Project 3

ACADGILD

Project – Create a Multiple Linear Regression Model for General Motors (GM) Data set

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2. Objective

Data collected for several hundred used General Motors (GM) cars allows us to develop a multivariate regression model to determine car values based on a variety of characteristics such as mileage, make, model, cruise control, and so on.

3. Prerequisites

4. Associated Data Files

5. Problem Statement

Develop a Multivariate Regression Model for the data collected for several hundred used General Motors (GM) car values based on a variety of characteristics such as:

- Price: suggested retail price for the used GM car
- Mileage: number of miles the car has been driven
- Make: manufacturer of the car such as Cadillac, Pontiac, and Chevrolet
- Cylinder: number of cylinders in the engine
- Liter: a more specific measure of engine size
- Cruise: indicator variable representing whether the car has cruise control (1 = cruise)
- Sound: indicator variable representing whether the car has upgraded speakers (1 = upgraded)
- Leather: indicator variable representing whether the car has leather seats (1 = leather)

6. Expected Output

7. Approximate Time to Complete Task