

# **CAP-DS-05|SQL**

## **Mini Project L1**

By-Harshita Singh  
cds05\_109

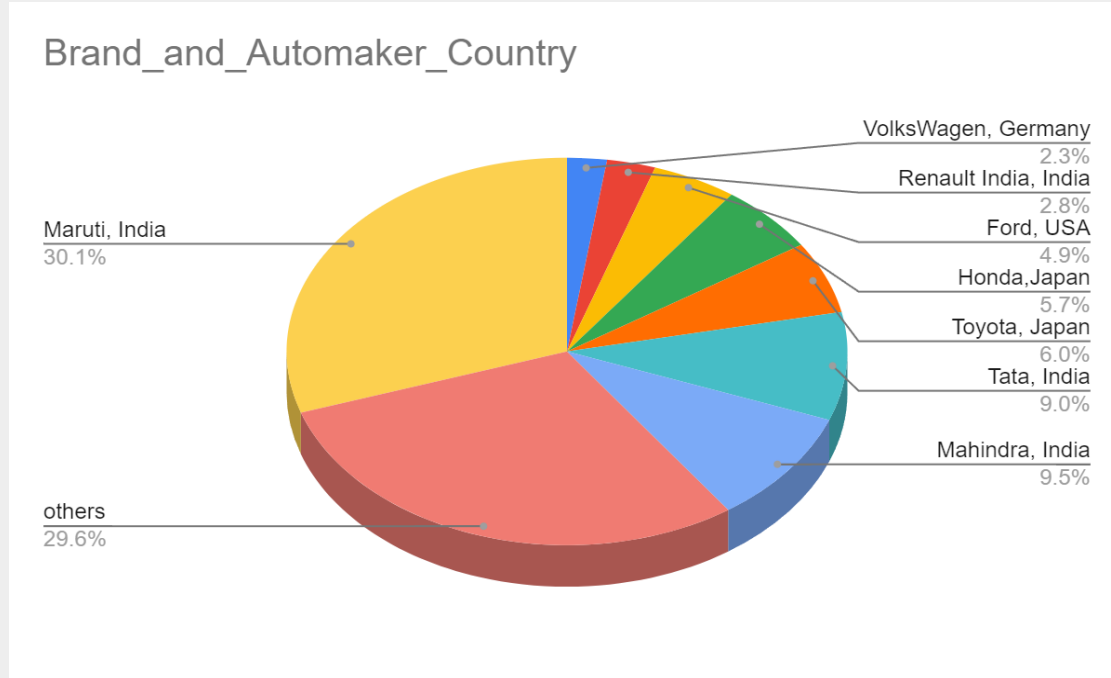


# Introduction

Here are some key columns:

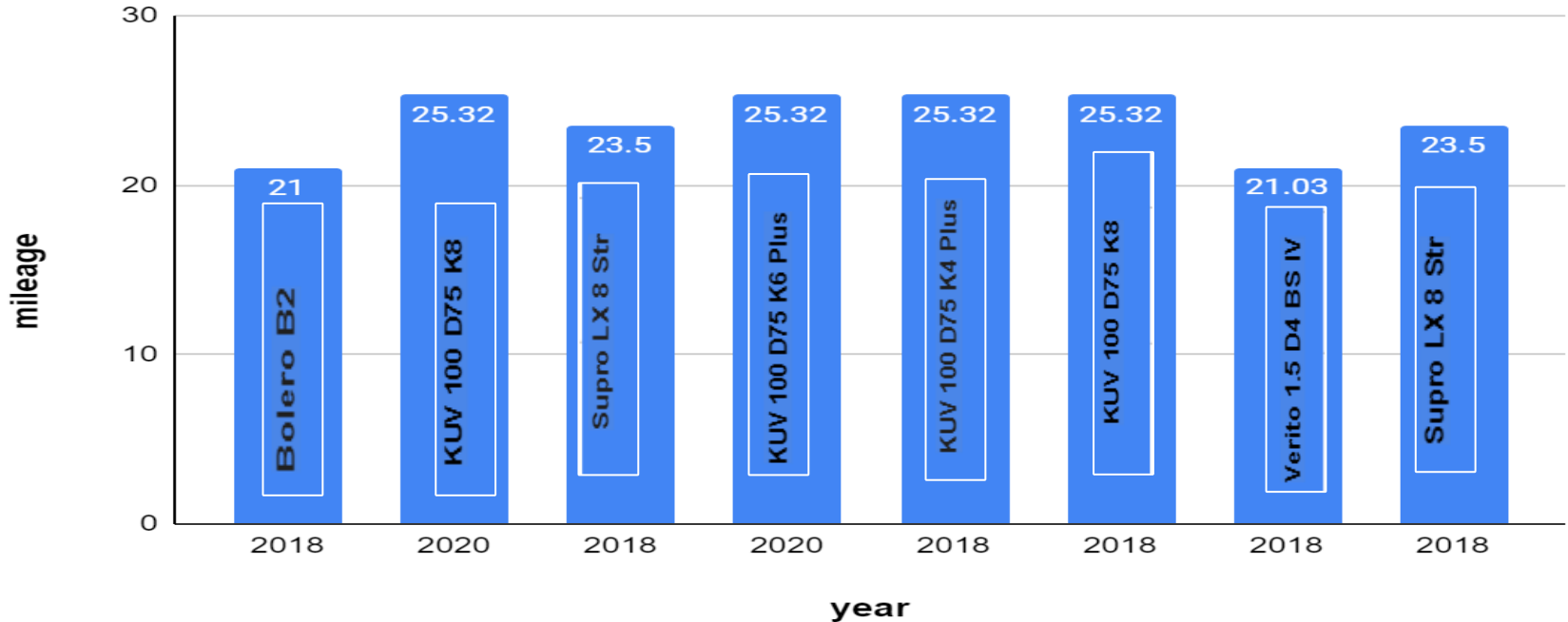
- **name:** Car's Name
- **year:** Car's manufacturing year.
- **selling\_price:** Price at which the car was sold.
- **km\_driven:** Total kilometres the car has been driven.
- **fuel:** Type of fuel the car uses- Petrol, LPG, Diesel, CNG.
- **seller\_type:** Seller type - individual, dealer, or Trustmark dealer.
- **transmission:** Gear-shifting method - manual or automatic.
- **owner:** Number of previous owners.
- **mileage:** Kilometres per litre the car can travel.
- **engine\_CC:** Engine size in cubic centimetres.
- **max\_power:** Maximum power output of the engine.
- **seats:** Number of seating positions in the car.

# Percentage Of Cars & Their Automaker Country



# Mahindra Cars, their Manufacturing Year & Mileage

Year:2018 & Beyond, Mileage:20+

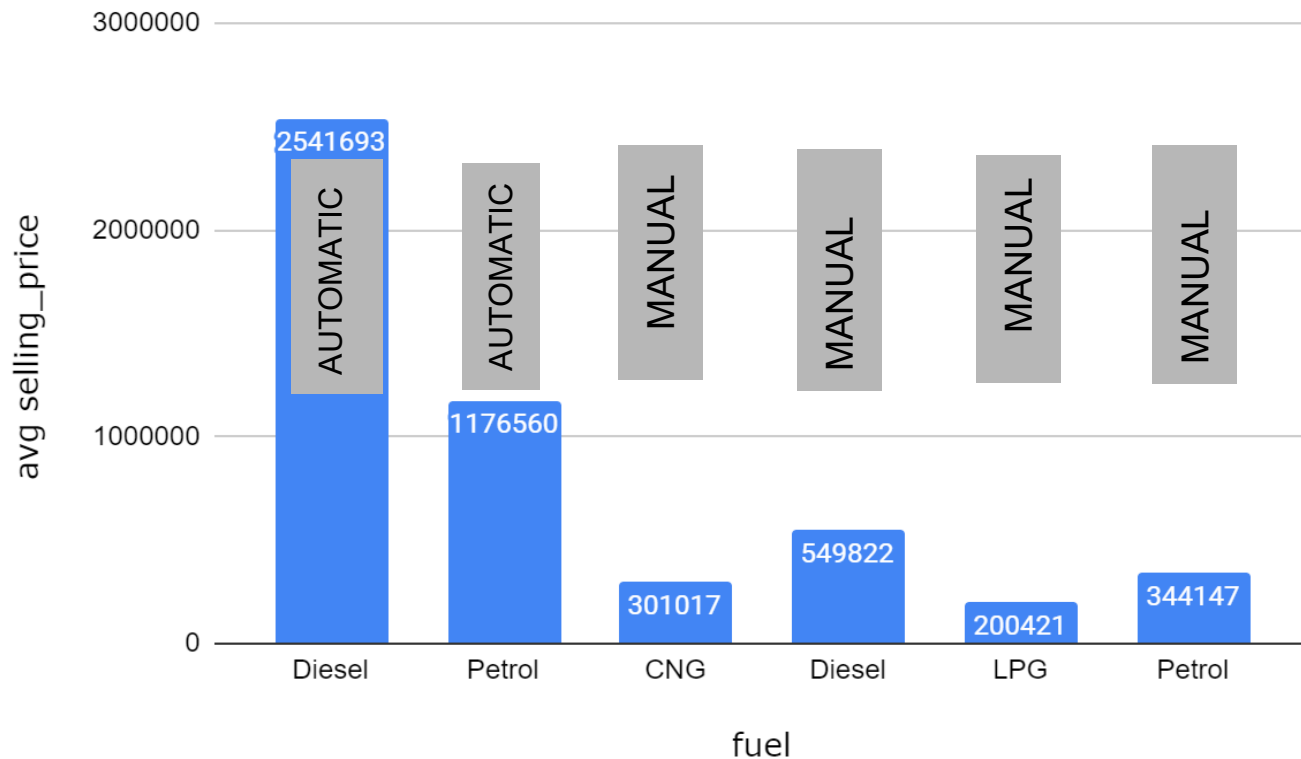


## Percentage of Cars Sold by Seller Type

seller_type	Percentage_sold	No. Of Cars sold
Individual	83.2431	6766
Dealer	13.8533	1126
Trustmark Dealer	2.9035	236

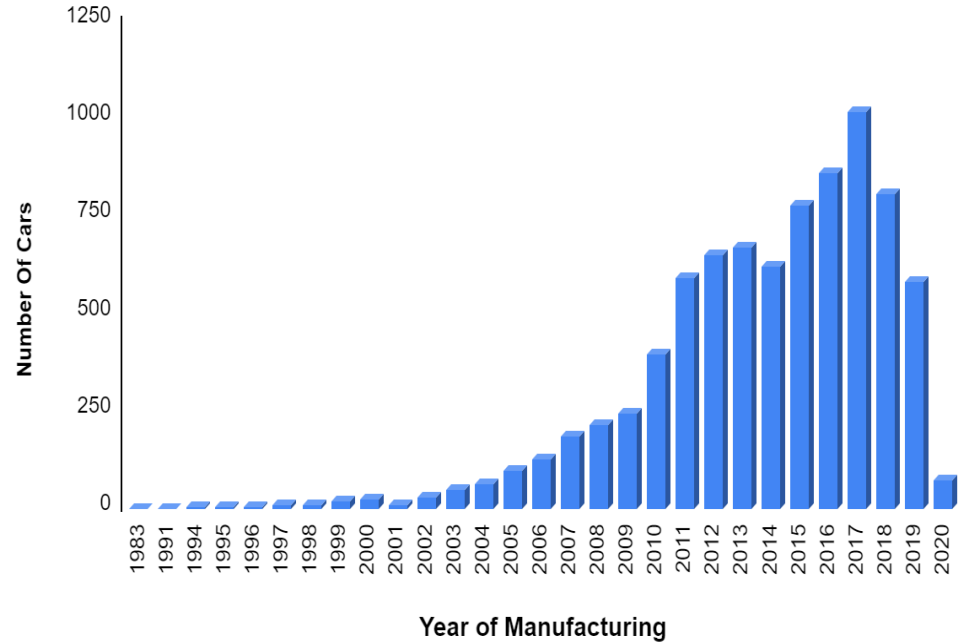
# Average Selling Price Analysis

*Average Selling Price by Fuel and Transmission*



# Cars Manufactured Per Year

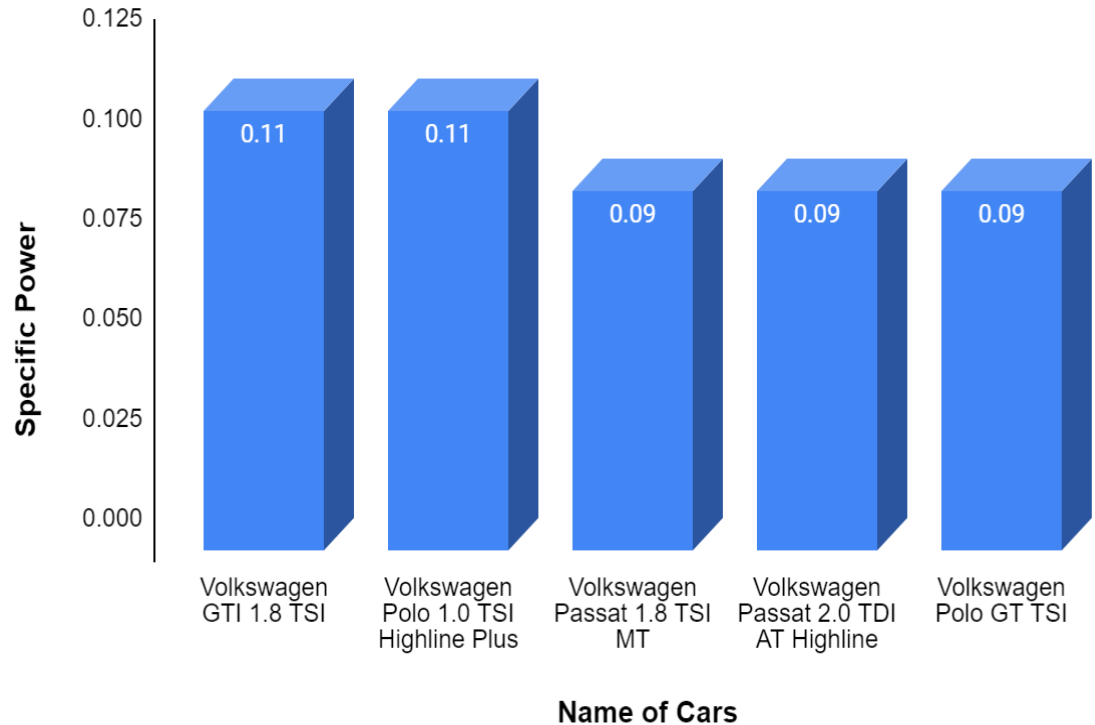
Year	No. Of Cars	Year	No. Of Cars
1983	1	2006	124
1991	1	2007	183
1994	3	2008	214
1995	2	2009	246
1996	3	2010	394
1997	11	2011	592
1998	10	2012	651
1999	18	2013	670
2000	22	2014	621
2001	10	2015	776
2002	27	2016	859
2003	49	2017	1018
2004	62	2018	807
2005	97	2019	583
		2020	74



# Volkswagen Specific Power Analysis

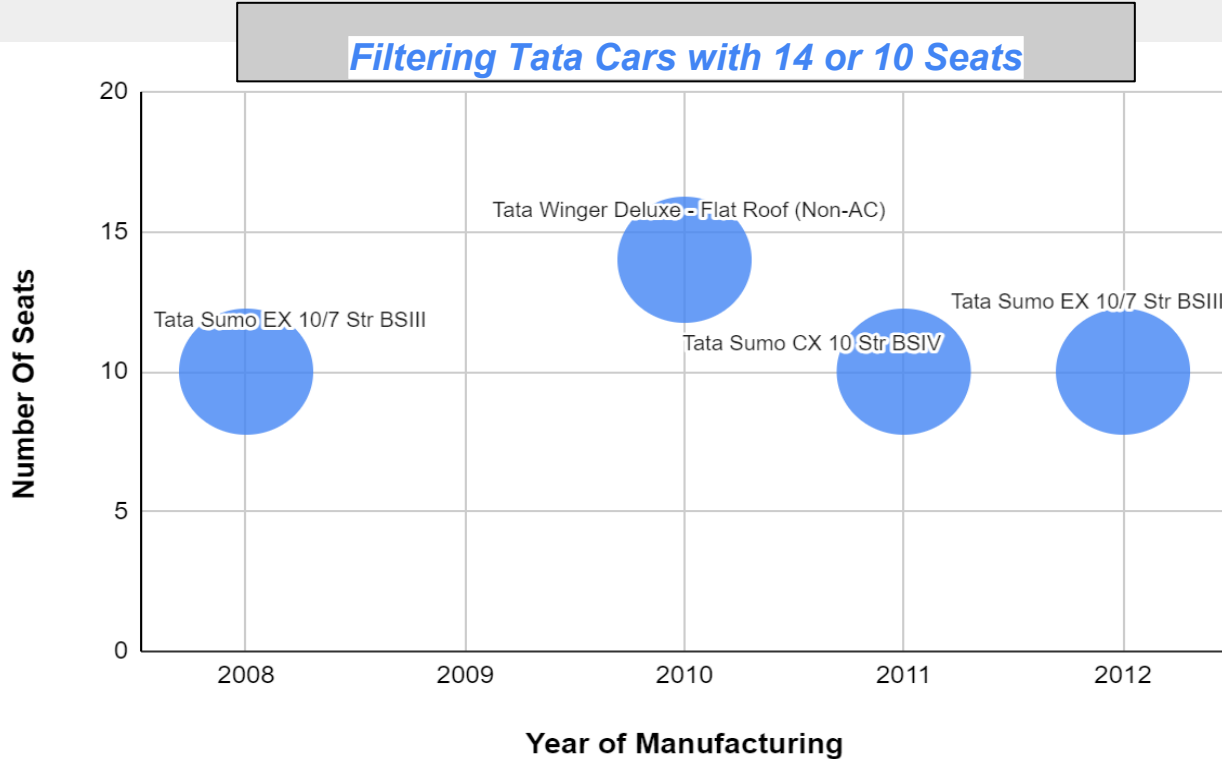
## Top 5 Cars

$$\text{Specific Power} = \frac{\text{Power}}{\text{Engine Displacement}}$$



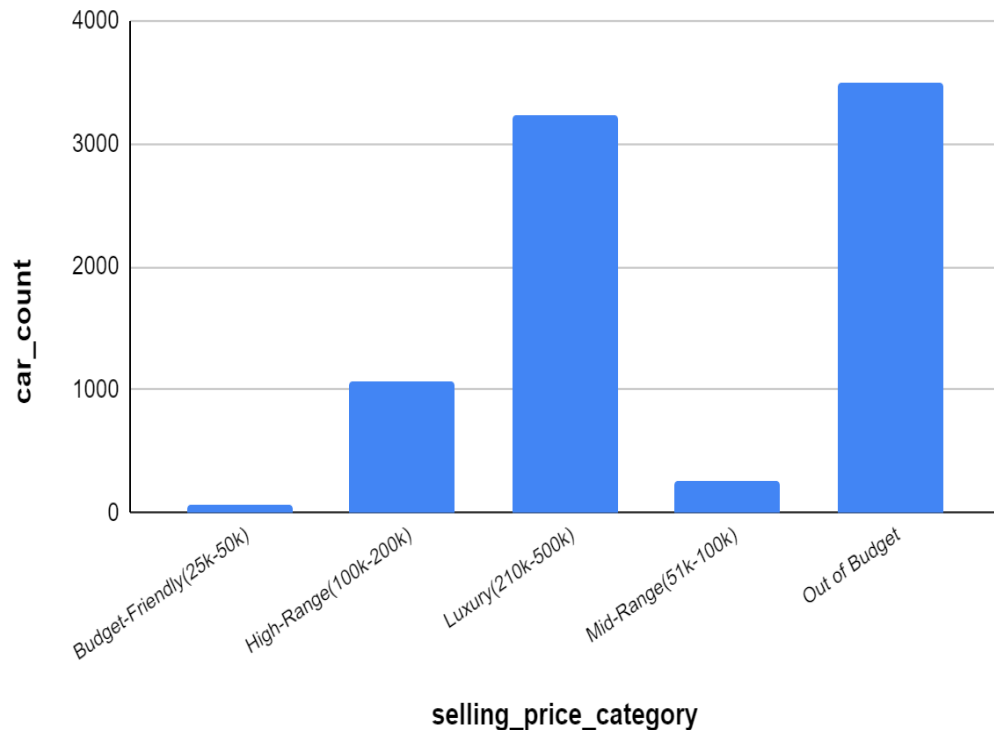


# Tata Car Seat Selection



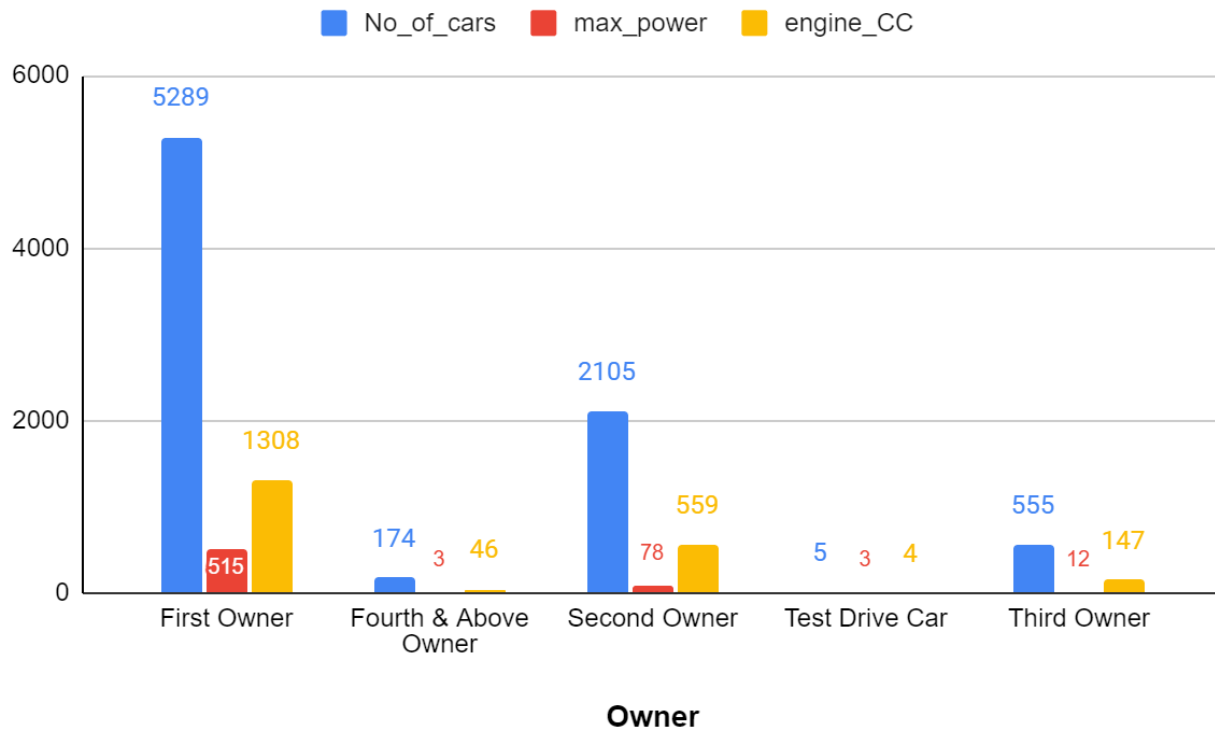
# Selling Price Categories and Average Mileage Analysis

selling_price_category	car_count	avg_mileage
Budget-Friendly(25k-50k)	71	17
High-Range(100k-200k)	1062	18
Luxury(210k-500k)	3231	20
Mid-Range(51k-100k)	257	18
Out of Budget	3507	19



# Distribution of Cars by Owners and Power/Engine Categories

Counting Cars with Max Power  $\geq 150$  and Engine CC  $\geq 1500$  by Owner



## **Conclusion**

- Maruti's Dominance
- Seller Dynamics: Individual sellers leading the market.
- Pricing Insights: LPG-manual pair.
- Manufacturing year analysis: 2017.
- Tata's Diversity
- Market leans towards the 'Out of Budget' segment.
- Ownership Dynamics: First owners dominate.



**THANK YOU!**