

**OTOT - Task A2 part - 2 Tableau**  
**NAVEEN KUMAR JAKUVA PREMKUMAR - A0212252X**

**Title:** Selling Used Cars Visualization in India

**Dataset Name:** Car details v3.csv

**Data Source:** [Car Details Dataset](#)

**Tableau Visualization:** [My Visualizations on Tableau Online](#) (CarDetails)

**Dataset Description:**

Column Name	Variable Type	Description
Name	Categorical	Name of the car
Year	Numerical	Year when the car was bought ranges from 1985 to 2020.
Selling Price	Numerical	Price at which the car is sold <b>INR currency</b>
Km Driven	Numerical	Number of km the car is driven
Fuel	Categorical	Fuel type of the car  a) Petrol b) Diesel c) LPG d) CNG
Seller Type	Categorical	Seller is either Individual, Dealer or Trustmark Dealer
Transmission	Categorical	Transmission is either manual or automatic
Owner	Categorical	Number of the previous owner of the car  a) First owner b) Second owner c) Third owner d) Fourth & above owner e) Test Drive Car
Seats	Numerical	The number of seats in the car ranges from 2 to 14.

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**Purpose of the Visualization :**

- a) Know about the cars being sold very often.
- b) Understand the correlation between the car selling price and car attributes.
- c) Know about the behavior of the seller.

**Visualization 1: Average Car Selling Price Over Time**

**Queries Answered:**

- a) **Is there any trend in the average selling price of the cars?**
- b) **What is the average selling price of the car in a specific year?**
- c) **Which owner type has the highest average selling price?**

**Insights Found:**

- a) The year 2019 has the highest average selling price.
- b) The average selling price of first-hand cars is the highest entirely.

**Visualization Description:**

Marks: **Area**

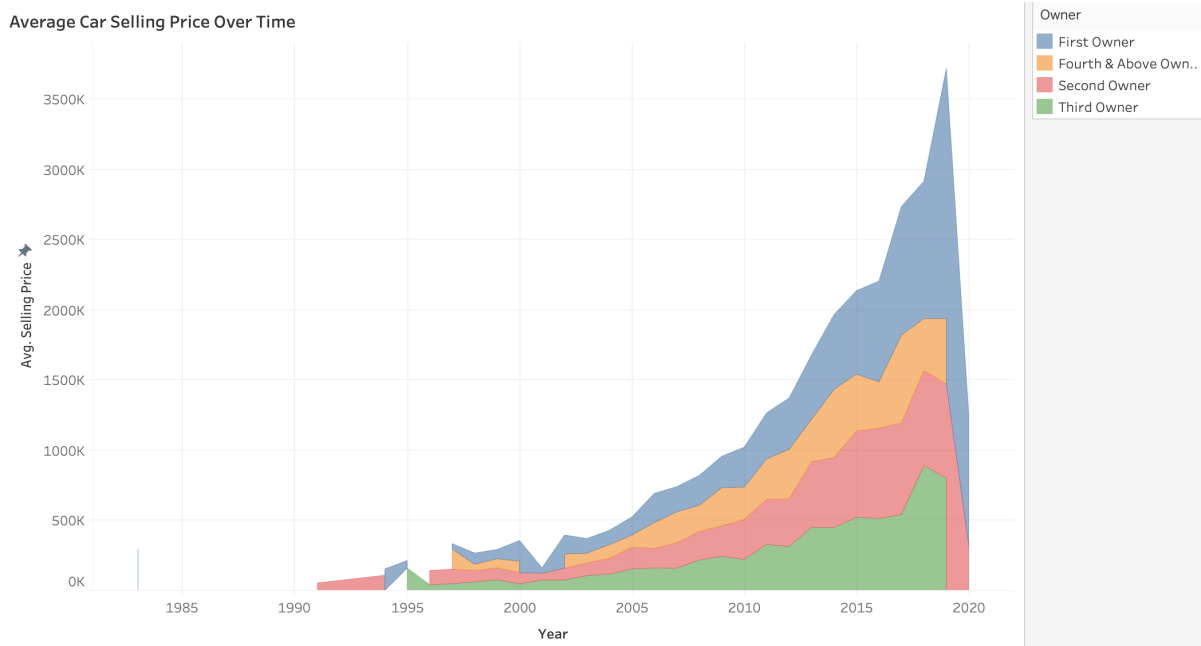
Channels: **Horizontal Positions, Vertical Lengths, and Hue**

Chart Type: **Area Chart**

X-Axis: Year

Y-Axis: Average selling price in **INR currency**

**Columns Used:** Year, Selling Price, Owner



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**Visualization 2: Average Selling Price By Owner**

**Queries Answered:**

- a) What is the average selling price of the car sold by an owner of a specific type?
- b) Which owner type has the highest average car selling price?

**Insights Found:**

- a) Car's first owner has the highest average car selling price.
- b) The average selling price of the cars with Automatic transmission is higher than that of the cars with Manual transmission.

**Visualization Description:**

Marks: **Points**

Channels: **Hue and Area**

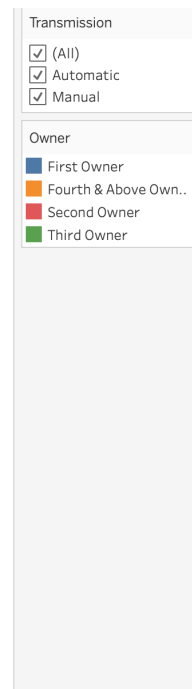
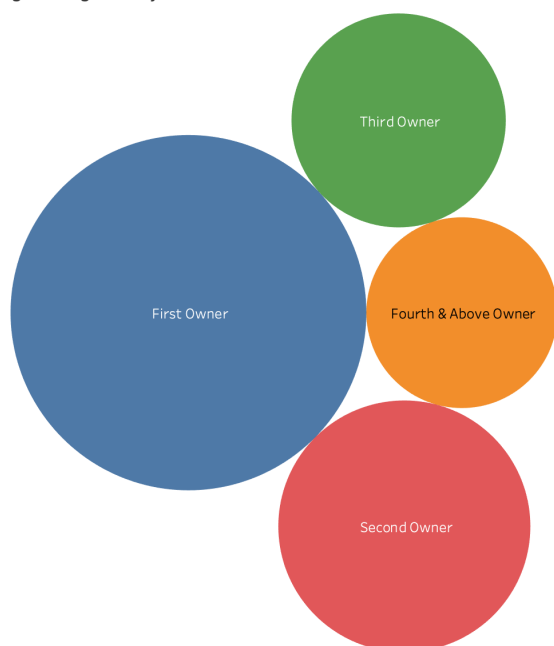
Chart Type: **Bubble Chart**

- Different categories of Owners (categorical variable) are represented in different colors.
- The area of the circle occupied by each owner type depends on the average of the car selling price (numerical variable).

**Columns used:** Selling Price, Owner, Transmission

Hovering on each Circle shows the average of the car selling price.  
Filter by car transmission is available.

Average Selling Price By Owner



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**Visualization 3: Total Km driven over Year By Fuel Type**

**Queries Answered:**

- a) Car with which transmission type is mostly being used by the people?
- b) Which fuel type car is mostly preferred by the people?

**Insights Found:**

- a) Manual transmission cars are mostly used by the people.
- b) Diesel type fuel cars are mostly preferred by the people.

**Visualization Description:**

Marks: **Lines**

Channels: **Hue, Horizontal Positions, Vertical Positions**

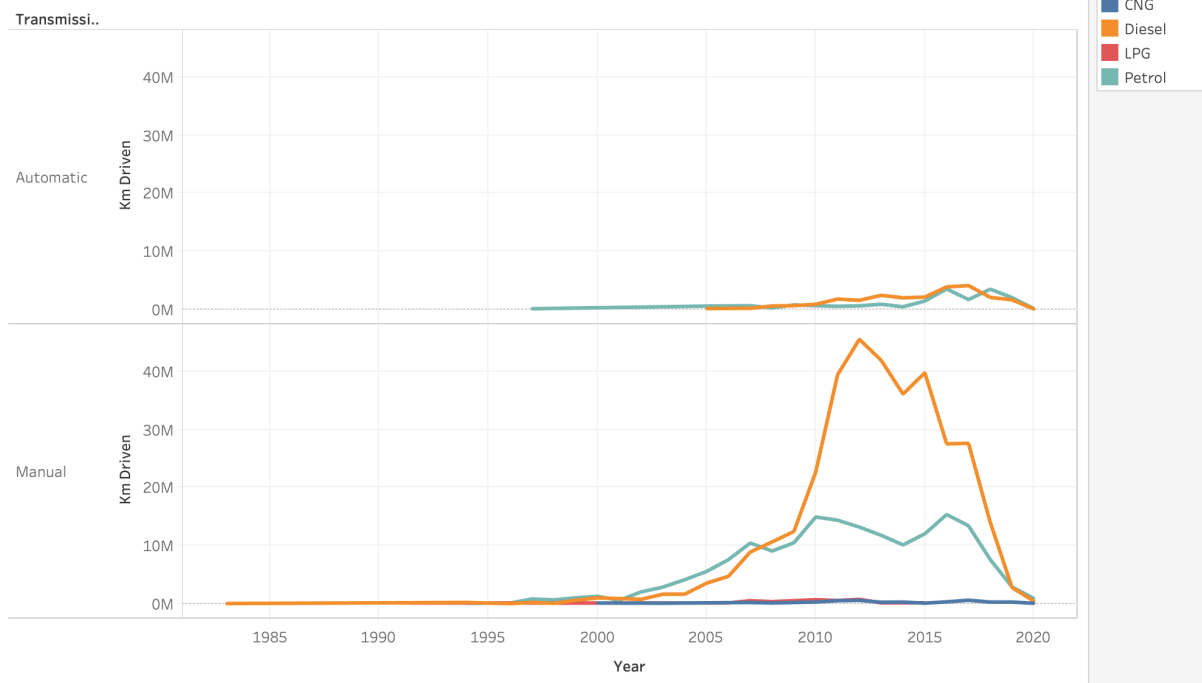
Chart Type: Line Chart

X-Axis: Year

Y-Axis: Km Driven

**Columns Used:** Transmission, Km Driven, Fuel, Year

Total Km driven over Year By Fuel Type



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**Visualization 4 : Average Selling Price By Number of Car Seats**

**Queries Answered:**

- a) What is the average selling price of the car with given number of seats?
- b) Car with how many number of seats has the highest average selling price?

**Insights Found:**

- a) 7 seated car has the highest average selling price.

**Visualization Description :**

Marks : **Lines**

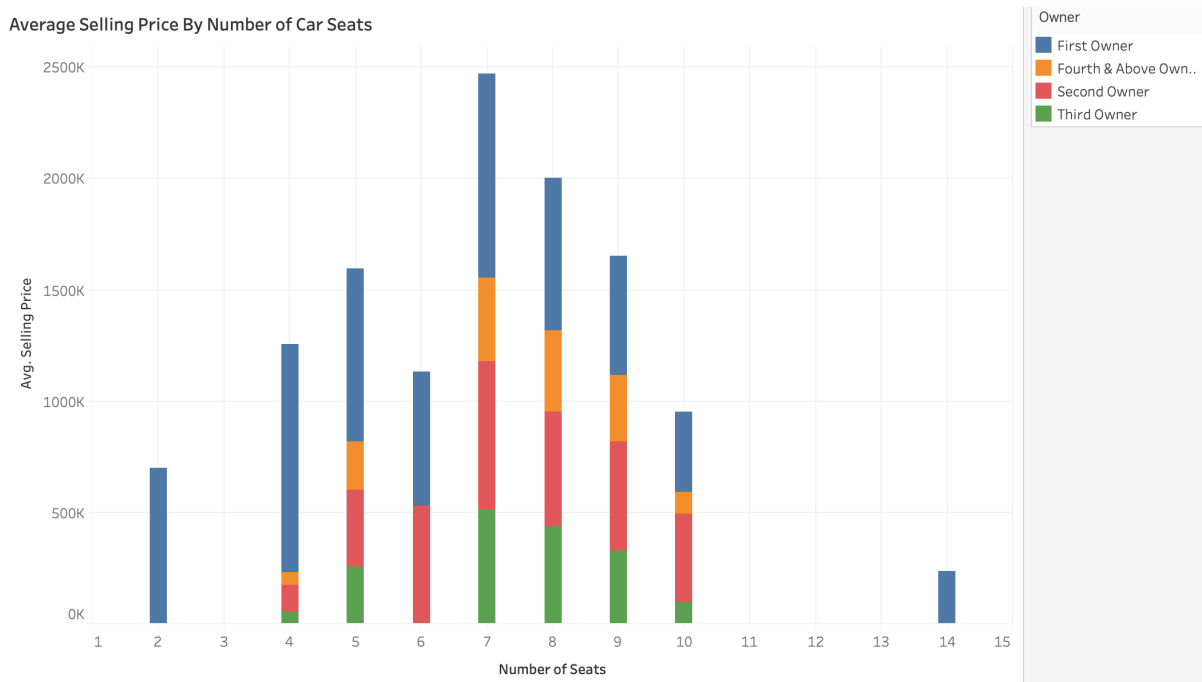
Channels : **Horizontal Positions and Vertical Lengths (Bar chart), Hue**

Chart Type : Stacked Bar chart

X-Axis : Number of Seats

Y-Axis : Average Selling Price

**Columns used :** Selling Price, Seats, Owner



### Visualization 5 : Cars Sold By Seller Type

#### Queries Answered :

- a) What is the average selling price of the car sold by a specific seller type?
- b) Which seller type has the highest average car selling price?

#### Insights Found:

- a) Dealers make the highest selling price.

#### Visualization Description:

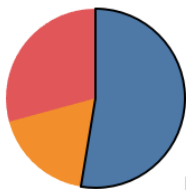
Marks: **Points**

Channels: **Colours**

Chart Type: **Pie Chart**

**Columns used:** Seller Type, Selling Price

Cars Sold By Seller Type



Seller Type: **Dealer**  
Avg. Selling Price: **1,443,494**

#### Seller Type



Dealer



Individual

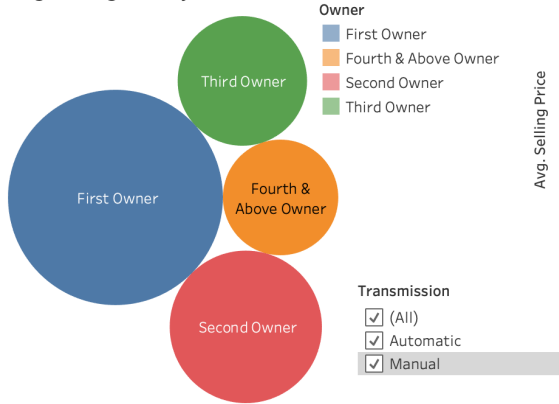


Trustmark Dealer

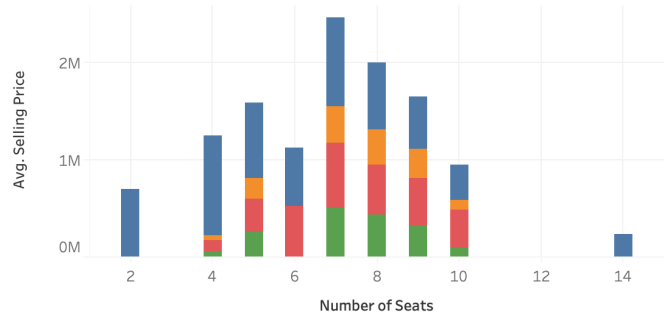
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DashBoard :

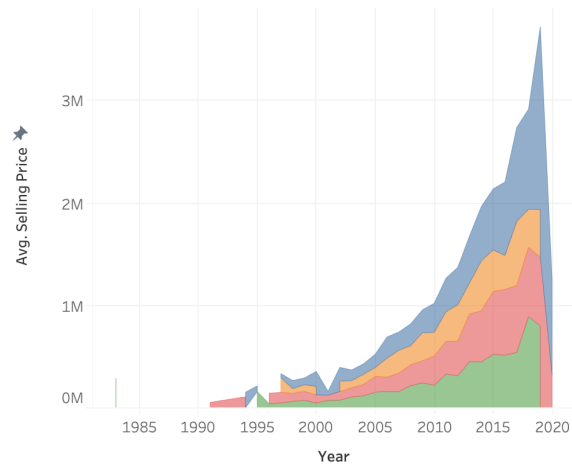
Average Selling Price By Owner



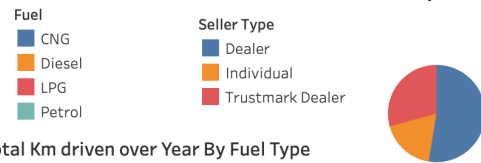
Average Selling Price By Number of Car Seats



Average Car Selling Price Over Time



Cars Sold By Seller Type



Total Km driven over Year By Fuel Type

