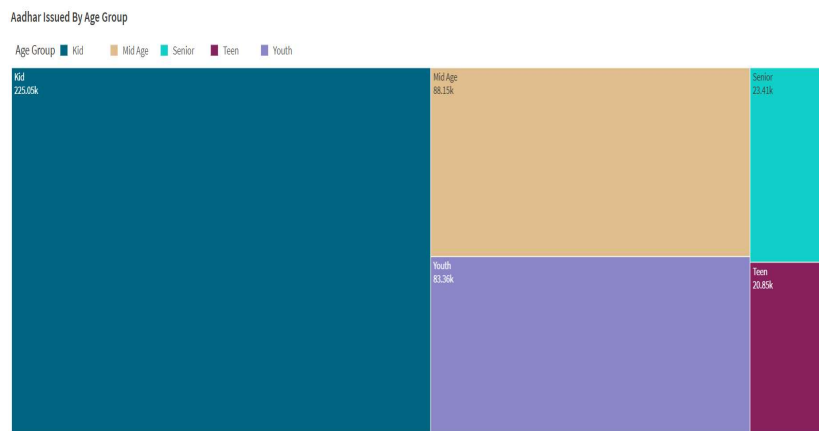# 5. Data Visualization

1. Tree Map

"This Tree Map represents the total Aadhar numbers generated, categorized by age group. The dimension is Age Group, and the measure is the sum of Aadhar numbers generated."

In Qlik Sense, we use dimensions to categorize the data and measures for numerical calculations or aggregations.
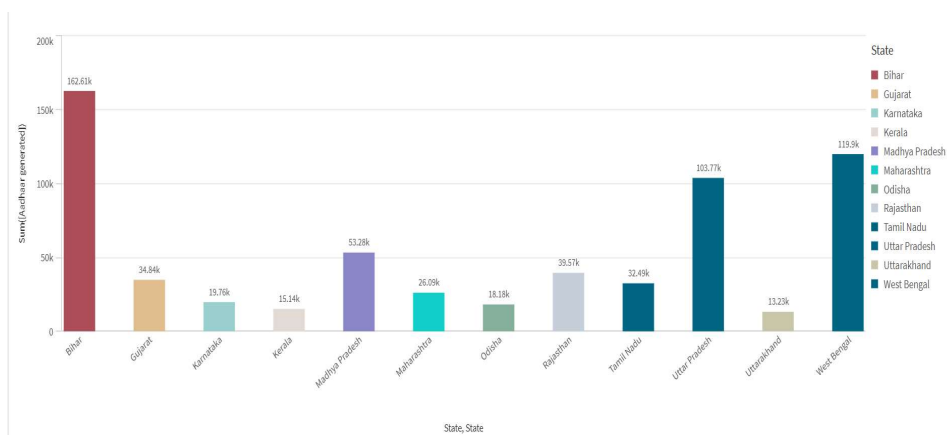

2. Bar Chart

"This bar chart represents the total Aadhar generated and rejected by states. To achieve this, we first create a hierarchy dimension consisting of State, District, and Sub District. The measure for the bar chart is the sum of Aadhar generated and rejected."
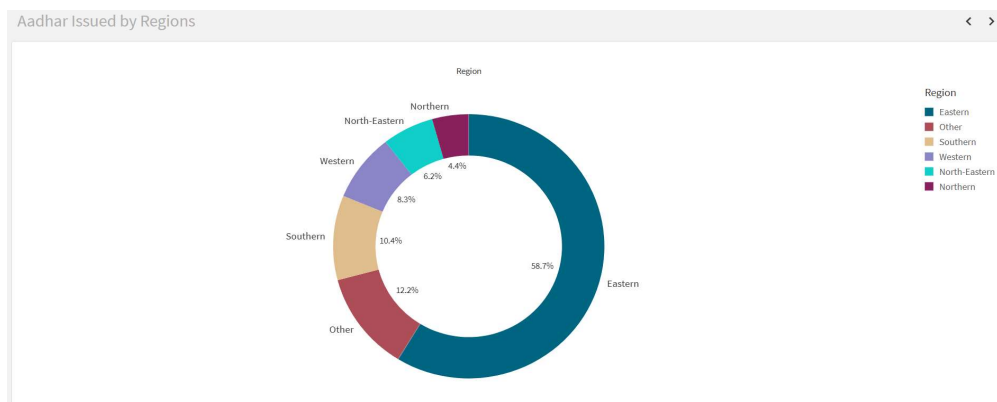
To be clear:

- **Hierarchy Dimension**: State > District > Sub District
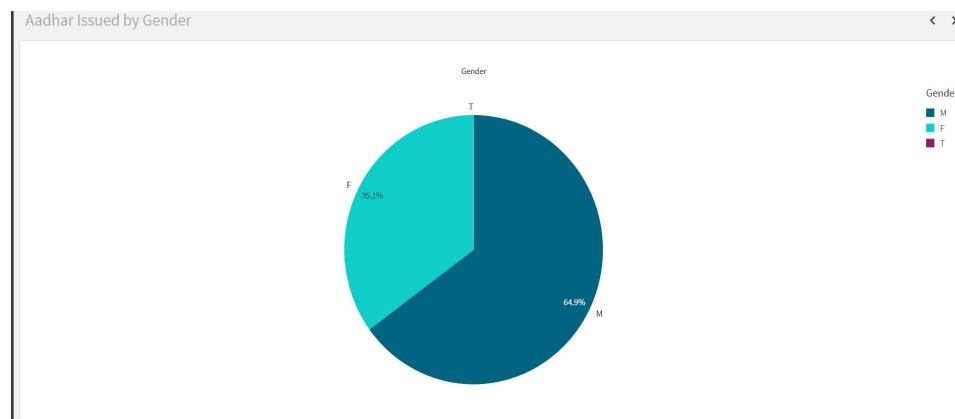- **Measures**: Sum of Aadhar generated and Sum of Aadhar rejected

3. Donut Chart

"This donut chart represents the Aadhar numbers issued by region. The dimension used is Region, and the measure is the sum of Aadhar generated."
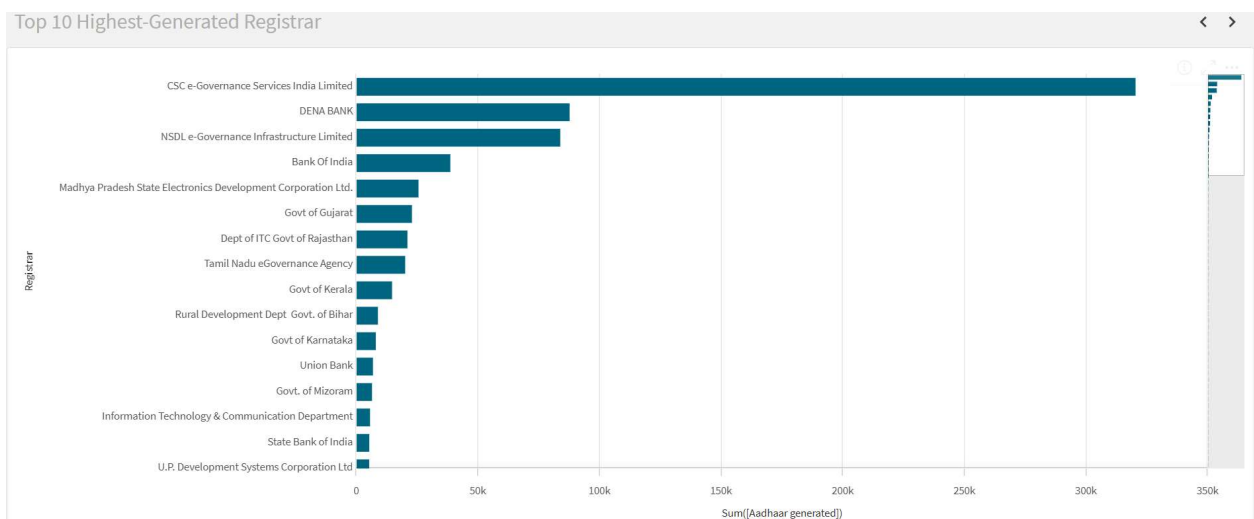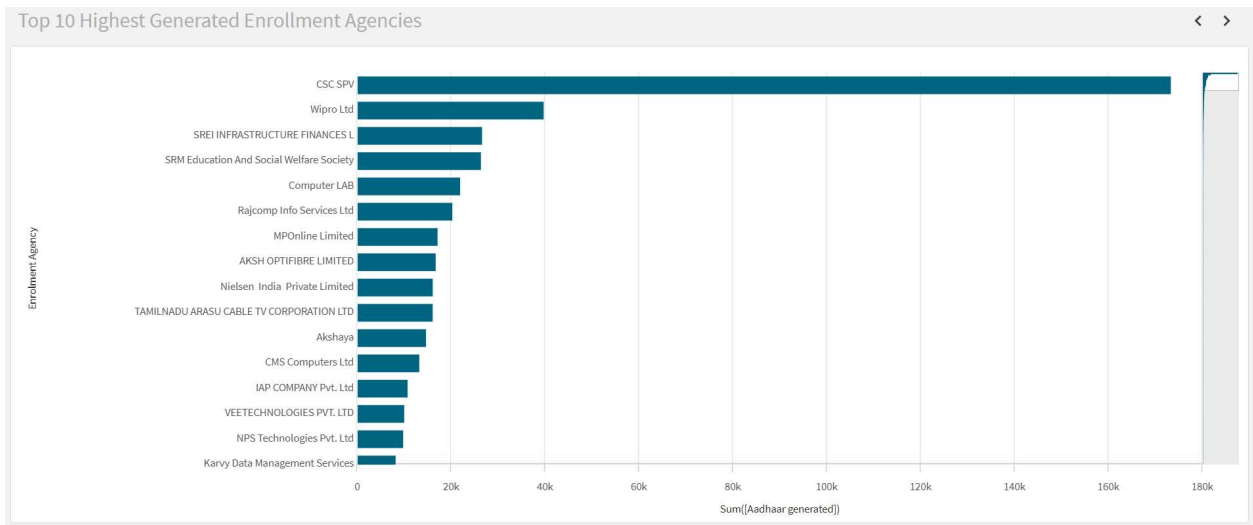

4. Pie Chart

"This pie chart represents the total number of Aadhar generated by male and female (Gender). The dimension is Gender, and the measure is the sum of Aadhar generated."

5. Horizontal Bar Charts

This horizontal bar chart represents the total number of Aadhar generated by the top 10 enrollment agencies. The dimension is Enrollment Agency, and the measure is the sum of Aadhar generated," and the total number of Aadhar generated by the top 10 Registrars. The dimension is Rigistrar, and the measure is the sum of Aadhar generated."

6. Stacked Bar Chart

"This stacked bar chart represents the total number of Aadhar generated and rejected by states. The dimension is State, and the measures are the sum of Aadhar generated and the sum of Aadhar rejected."