Business Question and Visualization Report

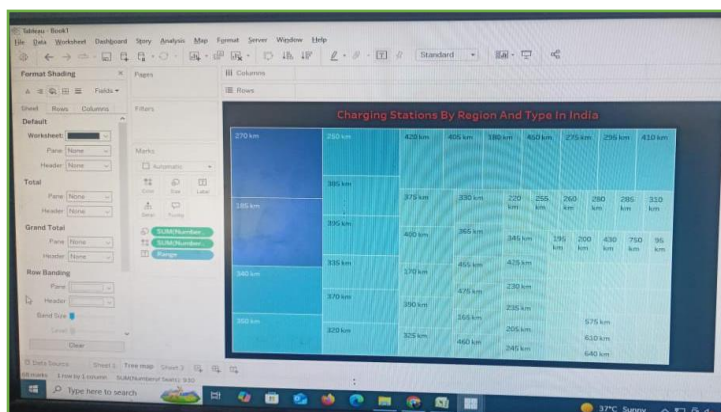| Date	21 March 2025
Team ID	LTVIP2025TMID26729
Project Name	Visualization Tool for Electric Vehicle Charging And Range Analysis In Tableau
Maximum Marks	5 Marks

Visualization development refers to the process of creating graphical representations of data to facilitate understanding, analysis, and decision-making. The goal is to transform complex datasets into visual format, enabling users to gain insights and make informed decisions. Visualization development involves selecting appropriate visual elements, designing layouts, and using interactive features to enhance the user experience. This process is commonly associated with data visualization tools and platforms, and it plays a crucial role in business intelligence, analytics, and reporting

Business Questions and Visualisation

The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Tableau. Well-framed questions help in identifying key metrics, selecting relevant data, and building visualisation that provide insights.
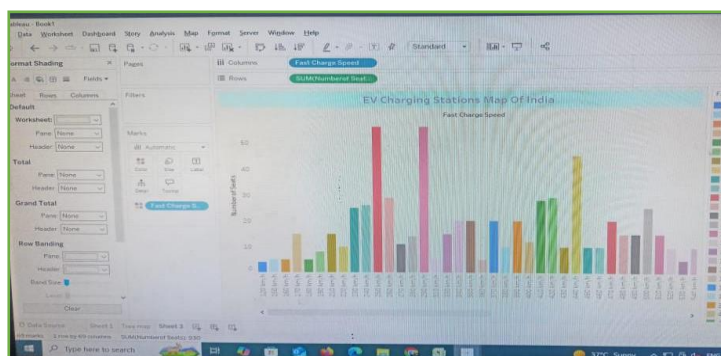
1. **What is the average range or coverage (in kilometres)provided by charging stations in different regions?**

   - *Visualization*: Charging Stations by Region And Type In India
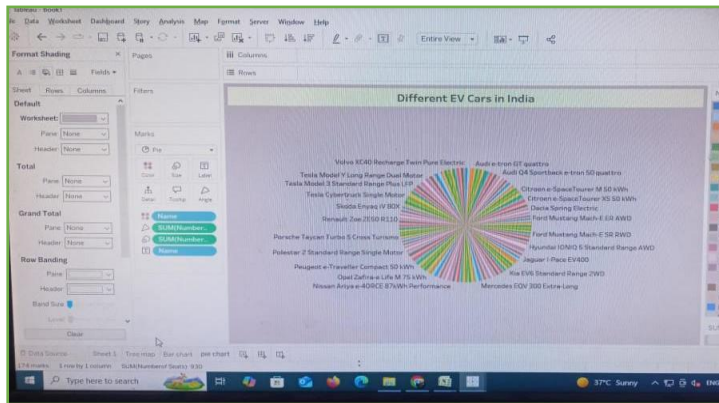
   - *Screenshot of visualisation:*

2. **Which fast charge speeds are most common in India's EV charging stations in different regions?**

   - *Visualization*: EV charging Stations Map of India
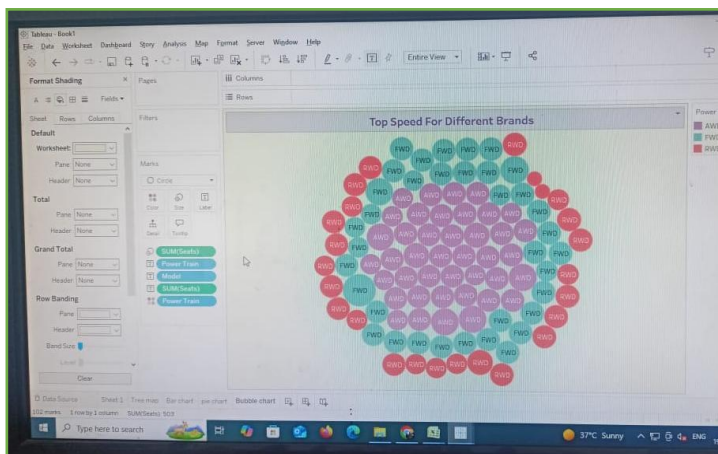
   - *Screenshot of visualisation:*

3. **What are the most popular electric vehicle (EV) models in India based on the number of seats offered?**

   - *Visualization*: Different EV Cars In India
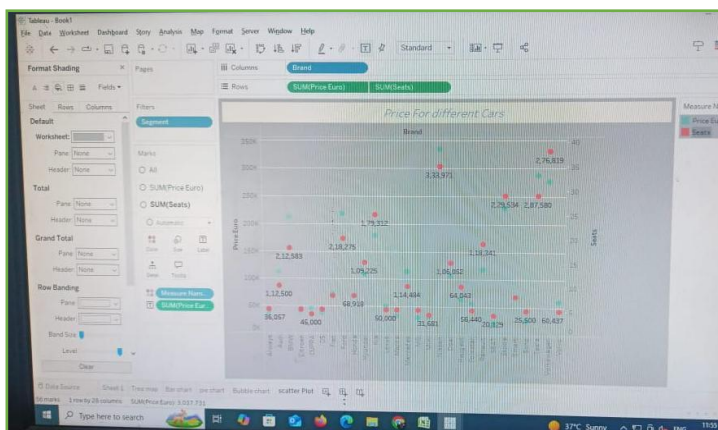
   - *Screenshot of visualisation:*

4. **What is the distribution of top speeds for different car brands, categorized by their power transmission type?**

   - *Visualization*: Top Speed for Different Brands
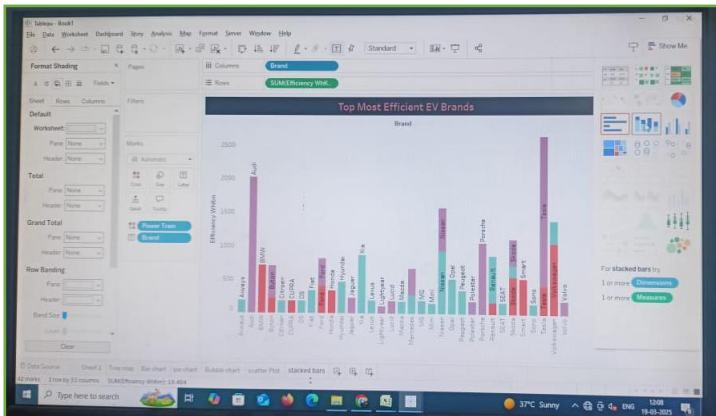
   - *Screenshot of visualisation:*

5. **What is the relationship between the price of a car(in euros) and the number of seats it offers across different brands?**

   - *Visualization*: Price For Different Cars in India
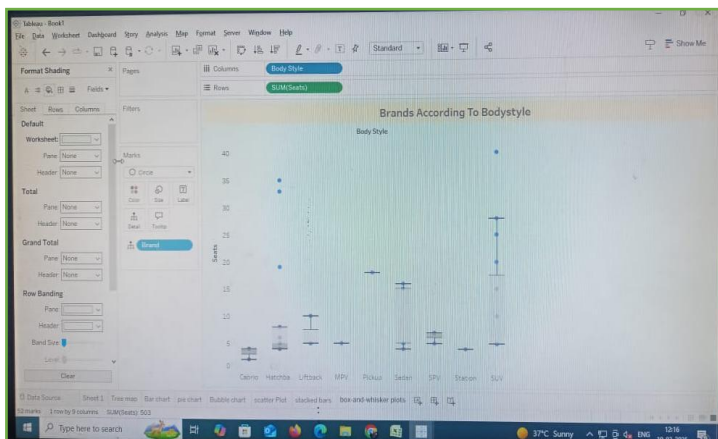
   - *Screenshot of visualisation:*

6. **Which EV brands are leading in efficiency and by what margin?**

- *Visualization*: Top 10 Most Efficient EV Brands
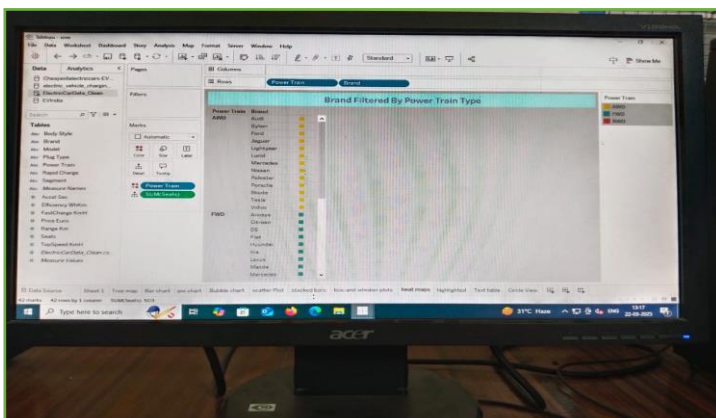
- *Screenshot of visualisation:*

7. **Which car body styles tend to offer the most seating capacity?**

- *Visualization*: Brands According to Body style
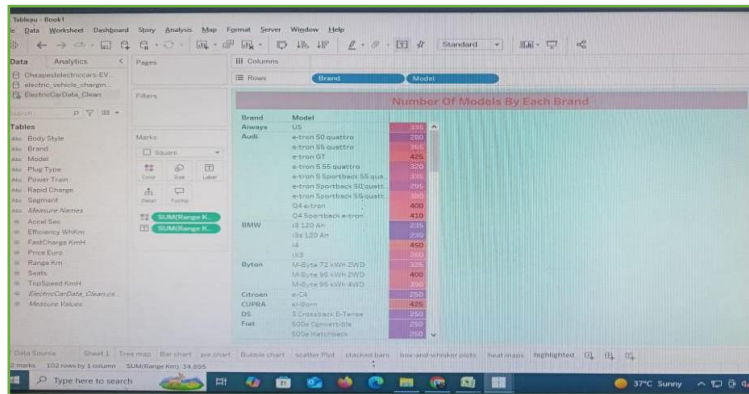
- *Screenshot of visualisation:*

8. **Which power train type is associated with the highest top speeds?**

- *Visualization*: Brands Filtered by Powertrain Type
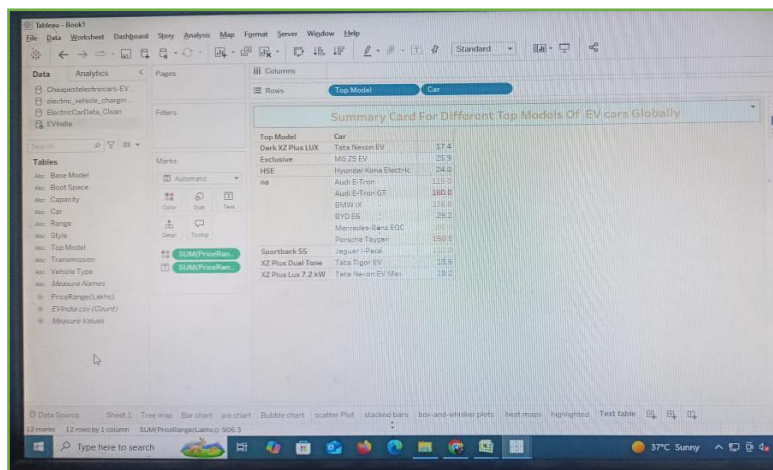
- *Screenshot of visualisation:*

9. **Which brand offers the greatest number of electric vehicle models?**

- *Visualization*: No Of Models by Each Brand
- *Screenshot of visualization*:

10.What is price range for different top models of electric vehicles globally?

- *Visualization*: Summary Card for Different Brands of EV Cars Globally

- *Screenshot of visualisation:*

11.What is average price range for different styles of electric vehicles (EVS)?

- *Visualization*: Summary Card for Different Brands Of EV Cars In India

- *Screenshot of visualisation:*