



4.2 Linear Regression Coefficients (Sorted by |coef|)

Feature	Coefficient
transmission	474,963.95
seller_type	-207,162.69
fuel	53,182.15
seats	-35,009.73
age	-34,086.43
max_power	12,037.14
mileage	9,953.58
owner	-685.25
torque	183.93
engine	91.99
km_driven	-1.46

4.3 Interpretation

- **Transmission** type has the largest positive effect, suggesting that automatic/manual differences significantly impact prices.
- **Seller type** being "Dealer" or "Individual" influences prices strongly (negative coefficient for some categories).
- **Age** and **seats** have a negative impact, as older or higher-seating cars tend to be cheaper.

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Project Book

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Submitted By

Name: MD. Golam Kibria

Roll No: 25

Group No:

Batch No: 69

Submitted To

Name of the Teacher:

Aminur Rahman

Designation: Lecturer

Signature:.....