CAR DATASET

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We have a dataset in this project that’s cars data and in this presentation we explain and understand the all data like car’s selling price, mileage, what’s the engine [CC] used and so many things.

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Significance of the analysis

→ Analysis provides crucial insights by distilling complex data into actionable information, guiding decision-making processes, and unveiling patterns that drive outcomes. Its significance lies in empowering informed choices, enhancing efficiency, and fostering innovation across diverse domains, from business strategies to scientific discoveries and societal progress.

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Key Columns

Name : The name or model of the car.

Year : The manufacturing year of the

Selling Price : The price at which the car was sold.

Km Driven : The number of kilometers driven by the car.

Fuel : The type of fuel the car uses.

Seller Type : The type of seller (individual, dealer, or Trustmark dealer).

Transmission : The type of transmission (manual or automati

Owner : The number of previous owners of the car.

Mileage : The mileage of the car in kilometers per liter.

Engine [CC] : The engine displacement in cubic centimeters (

Max Power : The maximum power output of the car's engine.

Seats : The number of seats in the car.

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Explain the SQL queries and methods

1. Reading the whole table of the Dataset
2. Counting the total number cars present in the dataset
3. Show the all tyeps of fuel used in this dataset
4. Counting the total number of Petrol Fuel use
5. Read the maximum selling price from the dataset

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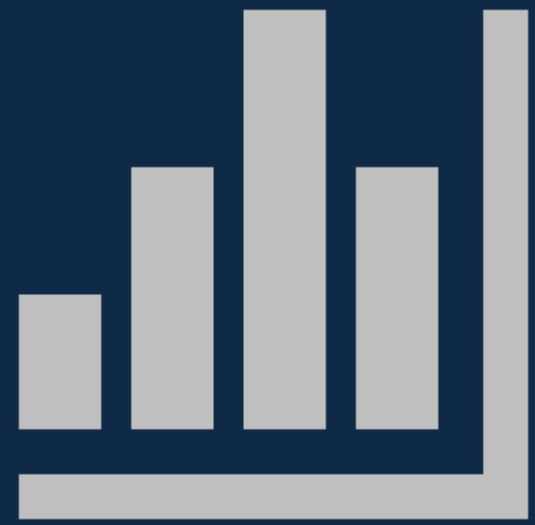
Explain the SQL queries and methods

6. Read the minimum selling price from the dataset
7. Read the Average selling price in this dataset
8. Calculate the average milage
9. What is the maximum seats of the car
10. Read 2 most car available in this dataset



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1. Reading the whole table of the Dataset

```
SELECT * FROM cars24;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

name	year	selling_price	km_driven	fuel	seller_type	transmission	owner	mileage	engine [CC]	max_power	seats
Hyundai i20 Asta 1.2	2007	550000	2360457	Petrol	Individual	Manual	Second Owner	18.6	1197	81.83	5
Maruti Wagon R LXI Minor	2010	194000	577414	Petrol	Individual	Manual	Second Owner	18.9	1061	67	5
Maruti Wagon R VXI BS IV	2011	229999	500000	Petrol	Individual	Manual	Second Owner	18.9	998	67.1	5
Maruti Wagon R LXI BS IV	2012	220000	360003	Petrol	Individual	Manual	Second Owner	18.9	998	67.1	5
Hyundai Sonata 2.4 GDi MT	2012	550000	330000	Petrol	Individual	Manual	Second Owner	13.44	2359	198.25	5
Hyundai Sonata 2.4 GDi MT	2012	500000	330000	Petrol	Individual	Manual	Second Owner	13.44	2359	198.25	5
Maruti Ertiga BSIV VXI	2017	700000	227000	Petrol	Individual	Manual	First Owner	17.5	1373	91.1	7
Hyundai i20 1.2 Asta	2011	220000	220000	Petrol	Individual	Manual	Fourth & Above Owner	17	1197	80	5
Maruti 800 EX	2004	70000	220000	Petrol	Individual	Manual	Second Owner	16.1	796	37	4
Honda Civic 1.8 S AT	2007	175000	218463	Petrol	Individual	Automatic	First Owner	12.9	1799	130	5
Hyundai Verna XXi ABS (Pe...	2009	340000	214000	Petrol	Individual	Manual	Second Owner	13.9	1599	103.2	5
Renault KWID RXT	2015	210000	210000	Petrol	Individual	Manual	Second Owner	25.17	799	53.3	5
Maruti Alto LX	2000	108000	206000	Petrol	Individual	Manual	Fourth & Above Owner	19.7	796	46.3	5
Hyundai i10 Magna 1.1L	2010	187000	200400	Petrol	Individual	Manual	Second Owner	19.81	1086	68.05	5
Ford Fiesta 1.4 Duratec ZXI	2008	136000	200185	Petrol	Individual	Manual	First Owner	16.6	1388	68	5
Maruti Swift Dzire 1.2 Vxi ...	2010	210000	200000	Petrol	Individual	Manual	First Owner	17.5	1197	85.8	5
Maruti Zen Estilo VXI BSIV	2010	160000	200000	Petrol	Individual	Manual	First Owner	19	998	67.1	5
Honda CR-V 2.0L 2WD AT	2006	125000	200000	Petrol	Individual	Automatic	Third Owner	13.1	1997	141.1	5
Maruti Wagon R LX	2006	65000	198000	Petrol	Individual	Manual	Second Owner	18.9	998	67.1	5
Maruti Alto LXi BSIII	2008	100000	195000	Petrol	Individual	Manual	Second Owner	19.7	796	46.3	5
Hyundai Santro Xing GLS	2008	120000	191000	Petrol	Individual	Manual	First Owner	17.92	1086	62.1	5
Hyundai Santro AT	2005	120000	190000	Petrol	Individual	Automatic	Second Owner	19.41	1458	91.5	5
Maruti Wagon R LXI	2005	70000	188000	Petrol	Individual	Manual	Fourth & Above Owner	18.9	998	67.1	5
Maruti Gypsy King Soft Top	1997	300000	186388	Petrol	Individual	Manual	Second Owner	14.8	1298	80	8
Hyundai Santro LE	2002	35000	184000	Petrol	Individual	Manual	Second Owner	19.41	1458	91.5	5
Maruti Zen Estilo LXI BS IV	2010	100000	180000	Petrol	Individual	Manual	Second Owner	19	998	67.1	5

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2. Counting the total number cars present in the dataset

8,128 Data

Total this number of data we have

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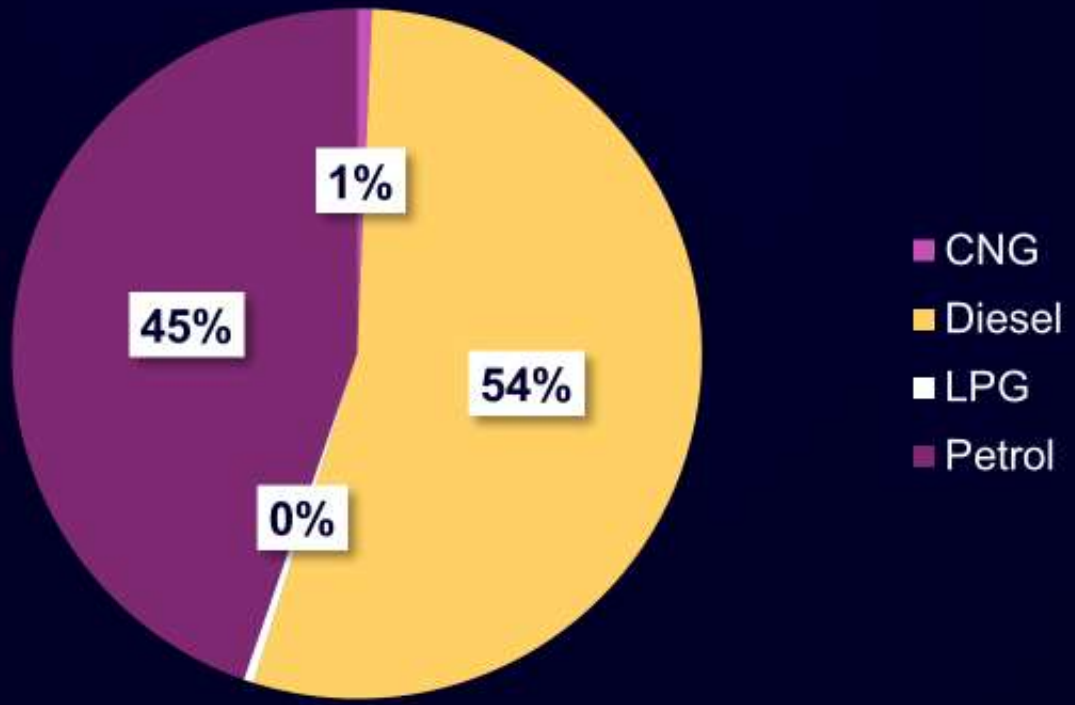
All Types of Fuels

4402
Diesel

3631
Petrol

57
CNG

38
LPG



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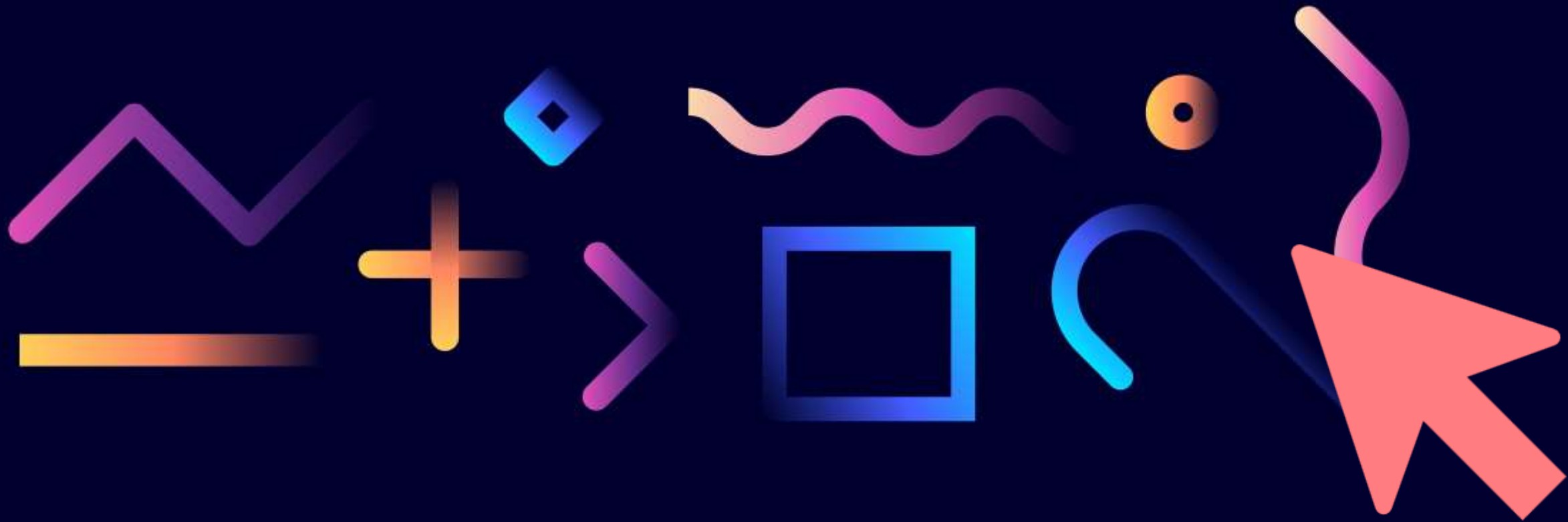
Maximum Selling Price

10,000,000



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Minimum Selling Price

29999

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Average Selling Price

638271.8077

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Average Milage

19

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Maximum Seats of the Car

14

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Conclusion

Reading the whole table of the Dataset

Counting the total number cars present in the dataset

Show the all tyeps of fuel used in this dataset

Read the maximum selling price from the dataset

Read the minimum selling price from the dataset

Read the Average selling price in this dataset

Calculate the average milage

What is the maximum seats of the car

Conclusion

Challenges and Lessons learned

From in the project I learn a lots of new things and we got new experiences. When I do it I face little bit Challenge and I solved it. Challenges like quarrys and presenting the data.

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Share Potential Future Directions

If this dataset we can add some more things and promote something which is like Automation Vehicles, Safety Analysis, Energy Efficiency Optimization.


Thank You