

# CLASSIC MODELS

## PROJECT ANALYSIS

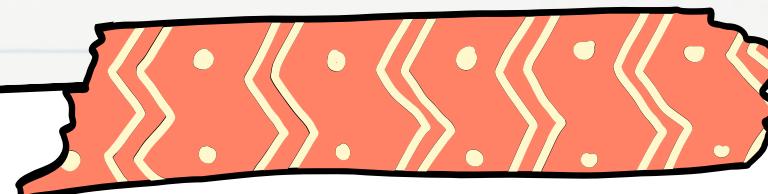
PRESENTED BY:- PUNEET KUMAR SHARMA



# AGENDA

- Introduction
- Objective
- Data Extracting
- Data Analysis
- Conclusions





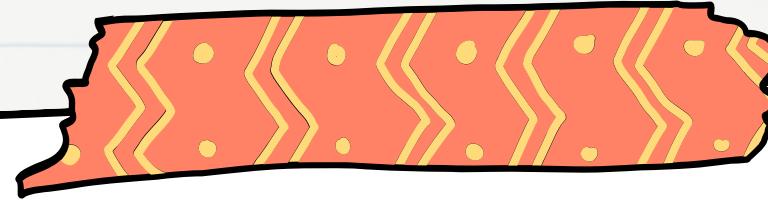
# INTRODUCTION

Welcome to our project, where we delve into the fascinating world of classic modals through Kaggle's comprehensive dataset. In this endeavor, we leverage

the power of MySQL to extract and analyze valuable insights from this rich repository of information. The Classic Modals Dataset on Kaggle is a treasure trove for automotive enthusiasts, providing details on various iconic vehicles.

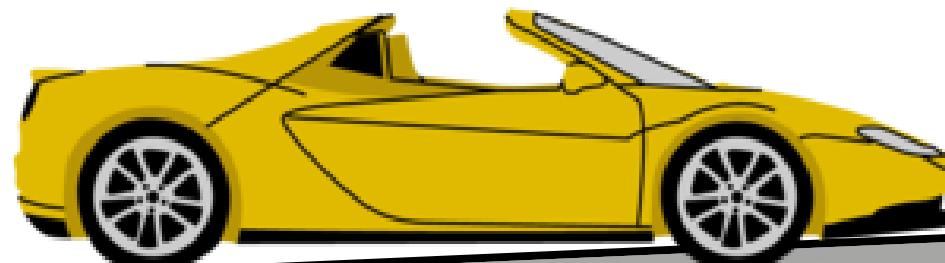
Our aim is to unlock the potential within this dataset, unraveling patterns, trends, and correlations to gain a deeper understanding of the classic modals landscape





# OBJECTIVE OF ANALYSIS

Our objective is to unravel the stories behind these classic modals, understand their characteristics, and gain insights into the factors that contribute to their timeless appeal. Through meticulous data extraction and analysis, we aim to answer key questions about the classic car industry, including popularity trends, price variations, and the impact of different features on market demand.



# DATABASC

The screenshot shows a database management interface with a toolbar at the top containing various icons for operations like search, refresh, and export. A dropdown menu labeled "Limit to 1000 rows" is open. Below the toolbar, a SQL query is displayed: "SELECT \* FROM classicmodels.customers;". The main area is a large, empty white space, likely representing the results grid.

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	lastUpdate
103	Atelier graphique	Schmitt	Carine	40.32.2555	54, rue Royale	NULL	Nantes	NULL	44000	France	1370	2008-05-09 12:45:45
112	Signal Gift Stores	King	Jean	7025551838	8489 Strong St.	NULL	Las Vegas	NV	83030	USA	1166	2008-05-09 12:45:45
114	Australian Collectors, Co.	Ferguson	Peter	03 9520 4555	636 St Kilda Road	Level 3	Melbourne	Victoria	3004	Australia	1611	2008-05-09 12:45:45
119	La Rochelle Gifts	Labrune	Janine	40.67.8555	67, rue des Cinquante Otages	NULL	Nantes	NULL	44000	France	1370	2008-05-09 12:45:45
121	Baane Mini Imports	Bergulfsen	Jonas	07-98 9555	Erling Skakkes gate 78	NULL	Stavern	NULL	4110	Norway	1504	2008-05-09 12:45:45
124	Mini Gifts Distributors Ltd.	Nelson	Susan	4155551450	5677 Strong St.	NULL	San Rafael	CA	97562	USA	1165	2008-05-09 12:45:45
125	Havel & Zbyszek Co	Piestrzeniewicz	Zbyszek	(26) 642-7555	ul. Filtrowa 68	NULL	Warszawa	NULL	01-012	Poland	NULL	2008-05-09 12:45:45
128	Blauer See Auto, Co.	Keitel	Roland	+49 69 66 90 2555	Lyonerstr. 34	NULL	Frankfurt	NULL	60528	Germany	1504	2008-05-09 12:45:45
129	Mini Wheels Co.	Murphy	Julie	6505555787	5557 North Pendale Street	NULL	San Francisco	CA	94217	USA	1165	2008-05-09 12:45:45
131	Land of Toys Inc.	Lee	Kwai	2125557818	897 Long Airport Avenue	NULL	NYC	NY	10022	USA	1323	2008-05-09 12:45:45
141	Euro+ Shopping Channel	Freyre	Diego	(91) 555 94 44	C/ Moralzarjal, 86	NULL	Madrid	NULL	28034	Spain	1370	2008-05-09 12:45:45
144	Volvo Model Replicas, Co	Berglund	Christina	0921-12 3555	Berguvsvägen 8	NULL	Luleå	NULL	S-958 22	Sweden	1504	2008-05-09 12:45:45

# Q1. FIND THE TOP NUMBER OF CUSTOMERS IN THE DATABASE.

-- Q1.Find the total number of customers in the database.

```
select count(*) as total_customer  
from customers;
```



	total_customer
▶	122

## Q2. FIND THE AVERAGE CREDIT LIMIT OF CUSTOMERS IN EACH COUNTRY.

-- Q2.Find the average credit limit of customers in each country.

```
select country, avg(creditLimit)  
from customers  
group by country;
```



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

	country	avg(creditLimit)
▶	France	77691.666667
	USA	78102.777778
	Australia	86060.000000
	Norway	91200.000000
	Poland	0.000000
	Germany	19776.923077
	Spain	73971.428571
	Sweden	84750.000000
	Denmark	102100.000000
	Singapore	67233.333333
	Portugal	0.000000
	Japan	87800.000000
	Finland	95266.666667

### Q3. FIND THE PRODUCT LINES WITH THE HIGHEST AND LOWEST AVERAGE BUY PRICE.

-- Q3.Find the product lines with the highest and lowest average buy price.

```
select productLine, avg(buyPrice)
from products
group by productLine
order by avg(buyPrice) desc
limit 1;
```

	productLine	avg(buyPrice)
▶	Classic Cars	64.446316

```
select productLine, avg(buyPrice)
from products
group by productLine
order by avg(buyPrice)
limit 1;
```

	productLine	avg(buyPrice)
▶	Trains	43.923333

#### Q4. FIND THE TOP 10 CUSTOMERS OF COMPANY WITH THE HIGHEST CREDIT LIMIT.

-- Q4.Find the top 10 customer of company with the Highest credit limits.

```
select customerName, creditLimit  
from customers  
order by creditLimit desc  
limit 10;
```



Result Grid | Filter Rows: | Export:

	customerName	creditLimit
▶	Euro + Shopping Channel	227600.00
	Mini Gifts Distributors Ltd.	210500.00
	Vida Sport, Ltd	141300.00
	Muscle Machine Inc	138500.00
	AV Stores, Co.	136800.00
	Saveley & Henriot, Co.	123900.00
	Marta's Replicas Co.	123700.00
	L'ordine Souveniers	121400.00
	Heintze Collectables	120800.00
	Toms Spezialitäten, Ltd	120400.00

# Q5. FIND THE TOP 10 EMPLOYEES OF COMPANY WITH THE HIGHEST CUSTOMERS.

-- Q5.Find the top 10 employees of company with the Highest customers.

```
select employees.employeeNumber, employees.firstName, count(customers.customerNumber)
from employees inner join customers
on employees.employeeNumber = customers.salesRepEmployeeNumber
group by employees.employeeNumber, employees.firstName
order by count(customers.customerNumber) desc
limit 10;
```



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

	employeeNumber	firstName	count(customers.customerNumber)
▶	1401	Pamela	10
	1504	Barry	9
	1323	George	8
	1501	Larry	8
	1286	Foon Yue	7
	1370	Gerard	7
	1165	Leslie	6
	1166	Leslie	6
	1188	Julie	6
	1216	Steve	6



## Q6. DISTRIBUTION OF EMPLOYEES AND CUSTOMERS ON THE BASIS OF CITY AND COUNTRY.

-- Q6.Distribution of employees and customers on the basis of city and country.

```
select customers.country, customers.city,  
count(customers.customerNumber), count(customers.salesRepEmployeeNumber)  
from customers  
group by customers.country, customers.city  
order by count(customers.salesRepEmployeeNumber) desc;
```

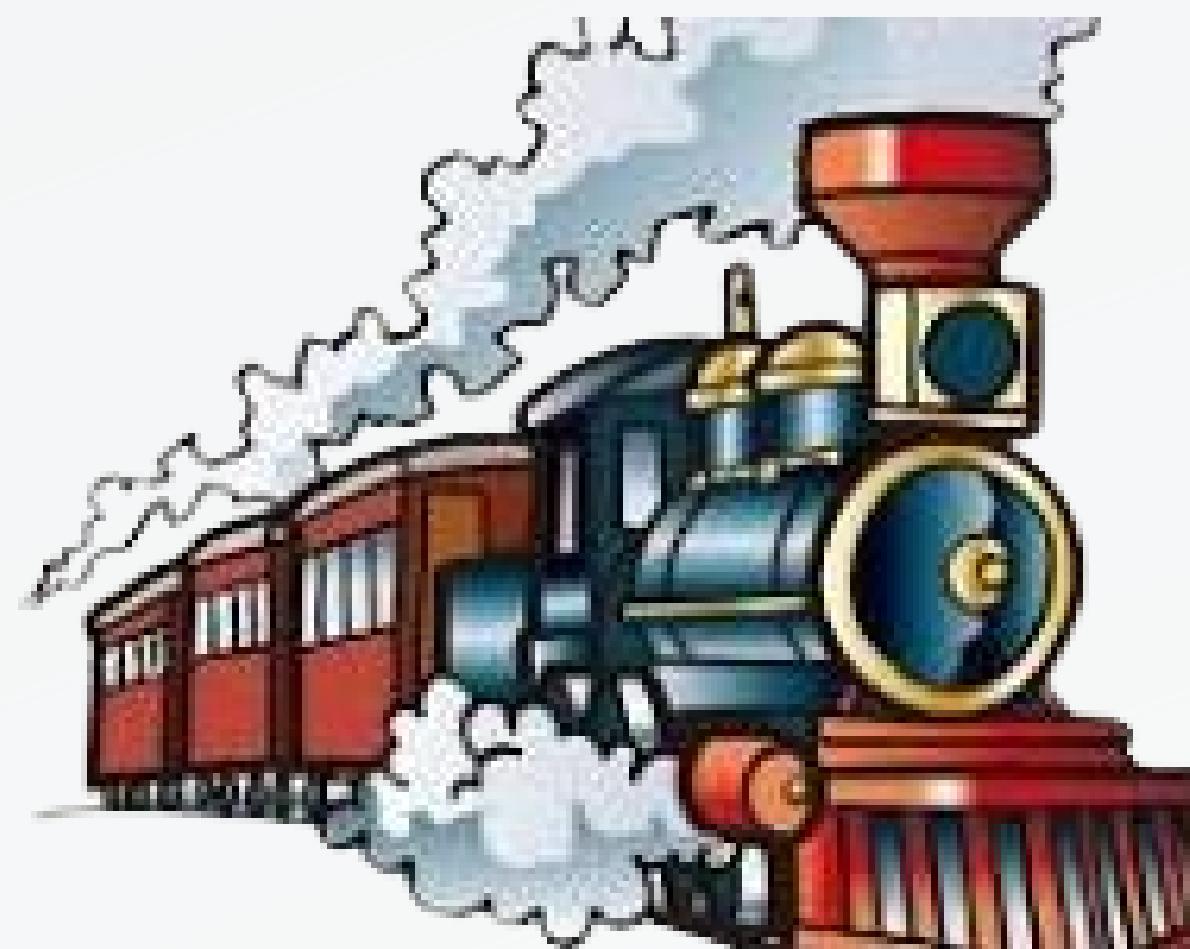


	country	city	count(customers.customerNumber)	count(customers.salesRepEmployeeNumber)
▶	USA	NYC	5	5
	Spain	Madrid	5	3
	France	Paris	3	3
	USA	Brickhaven	3	3
	New Zealand	Auckland	3	3
	France	Nantes	2	2
	USA	New Bedford	2	2
	USA	Glendale	2	2
	USA	New Haven	2	2
	USA	Philadelphia	2	2
	USA	Boston	2	2
	UK	London	2	2
	USA	San Francisco	2	2

# Q7. FIND THE AVERAGE ORDER QUANTITY FOR EACH PRODUCT LINE .

-- Q7.Find the average order quantity for each product line.

```
select products.productLine, avg(orderdetails.quantityOrdered)
from orderdetails inner join products
on orderdetails.productCode = products.productCode
group by products.productLine;
```



Result Grid | Filter Rows: \_\_\_\_\_ | Export:

	productLine	avg(orderdetails.quantityOrdered)
▶	Vintage Cars	34.9056
	Classic Cars	35.2297
	Trucks and Buses	35.7175
	Trains	34.7901
	Ships	34.8245
	Planes	35.3333
	Motorcycles	35.5933

# Q8. FIND THE TOP 10 PRODUCTS OF COMPANY.

-- Q8.Find the top 10 products of company.

```
select productlines.productLine, products.productName, count(orderdetails.quantityOrdered)
from productlines inner join products on
productlines.productLine = products.productLine
inner join orderdetails
on orderdetails.productCode = products.productCode
group by productlines.productLine, products.productName
order by count(orderdetails.quantityOrdered) desc
limit 10;
```



	productLine	productName	count(orderdetails.quantityOrdered)
▶	Classic Cars	1992 Ferrari 360 Spider red	53
	Classic Cars	1952 Alpine Renault 1300	28
	Classic Cars	1972 Alfa Romeo GTA	28
	Classic Cars	1962 Lancia A Delta 16V	28
	Classic Cars	1958 Chevy Corvette Limited Edition	28
	Vintage Cars	1930 Buick Marquette Phaeton	28
	Motorcycles	1996 Moto Guzzi 1100i	28
	Classic Cars	1970 Dodge Coronet	28
	Motorcycles	1969 Harley Davidson Ultimate Chopper	28
	Classic Cars	1982 Camaro Z28	28

# Q9. FIND THE BOTTOM 10 PRODUCTS OF COMPANY .

-- Q9.Find the Bottom 10 products of company.

```
select productlines.productLine, products.productName, count(orderdetails.quantityOrdered)
from productlines inner join products on
productlines.productLine = products.productLine
inner join orderdetails
on orderdetails.productCode = products.productCode
group by productlines.productLine, products.productName
order by count(orderdetails.quantityOrdered)
limit 10;
```



	productLine	productName	count(orderdetails.quantityOrdered)
▶	Classic Cars	1957 Ford Thunderbird	24
	Classic Cars	1952 Citroen-15CV	24
	Classic Cars	1969 Chevrolet Camaro Z28	25
	Classic Cars	1999 Indy 500 Monte Carlo SS	25
	Classic Cars	1965 Aston Martin DB5	25
	Classic Cars	1949 Jaguar XK 120	25
	Classic Cars	2002 Chevy Corvette	25
	Classic Cars	1970 Chevy Chevelle SS 454	25
	Classic Cars	1948 Porsche Type 356 Roadster	25
	Classic Cars	1966 Shelby Cobra 427 S/C	25

# Q10. FIND THE EMPLOYEES'S DENSITY ON THE BASIS OF OFFICE.

-- Q10.Find the Employees's Density on the basis of Office.

```
select employees.employeeNumber, employees.firstName, offices.officeCode, offices.city,  
count(employees.employeeNumber)  
over(partition by offices.city) as city_offices  
from employees inner join offices  
on employees.officeCode = offices.officeCode  
group by employees.employeeNumber, employees.firstName, offices.officeCode, offices.city  
order by city_offices desc;
```



	employeeNumber	firstName	officeCode	city	city_offices
▶	1166	Leslie	1	San Francisco	6
	1165	Leslie	1	San Francisco	6
	1143	Anthony	1	San Francisco	6
	1076	Jeff	1	San Francisco	6
	1056	Mary	1	San Francisco	6
	1002	Diane	1	San Francisco	6
	1702	Martin	4	Paris	5
	1401	Pamela	4	Paris	5
	1370	Gerard	4	Paris	5
	1337	Loui	4	Paris	5
	1102	Gerard	4	Paris	5
	1619	Tom	6	Sydney	4
	1612	Peter	6	Sydney	4

# Q11. FIND THE CUSTOMER'S DENSITY ON THE BASIS OF COUNTRY.

-- Q11.Find the Customer's Density on the basis of country.

```
select customers.country, count(customers.customerNumber)
from customers
group by customers.country
order by count(customers.customerNumber) desc;
```



	country	count(customers.customerNumber)
▶	USA	36
	Germany	13
	France	12
	Spain	7
	Australia	5
	UK	5
	Italy	4
	New Zealand	4
	Norway	3
	Singapore	3
	Finland	3
	Canada	3
	Switzerland	3

# Conclusion

- 1. Add Insightful Performance Metrics:** Revealed and analyzed key performance metrics, offering a detailed understanding of the capabilities of classic models.
- 2. Temporal Patterns Unveiled:** Identified trends and shifts over time, providing a historical perspective on the evolution of classic models.
- 3. Manufacturer-Specific Discoveries:** Explored unique features and contributions from different manufacturers, enriching our appreciation for the diversity within the classic automotive landscape.
- 4. Global Perspective:** Examined market distribution globally, adding a geographical context to our analysis and understanding the worldwide impact of classic models.
- 5. Interactive MySQL Exploration:** Leveraged the flexibility of MySQL for tailored and interactive exploration, enhancing the depth and adaptability of our analysis.

**Thank  
you!**

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