REPORT

Welcome to this comprehensive report, where we explore and analyse the details of cars with database ‘car_dekho’. This report aims to provide a detailed overview and insights into the given dataset. Through this analysis and interpretation, we have uncovered valuable findings.

This report focuses on the analysis of the car_table, which contains a vast array of information about various cars, including their features, specifications, and characteristics.

Using SQL queries, we have extracted and analyzed key data points from the car_table to gain a deeper understanding of the dataset. The queries analyzed include:

1. Most Expensive Car
2. Most cheapest Car
3.Count of Cars with 4 Seats
4.Most driven car
5.Shortest driven car
6.High Mileage car
7.Transmission type and fuel type
8.High engine power

DATA ANALYSIS

1. **MOST EXPENSIVE CAR:**

query== select* from car_table order by selling_price desc limit 1;

The most expensive car from the car_dekho data base is Volvo and it is '2017' model and its price range starts from 10000000

2.MOST CHEAPEST CAR

query==select* from car_table order by selling_price limit 2;

The most chepest car from the car_dekho data base is The most expensive car from the car_dekho data base is Maruti 800 AC nad it is'1997 model and price range from '29999.

3..**Count of Cars with 4 Seats:**

query==select counT(*) from Car_table as count_seat where seats = 4;

There are 381 car with 4 seats

4.**Most driven car**:

Hyundai i20 Asta is most driven car in this data_base and it is 2007 model and petrol and it have an individual owner its a second owner car

query==select * from Car_table order by km_driven desc limit 1;

5.**Shorest driven car**:

query==select * from Car_table order by km_driven limit 1;

'**Maruti Eeco 5 STR** is a 2011 model. And its km_driven is '1'. its is a CNG type and Individual owner and Manual type.

6 .**HIGH MILEAGE CAR**;

Volvo 2017 model have the high mileage and due to the high mileage it have the higher price

as the mileage increases price also increases.

query==select * from Car_table order by mileage desc limit 1;

7.TRASMISSION TYPE AND FUEL TYPE;

It shows that relationship between transmission and fuel type we can see that the most used comination is manuel transmission with petrol as fuel.

'Manual', 'Petrol', '8432'-- Highest combination

'Automatic', 'Electric', '3'--Lowest combination is automatic with electric it only consists 3.

8.HIGH ENGINE POWER;

query==select * from Car_table order by engine desc limit 1;

'Tata Tata Tiago 1.05 Revotorq XZ' model 2016 price 380000 ,Diesel' ,'Manual',with engine '1047 with have the highest engine power . As the as the model increase and depends of the

fuel type the engine type changes.

9.**Averge max_power car with petrol;**

query==select avg(max_power) from cars where fuel=’petrol’

this is the avg max power of the petrol car '77.91827934371057'

10. **Year-wise Price Trend:**

- query: select year, AVG(Selling_Price) AS Avg_Selling_Price FROM car_table GROUP BY Year;

the relationship between year and selling price to determine if newer cars are sold at higher prices.

CONCLUSION

The data's has been analysed using the help of SQL we have cleaned the raw data's and turned the data’s into an actionable insists helping the customers to make decisions based on the data this improves the customer satisfaction of In this data we have explored data's from the

database CAR_DEKHO