Case Study on Multiple Regression

About the Dataset:

You are an auto expert who reviews the latest cars launched around the world in his/her YOUTUBE CHANNEL and based on your inputs people decide which car to buy.

You have data corresponding to 426 cars launched around the world across countries in last 5 years.

Using this dataset create a model which may help you predict the mileage of any new car launched in the market, so that you can give your followers an exact idea whether a newly launched car is fuel efficient or not.

Here’s a list of 426 cars from various Car Maker Companies, launched across globe in last 5 years.

Create a Model to predict the MPG (mileage per gallon) of any new car launched in the market by these Car Makers.

The parameters available corresponding to each car are as follows:

1. Maker
2. Type
3. Origin
4. Drivetrain
5. Engine Size
6. Cylinders
7. Horsepower
8. Mileage
9. Weight
10. Wheelbase
11. Length

Make	Model	Type	Origin	DriveTrain	Engine Size (	Cylinders	Horsepowe	MPG (Highv
Acura	MDX	SUV	Asia	All	3.5	6	265	23
Acura	RSX Type S 2dr	Sedan	Asia	Front	2	4	200	31
Acura	TSX 4dr	Sedan	Asia	Front	2.4	4	200	29
Acura	TL 4dr	Sedan	Asia	Front	3.2	6	270	28
Acura	3.5 RL 4dr	Sedan	Asia	Front	3.5	6	225	24
Acura	3.5 RL w/Navigation 4dr	Sedan	Asia	Front	3.5	6	225	24
Acura	NSX coupe 2dr manual S	Sports	Asia	Rear	3.2	6	290	24
Audi	A4 1.8T 4dr	Sedan	Europe	Front	1.8	4	170	31
Audi	A41.8T convertible 2dr	Sedan	Europe	Front	1.8	4	170	30
Audi	A4 3.0 4dr	Sedan	Europe	Front	3	6	220	28
Audi	A4 3.0 Quattro 4dr manual	Sedan	Europe	All	3	6	220	26
Audi	A4 3.0 Quattro 4dr auto	Sedan	Europe	All	3	6	220	25
Audi	A6 3.0 4dr	Sedan	Europe	Front	3	6	220	27
Audi	A6 3.0 Quattro 4dr	Sedan	Europe	All	3	6	220	25
Audi	A4 3.0 convertible 2dr	Sedan	Europe	Front	3	6	220	27
Audi	A4 3.0 Quattro convertible 2d	Sedan	Europe	All	3	6	220	25
Audi	A6 2.7 Turbo Quattro 4dr	Sedan	Europe	All	2.7	6	250	25
Audi	A6 4.2 Quattro 4dr	Sedan	Europe	All	4.2	8	300	24