gallons/100 miles
combinedUF	EPA combined utility factor (share of electricity) for PHEV	

Displ	engine displacement	liters
Drive	drive axle type	
Eng_dscr	engine descriptor	see http://www.fueleconomy.gov/feg/indacarhelp.shtml#engine
evMotore	electric motor	kw-hrs
highwayUF	EPA highway utility factor (share of electricity) for PHEV	
Hlv	hatchback luggage volume	cubic feet
Hpv	hatchback passenger volume	cubic feet
Lv2	2 door luggage volume	cubic feet
lv4	4 door luggage volume	cubic feet
phevBlended	if true, this vehicle operates on a blend of gasoline and electricity in charge depleting mode	TRUE / FALSE
Pv2	2-door passenger volume	cubic feet
Pv4	4-door passenger volume	cubic feet
Trany	transmission	Automatic/Manual
youSaveSpend	you save/spend over 5 years compared to an average car. Savings are positive; a greater amount spent yields a negative number. For dual fuel vehicles, this is the cost savings for gasoline	Dollars (\$)
sCharger	if S, this vehicle is supercharged	
tCharger	if T, this vehicle is turbocharged	
C240bDscr	electric vehicle charger description	
startStop	vehicle has start-stop technology	Y, N, or blank for older vehicles
Phevcity	EPA composite gasoline-electricity city MPGe for plug-in hybrid vehicles	
phevHwy	EPA composite gasoline-electricity highway MPGe for plug-in hybrid vehicles	
phevComb	EPA composite gasoline-electricity combined city-highway MPGe for plug-in hybrid vehicles	