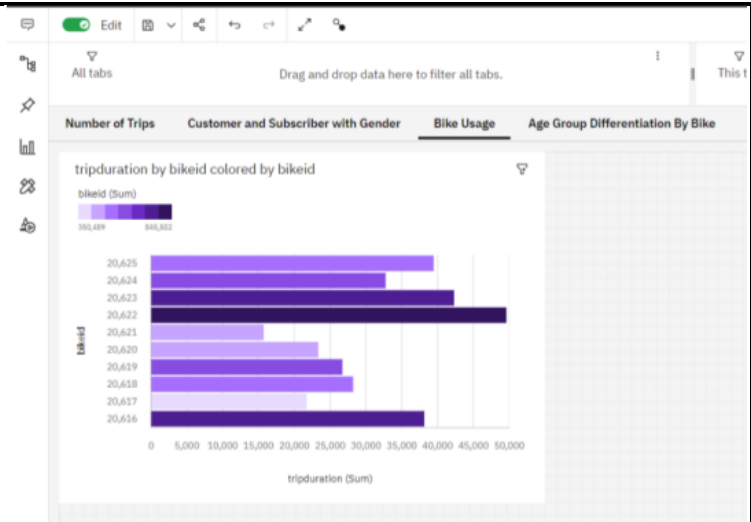


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID22565
Project Name	A New hint to transportation - Analysis of the NYC bike share system
Team Lead	Mahesh S M
Team Members	Pranav M Kabilraj S Robert Samuel J
Maximum Marks	10 Marks

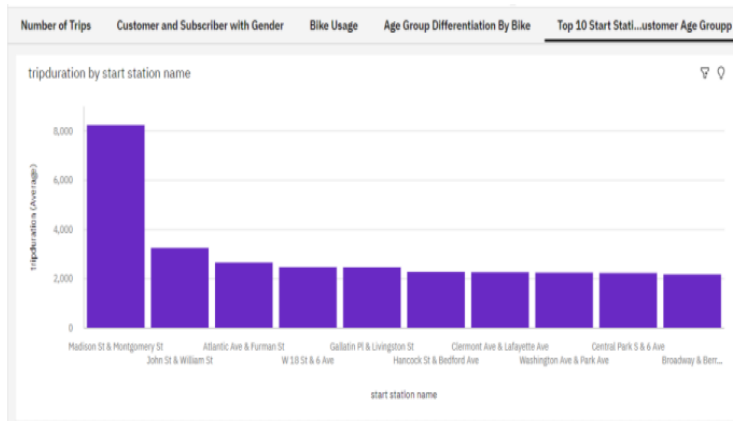
Model Performance Testing:

S.N o.	Parameter	Screenshot / Values
1.	Dashboard design	<p>No of Visualizations / Graphs - 5 and 1 Dashboard</p> <p>The screenshot displays a Tableau dashboard with the following components:</p> <ul style="list-style-type: none"> Table: A table titled 'bikeid and tripduration' with two columns: 'bikeid' (value: 5,794) and 'tripeduration' (value: 1,372.57). Bar Chart: A bar chart titled 'tripeduration by usertype colored by usertype'. The chart shows trip duration for Customer and Subscriber user types across three categories (0, 1, 2). The y-axis represents 'tripduration (seconds)' ranging from 0 to 400,000,000.



age_group and bikeid

age_group	bikeid
21-30	5,051
31-40	5,754
41-55	5,755
>55	5,754
Summary	5,794

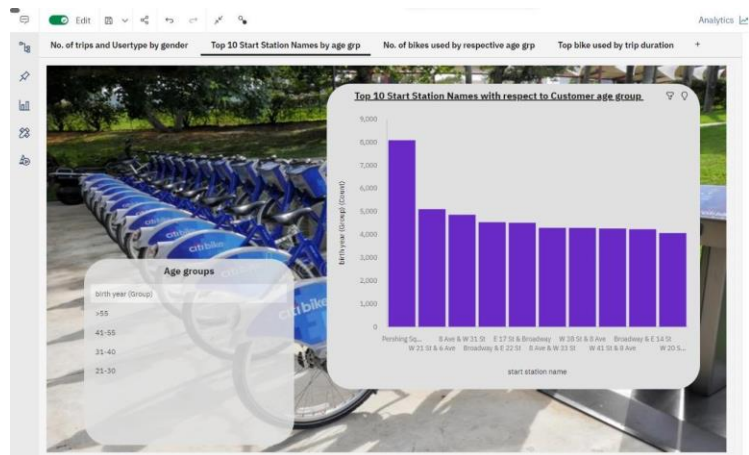


2.	Data Responsiveness	<p>Yes. It is responsive. It can tackle changing needs, preferences and behavior, reduces risk and can scale on-demand.</p> <p>data we're working with and give a brief overview of what each feature represents or should represent</p> <ol style="list-style-type: none"> 1. Trip Duration (seconds) — How long a trip lasted 2. Start Time and Date 3. Stop Time and Date 4. Start Station Name 5. End Station Name 6. Station ID - Unique identifier for each station 7. Station Lat/Long - Coordinates 8. Bike ID - unique identifier for each bike 9. User Type (Customer = 24-hour pass or 3-day pass user; Subscriber = Annual Member) - Customers are usually tourists, subscribers are usually NYC residents 10. Gender (Zero=unknown; 1=male; 2=female) - Usually unknown for customers since they often sign up at a kiosk 11. Year of Birth - Self-entered, not validated by an ID. 12. An interactive dashboard, story, and report is created in the end
3.	Amount Data to Rendered (DB2 Metrics)	718994 rows of data is used

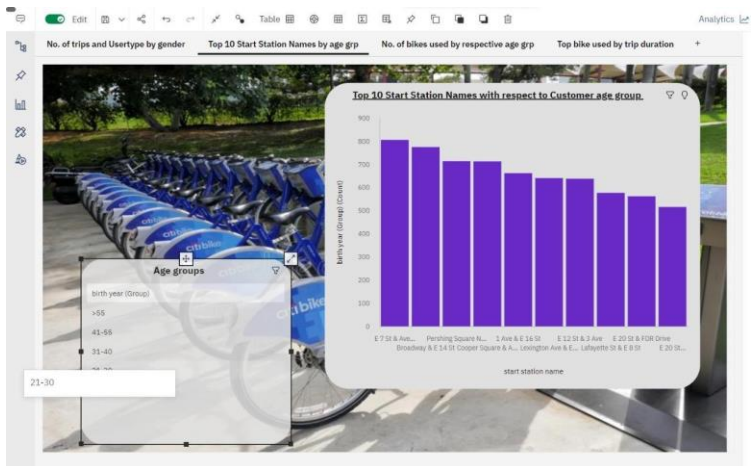
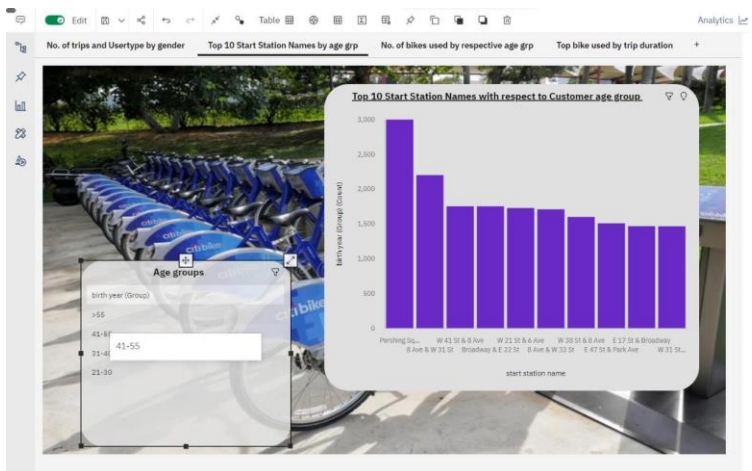
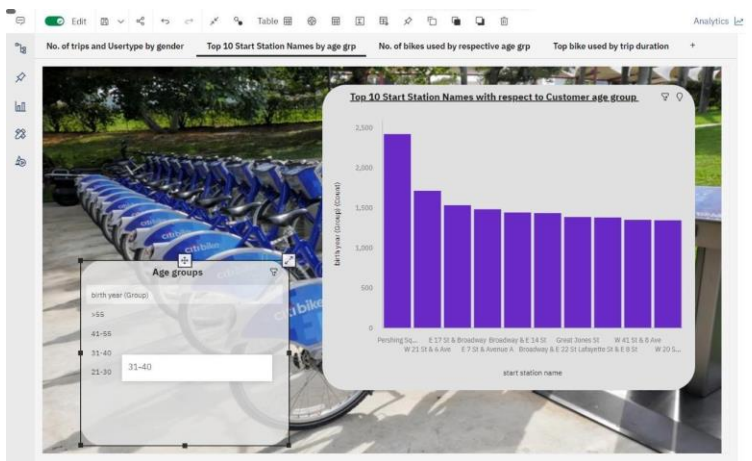
4.

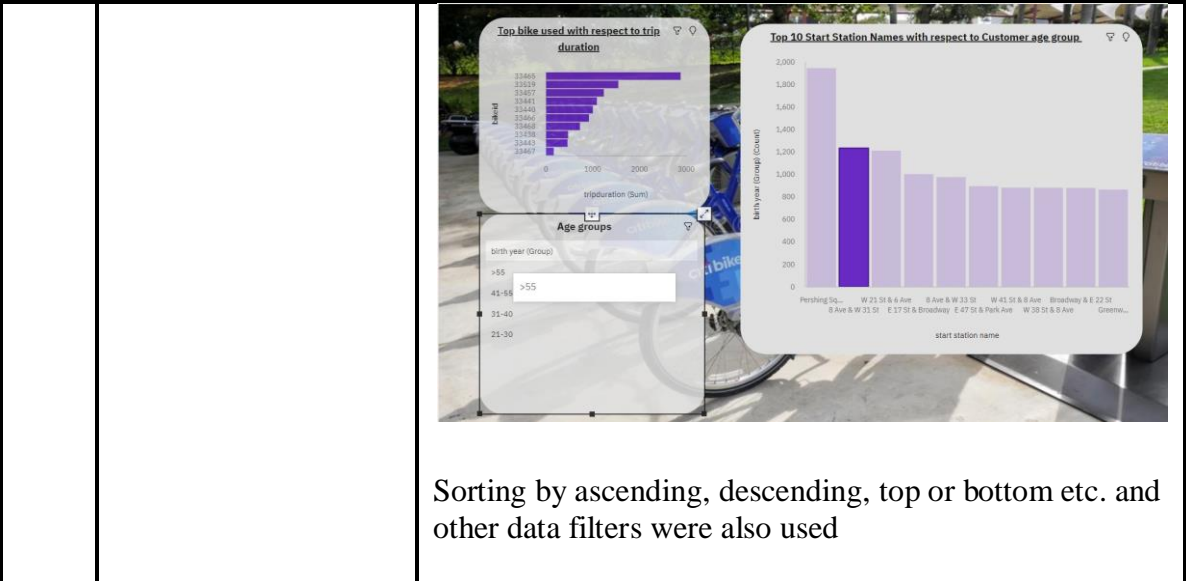
Utilization of Data Filters

Without age group filter:



With age group filter:





Sorting by ascending, descending, top or bottom etc. and other data filters were also used

5.

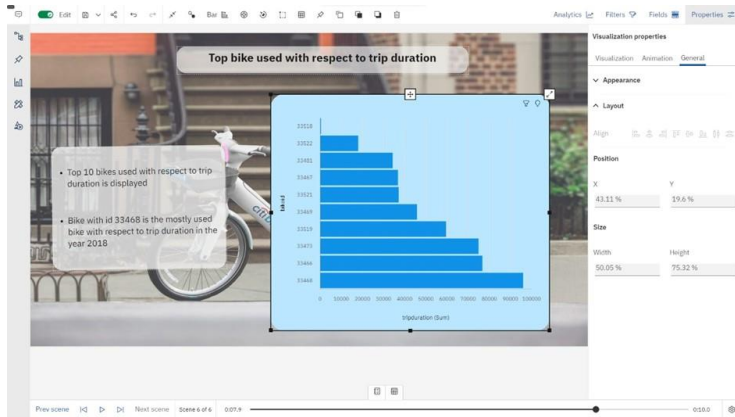
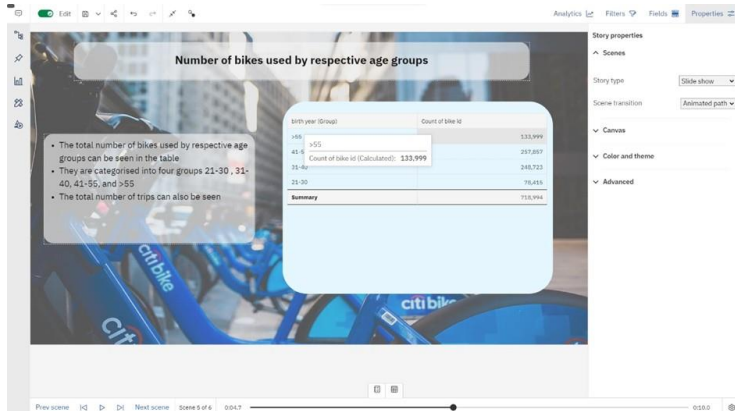
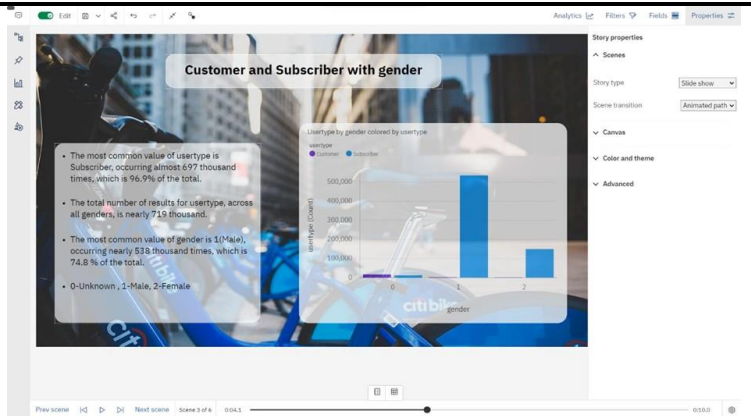
Effective User Story

No of Scenes Added - 6

The figure shows two screenshots of a presentation slide titled "A New Hint to Transportation-Analysis of the NYC Bike Share System".

The top screenshot displays the slide content, which includes the title, team ID (PNT2022TMD23401), and team members (CHARUMATHI, K., ELEKATVA, S., MARISAKTHI, G., NANDHINI, S., SHIVANIL, A.). The slide features a background image of a Citibike.

The bottom screenshot shows the slide content with a large blue box displaying the number "719K" and the text "Number Of Trips". The slide also includes a bullet point stating: "The total number of trips in the year 2019 was approximately 7,19,000".



6.

Descriptive Reports

No of Visualizations / Graphs - 10

