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A comprehensive guide to working with interactive
warehouse dashboard.



CAR WAREHOUSE

A COMPREHENSIVE ANALYSIS DETAILING THE QUANTITY, VARIETIES, AND STATE OF
THE MACHINERY WITHIN THE COMPANY'S WAREHOUSE.

A S U M M A R Y

This report focuses on analyzing the dataset of a car warehouse, aiming to provide an overarching perspective on the condition of the cars within the dataset. The dataset comprises nine columns, including:

1. Brand
2. Price
3. Body
4. Mileage
5. EngineV
6. Engine Type
7. Registration
8. Year
9. Model

The dataset consists of 4345 rows, with each row representing recorded data of a new car stored in our warehouse.

In our warehouse, we have cars from 7 different brands.

We categorize cars into 5 different body types. For certain cars where the body type is recorded as 'other', we need to further specify the type of these cars.

There are 3 types of fuel used for the engine in our cars. For those recorded as 'other', the company needs to accurately record the type of fuel used.

D A S H B O A R D

In order to maintain a comprehensive overview of our dataset and monitor changes in stock levels within the warehouse, it is essential to develop a dashboard. This dashboard will display all cars in our inventory, ensuring that any additions or deletions to the stock are promptly reflected. This will enable both managers and stock clerks to effectively track the status of our inventory in real time.

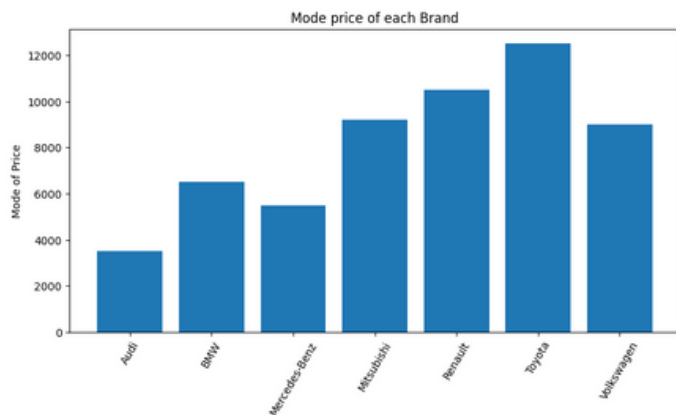
Within our dashboard, there are 5 tools available to visualize and control the dataset:

1. Brand
2. Body type
3. Engine type
4. EngineV interval
5. Year interval

At the top of the page, we feature a scatter plot to see visually selected cars. Below is a table displaying all selected rows about the chosen cars for further examination.

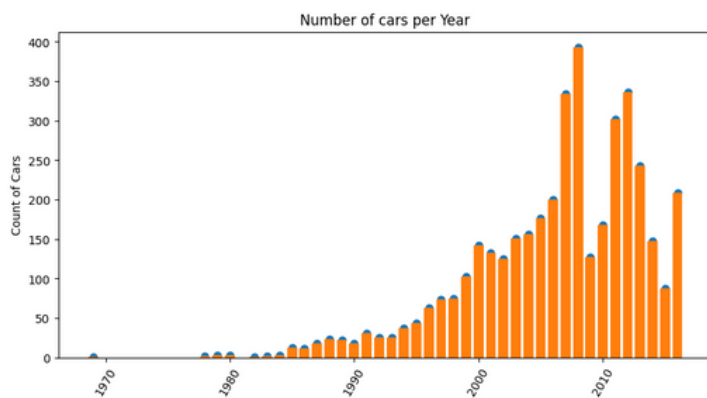
there are three pie charts to see average price per Brand - average price per body type - total cars per engine type

DESCRIBING WAREHOUSE SITUATION



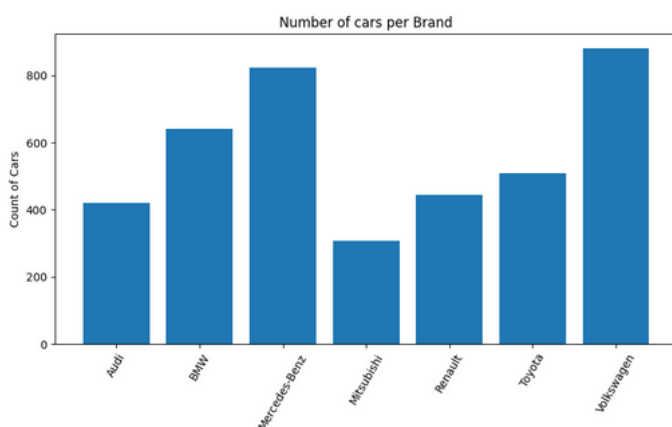
Mode Price of Each Brand:

This bar chart delineates the comparative mode prices across a selection of car manufacturers, highlighting Mercedes Benz as the marque with the preeminent mode price in the lineup.



Total Number of Cars per Year:

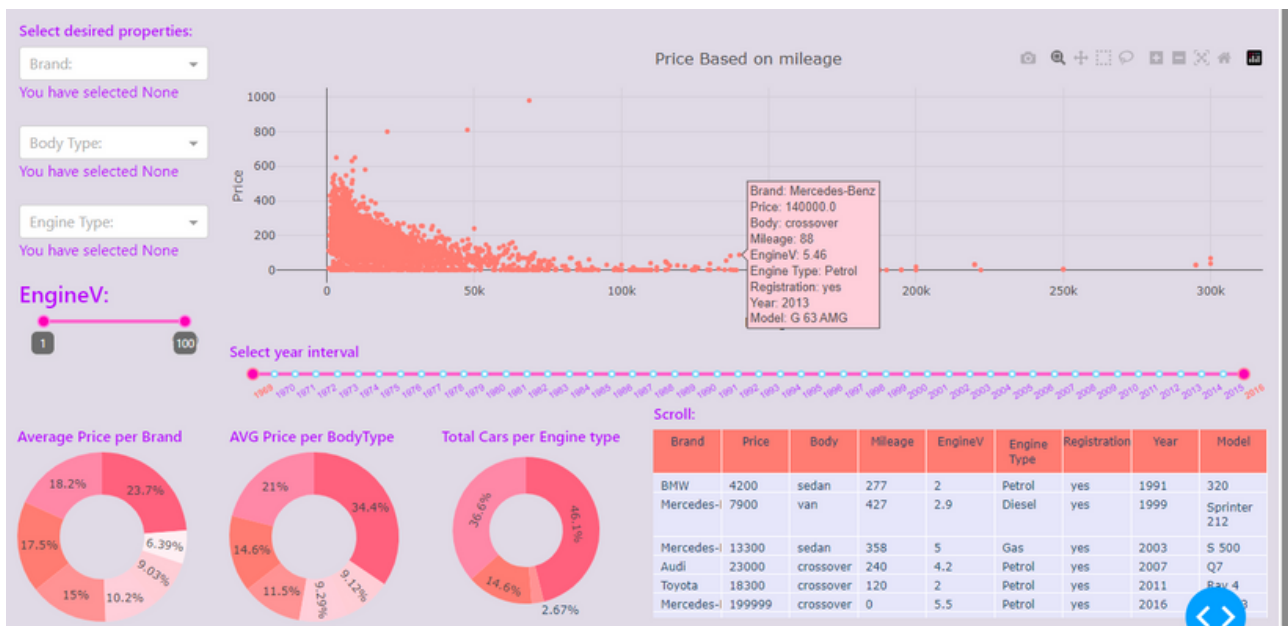
This bar chart tracks the growth in the number of cars over a period from 1970 to just after 2010. It shows a steady increase in the number of cars each year, with a particularly sharp rise around 2010. This suggests a significant expansion in car production or ownership during this time frame, with the peak around 2010 possibly indicating a year of particularly high growth in the automotive industry. The blue dots at the top of each bar represent exact counts of cars.



Number of cars per Brand:

Volkswagen boasts the largest inventory, with nearly 800 cars in the warehouse, suggesting it's the most stocked brand. Mercedes-Benz and Toyota have substantial numbers as well, indicative of a healthy stock ready for distribution. Audi, BMW, and Renault have moderate stock levels, while Nissan has the smallest inventory, which could imply lower demand or a smaller range of models stored. This chart is essential for warehouse inventory management, allowing for efficient tracking of stock levels across different car brands.

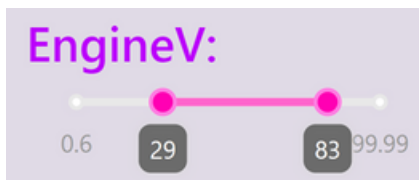
DASHBOARD INFO



You can Select Year Interval:



you can select EngineV:



You can scroll between rows of selected cars

Scroll:

Brand	Price	Body	Mileage	EngineV	Engine Type	Registration	Year	Model
BMW	9000	sedan	175	3	Petrol	no	2006	330
BMW	28900	sedan	78	2	Petrol	yes	2012	528
BMW	9700	sedan	250	2	Petrol	yes	2003	318
BMW	11600	sedan	142	2	Petrol	yes	2005	320
BMW	36900	sedan	17	2	Petrol	yes	2013	520
BMW	13000	sedan	193	3.6	Petrol	yes	2003	735
BMW	13500	sedan	138	2.5	Petrol	yes	2004	
BMW	20000	sedan	15	2	Petrol	yes	2011	

You can Select the Properties of the car like Brand, body, and engine type:

Select desired properties:

BMW

You have selected BMW

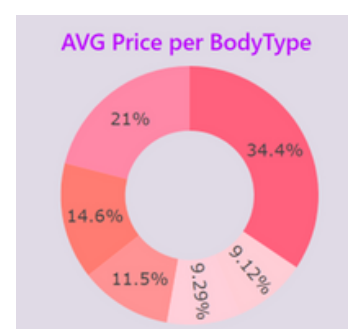
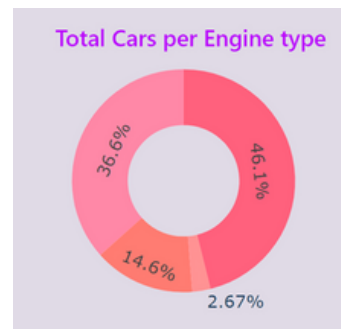
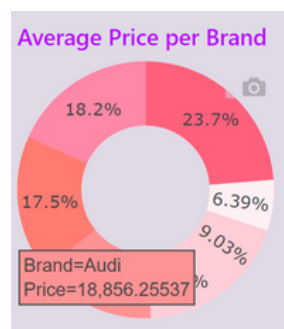
vagon

You have selected vagon

Petrol

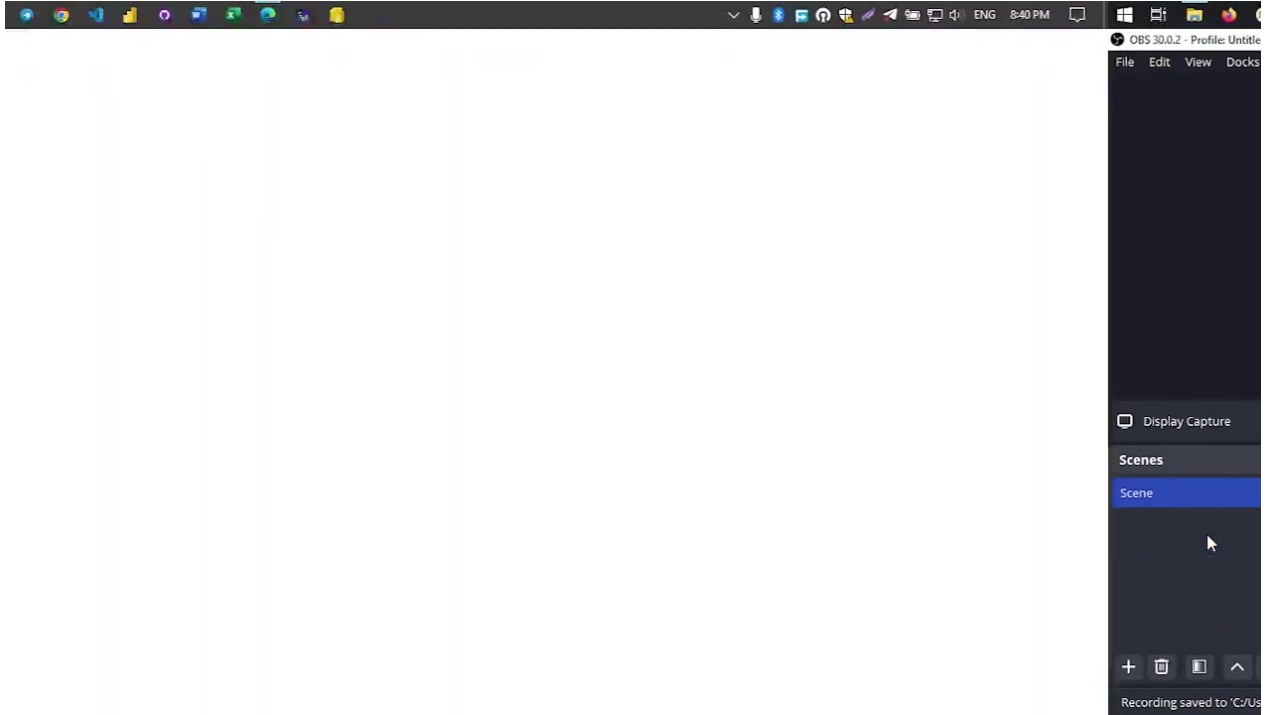
You have selected Petrol

In donut charts, you can instantly grasp several insights at a glance. These include the average price of cars per brand, the total number of cars per engine type, and the average price per body type. Additionally, by hovering over each section of the charts, you can interactively view detailed information.



P R E V I E W

Attention: to see this preview you must use **MP4 Version**
you can not see changes play video in pdf version



Thank You!
