

A Closer Look At The Indian Used Cars Market

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Data Description

- **Car Details:** Make, model, variant, year of manufacture, and type (hatchback, sedan, SUV, etc.).
- **Price Information:** Actual price of the car
- **Mileage:** The standard mileage offered by the car company in kmpl or km/kg
- **Location:** City or region where the car is being sold.
- **Owner Details:** Information about the number of previous owners.
- **Features:** Features and specifications of the car, such as engine size, fuel type, transmission type, seating capacity

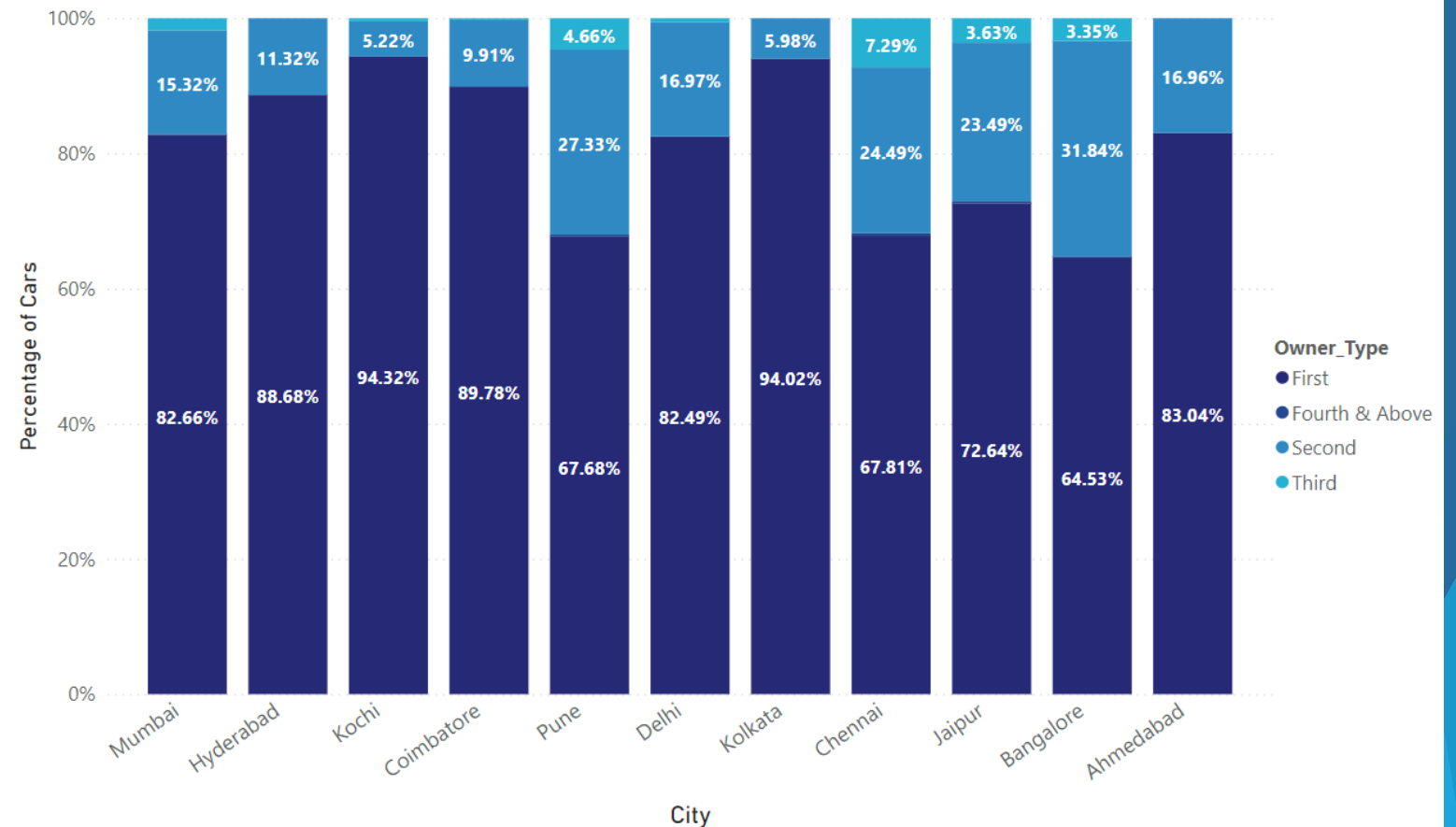
Objective

- To analyze the data through visualizations.

Column Name	Description
Name	Name of the Car on Sell
Location	City of the Car on Sell
Years	Year of manufacture
Kilometers_Driven	Kms Car travelled
Fuel_Type	Petrol, Diesel, CNG, LPG, Electric
Transmission	Manual, Automatic
Owner_Type	First, Second, Third, Fourth & Above
Mileage	Mileage of the Car
Engine	Engine Displacement
Power	Power of Engine
Seats	No. of Seats in Car

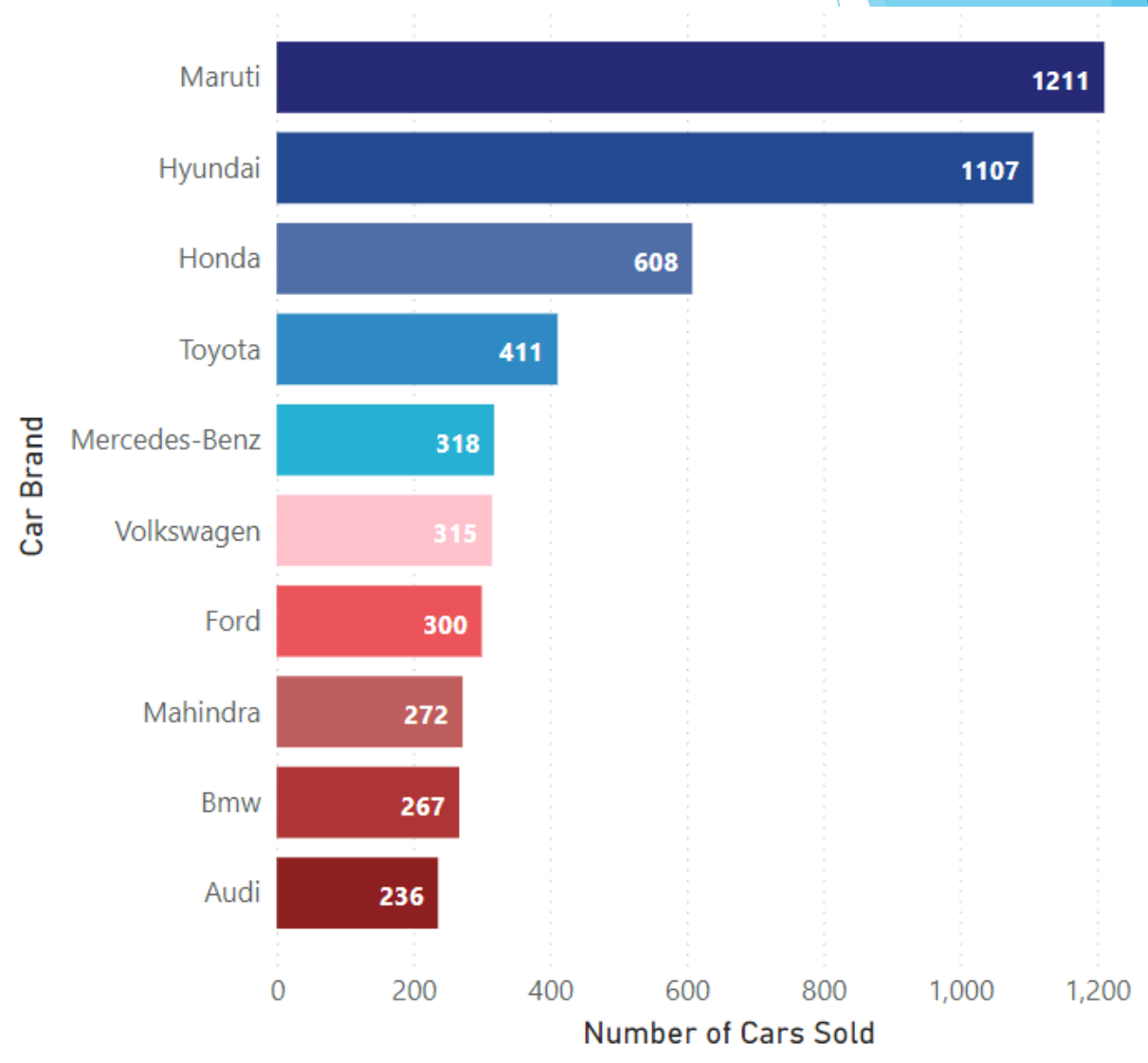
Which city residents mostly put their cars up for sale?

- ▶ Mumbai has the most used automobiles to sell, with around 82% of used cars being owned by the first owner, 15% by the second owner, and 2% by the third owner.



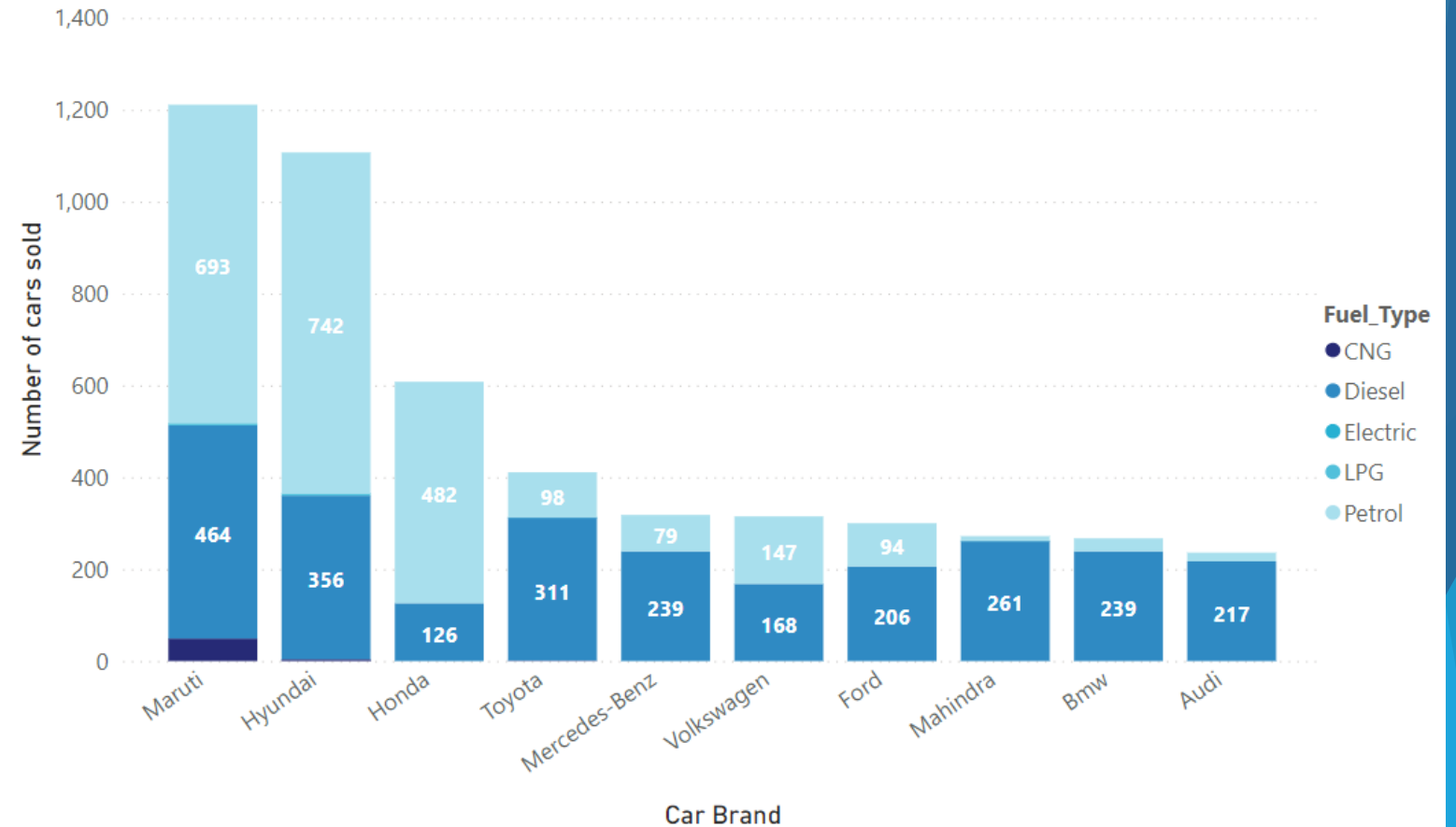
Which car brands are majorly on sale?

- ▶ The top ten most-selling used automobile brands are depicted in the graph, with Maruti Cars being the most popular among all the car brands.



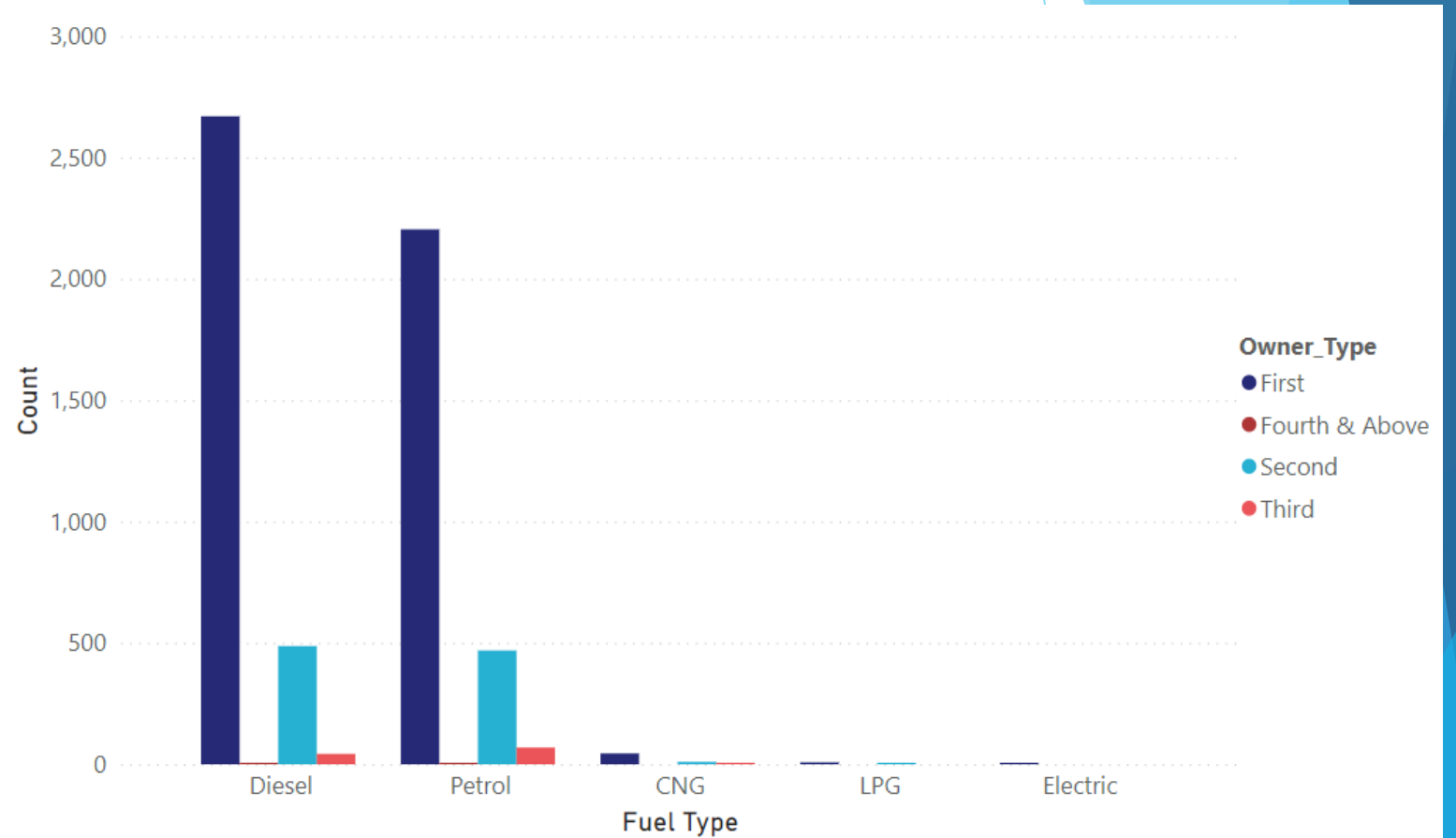
Which fuel type of each of these brands is preferred by the population?

- ▶ Hyundai Cars in the Petrol segment and Maruti Cars in the Diesel segment are the most popular and widely utilized by the public.



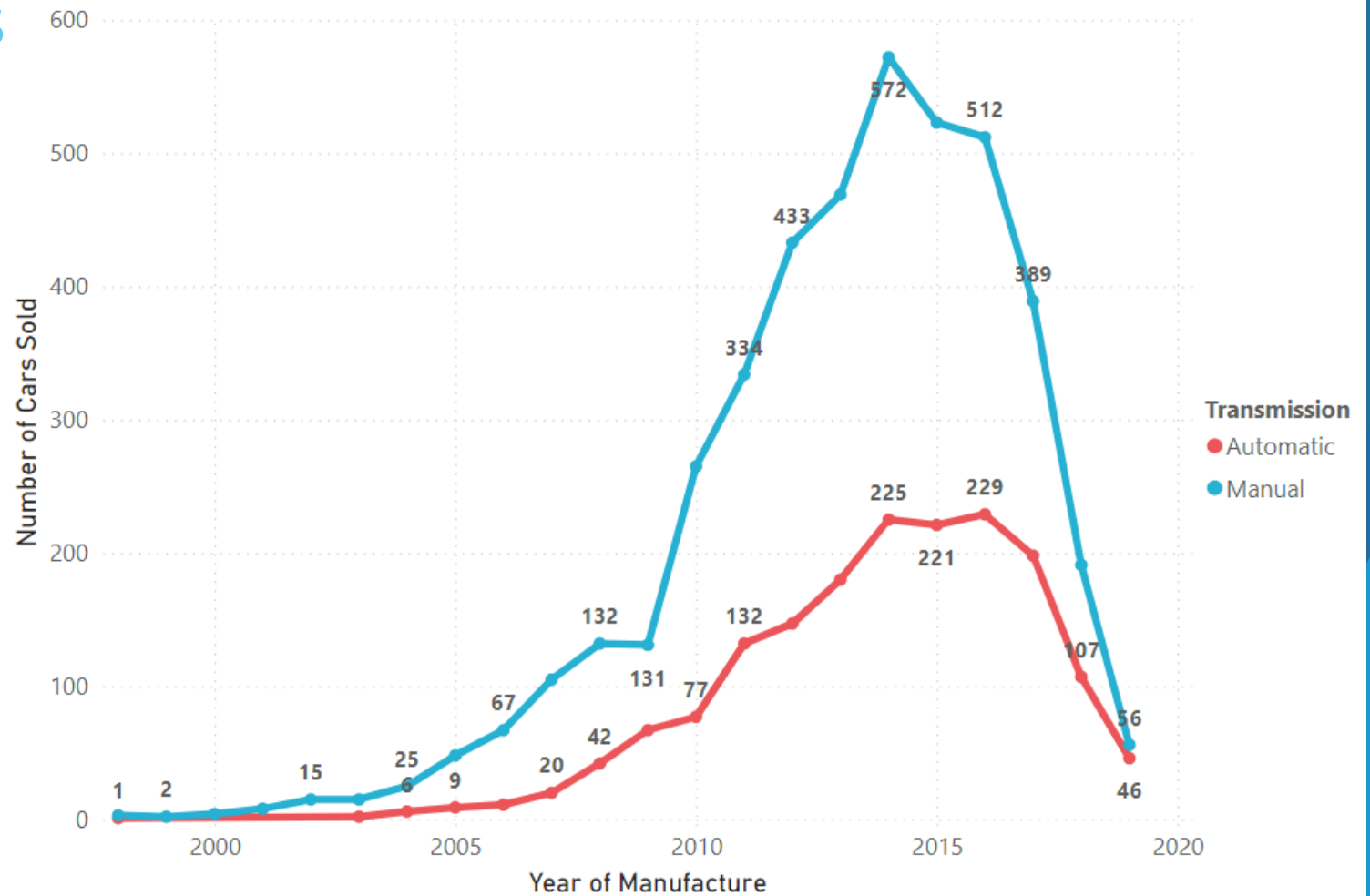
Which fuel type is the most popular?

- ▶ Electric cars are in limited numbers for resale because there are currently few companies in the Indian market producing electric vehicles.



In which year of production did the most automobiles sell?

- ▶ The maximum number of cars that are on resale have manual transmission compared to cars on resale with automatic transmission which were manufactured during 2012 and 2018.



Summary

- ▶ **Location Matters:** Mumbai appears to have a significant presence in the used car market. This information is essential for both buyers and sellers, as the local market dynamics can influence prices, demand, and availability.
- ▶ **Ownership Trends:** Understanding the distribution of car ownership (82% first owner, 15% second owner, 2% third owner) provides insights into the condition and potential value of the cars in the dataset. Typically, first-owner cars may be in better condition and command higher prices compared to third-owner cars.
- ▶ **Brand Popularity:** Maruti Cars seem to dominate the used car market, followed by Hyundai Cars. This indicates that these brands are popular among consumers, and their cars have a strong resale value.
- ▶ **Segment Preferences:** The popularity of Maruti Cars in the Diesel segment and Hyundai Cars in the Petrol segment suggests that buyers have distinct preferences based on fuel type. This information is valuable for sellers and marketers.
- ▶ **Electric Cars:** The limited availability of electric cars in the resale market is not surprising given the relatively low adoption of electric vehicles in India at the time of your data. However, this trend may evolve as more companies produce electric vehicles, and environmental awareness grows.
- ▶ **Transmission Types:** The higher prevalence of manual transmission cars compared to automatic transmission cars manufactured between 2012 and 2018 indicates that manual cars were more common during that period. This information can be useful for buyers who have transmission preferences.