

Introduction of the Automobile Industry



Segmentation of automobiles

2 wheeler 3 wheeler 4 wheeler 6 wheeler

1. On the basis of wheels:









General Impact of macro-economic variables on the automobile Industry













Industry KPIs

Imports

Production

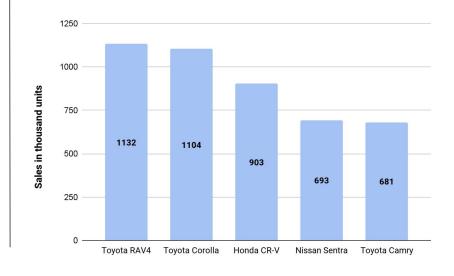
Sales







Top 5 Global Best-Selling Vehicles of 2021



Evolution of the Automobile Industry



Car Keys

Chrysler invented a technology to start both the electric starter and the ignition. It placed this power inside a key.

Hybrid Cars

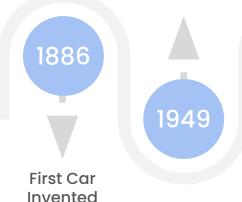
Toyota was the first company to add a hybrid motor to a petrol engine in its prius model.

2000

Tesla Autopilot

Tesla was the first to offer autopilot technology. Its Model S can automatically steer the car and even change lanes on the motorway.

2014



Karl Benz invented the first true automobile powered by an internal combustion

engine and had three

wheels



1958

Cruise control was developed to allow the driver to maintain a constant speed without the use of the accelerator. It was first used in another Chrysler Imperial



Automatic Parking

Toyota was first to launch this tech with its Intelligent Parking Assist that helped drivers parallel park.



Self-Driving Cars

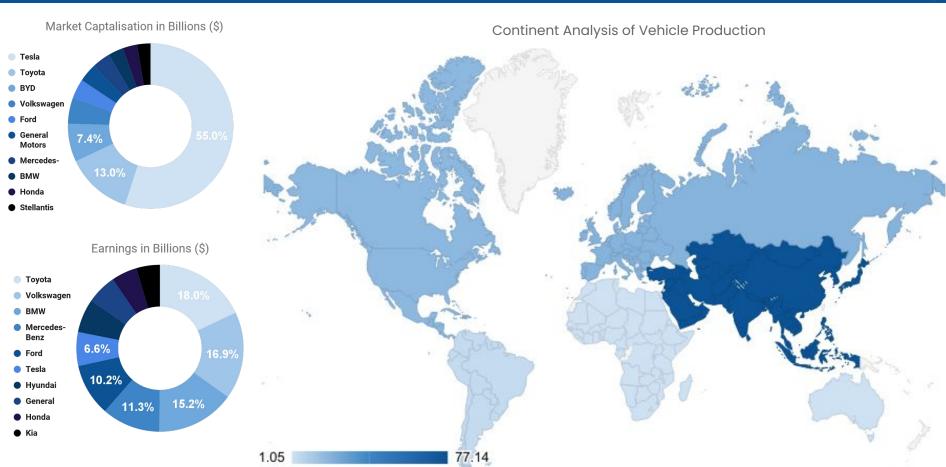
2020 was the release date of Google's self-driving car, the Waymo. It completed its first driverless ride on public roads in 2015 in Austin Texas with a blind man behind the wheel.





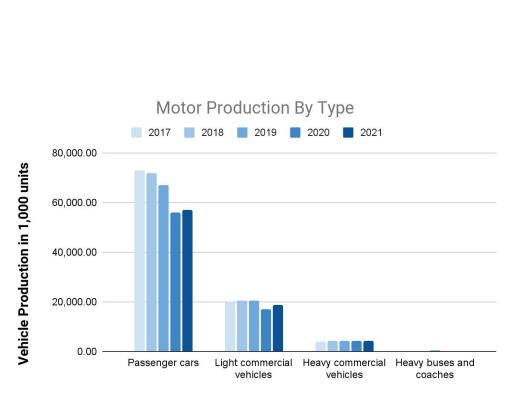
Placement of Top 10 Automakers

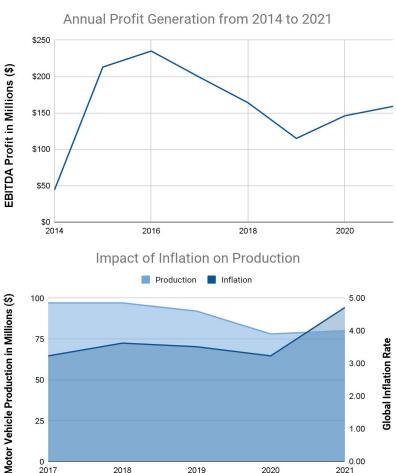




Trends and Distributions in Automobile Production

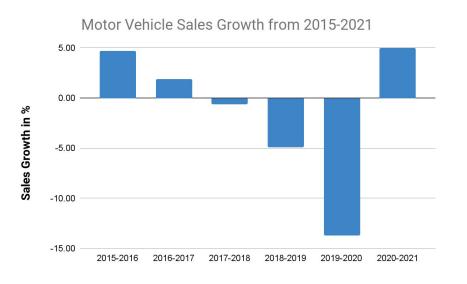


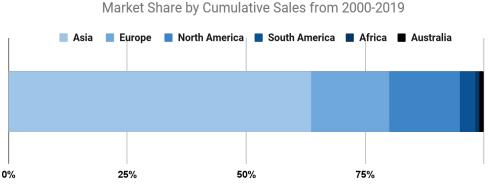




Trends and Distributions in Automobile Sales











Dissecting the Pakistani Automobile Industry through KPIs



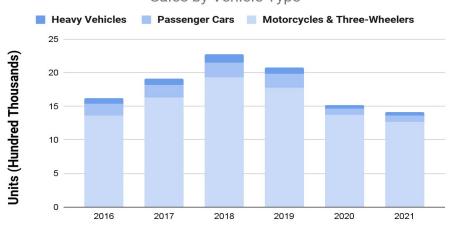




Sales in Units (Millions)

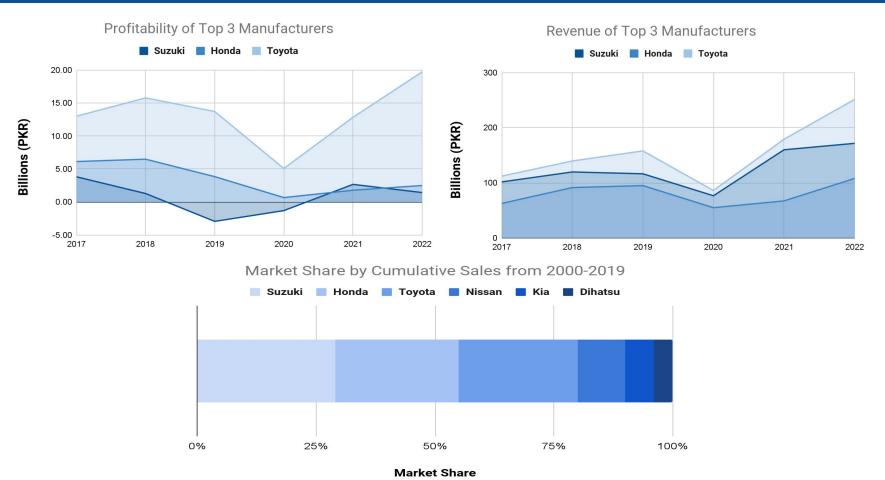
Imports in USD (Billions)

Sales by Vehicle Type

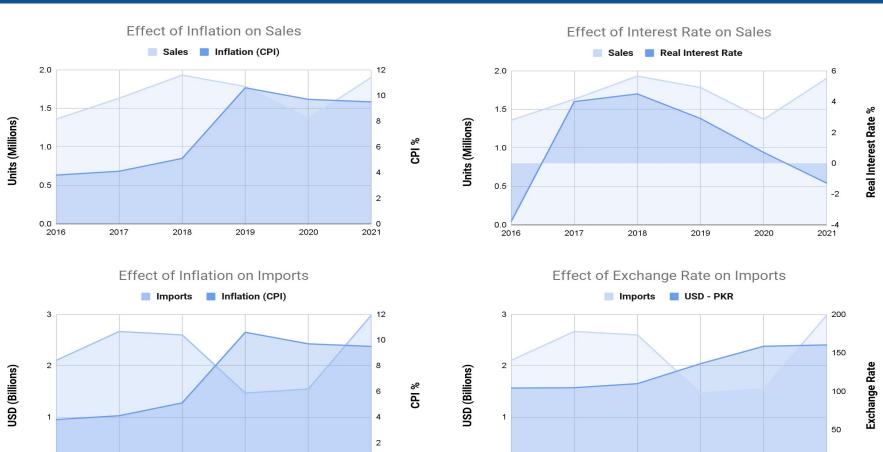


An Insight into the Top 3 Players





Impact of Macroeconomic Factors on the Pakistani Automobile Industry 📣



Automobile Knowledge Directory



Purpose	Link/Source
Global & Local industry-wide Data	<u>Statista</u>
Pakistan's Sales & Production Data	<u>Mark Lines</u>
Big 3 Consolidated Financial Performance (Local + Global)	Company Annual Reports
Historical Sales and Production Data for Pakistan	Pakistan Motor Association
Market Share of Top Manufacturers in Pakistan	<u>Published Research Report</u>

Please feel free to reach out to the Research and Insights Team

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