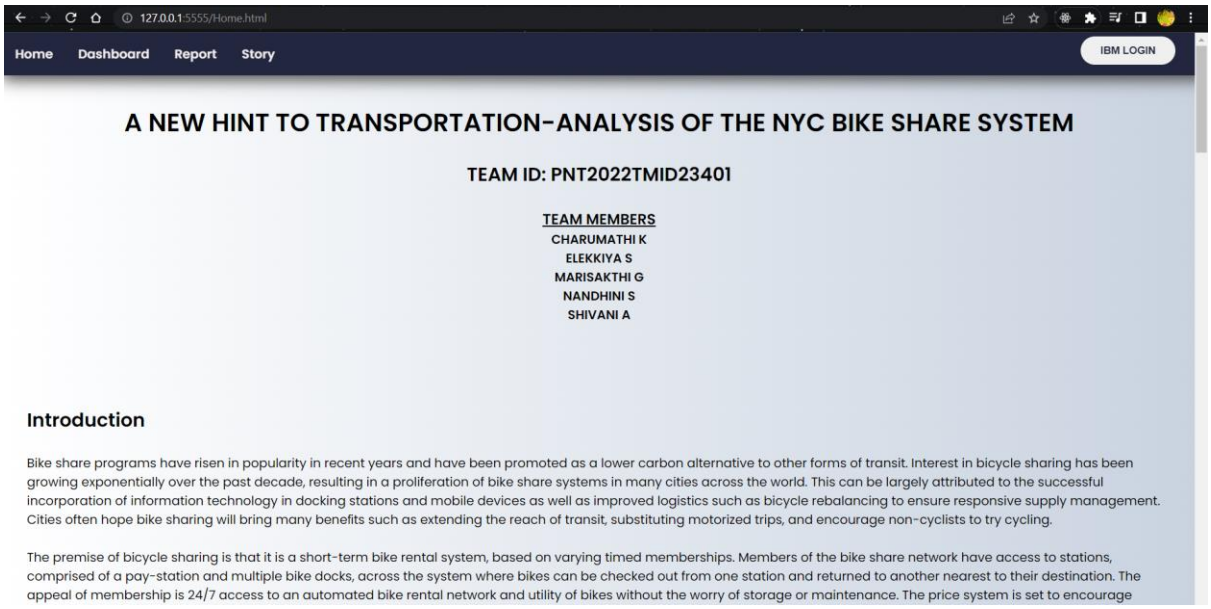
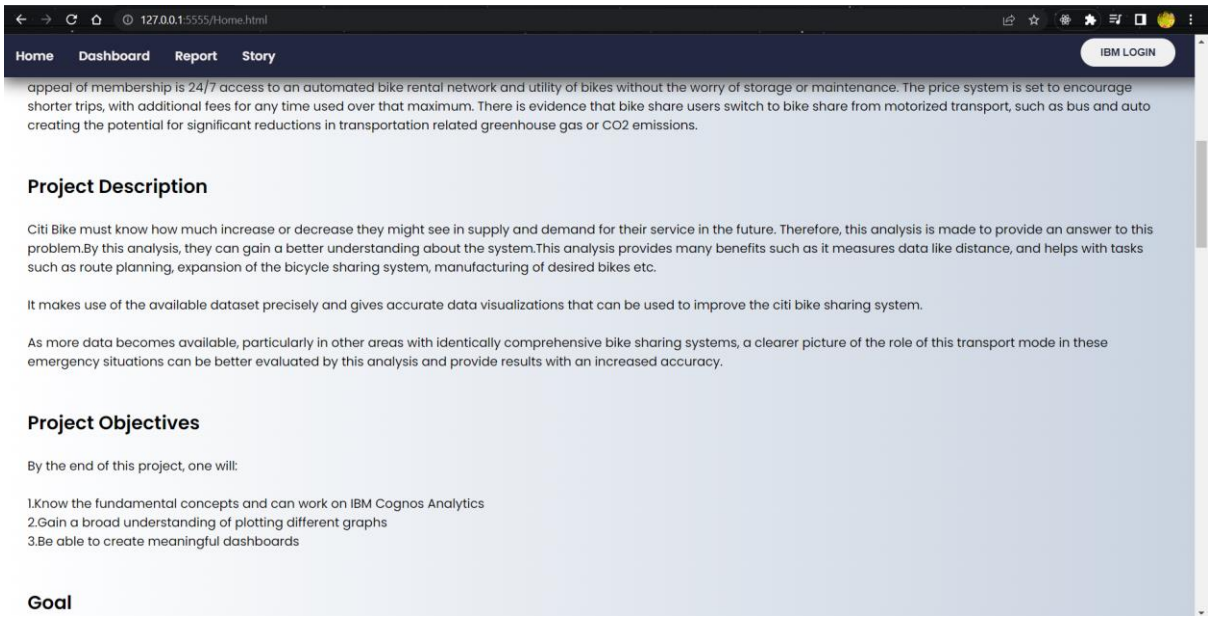
Website

Team ID	PNT2022TMID23401
Project Name	A new hint to transportation - Analysis of the NYC bike share system

HOME PAGE:





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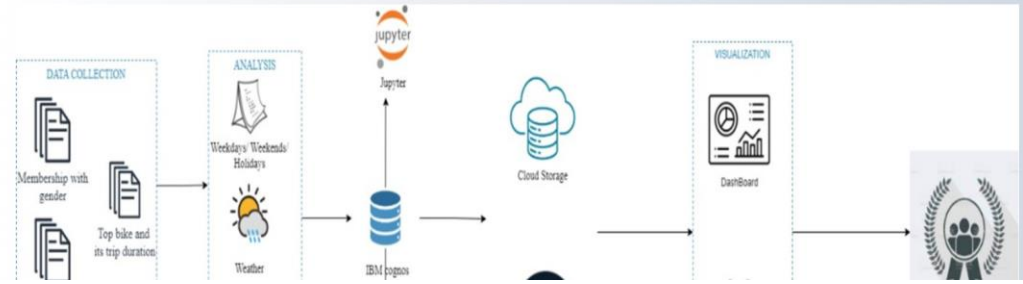
Goal

The goal of this analysis is to create an operating report of Citi Bike for the year 2018. The following data visualizations are created to understand the report

1.Total Number of Trips
2.What is Customer and subscriber with gender
3.Find the top bike used with respect to trip duration?
4.Calculating the number of bikes used by respective age groups
5.Top 10 Start Station Names with respect to Customer age group

Solution architecture



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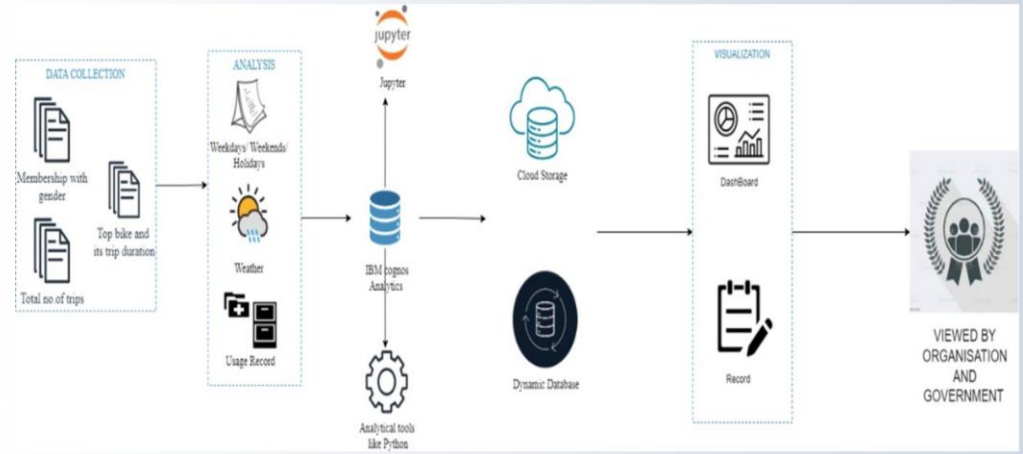
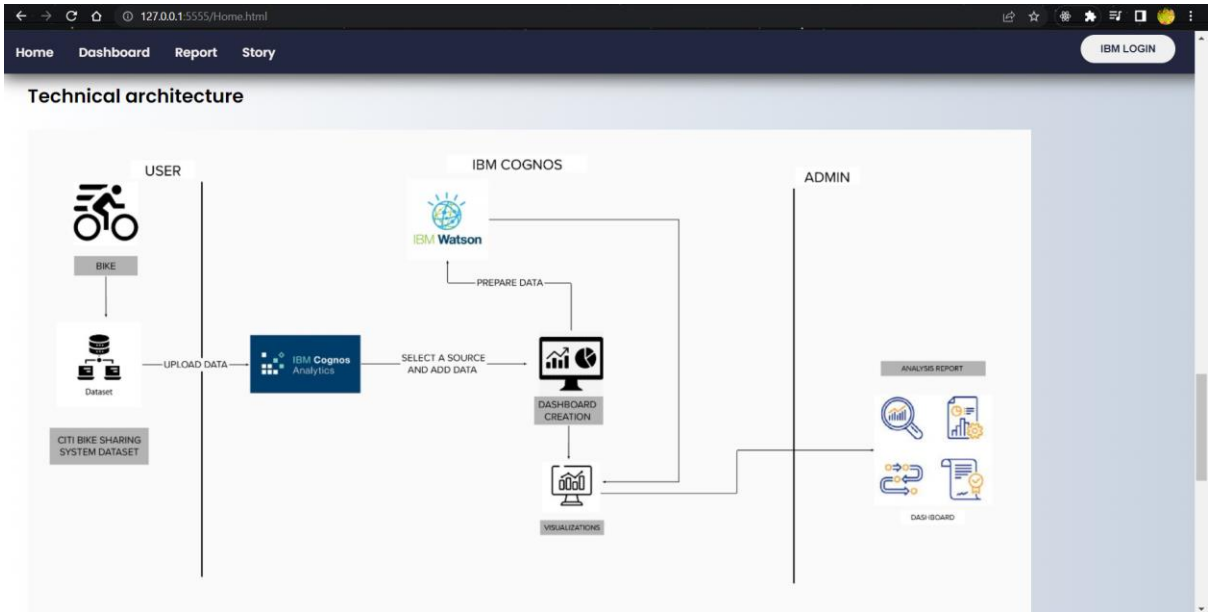
Solution architecture

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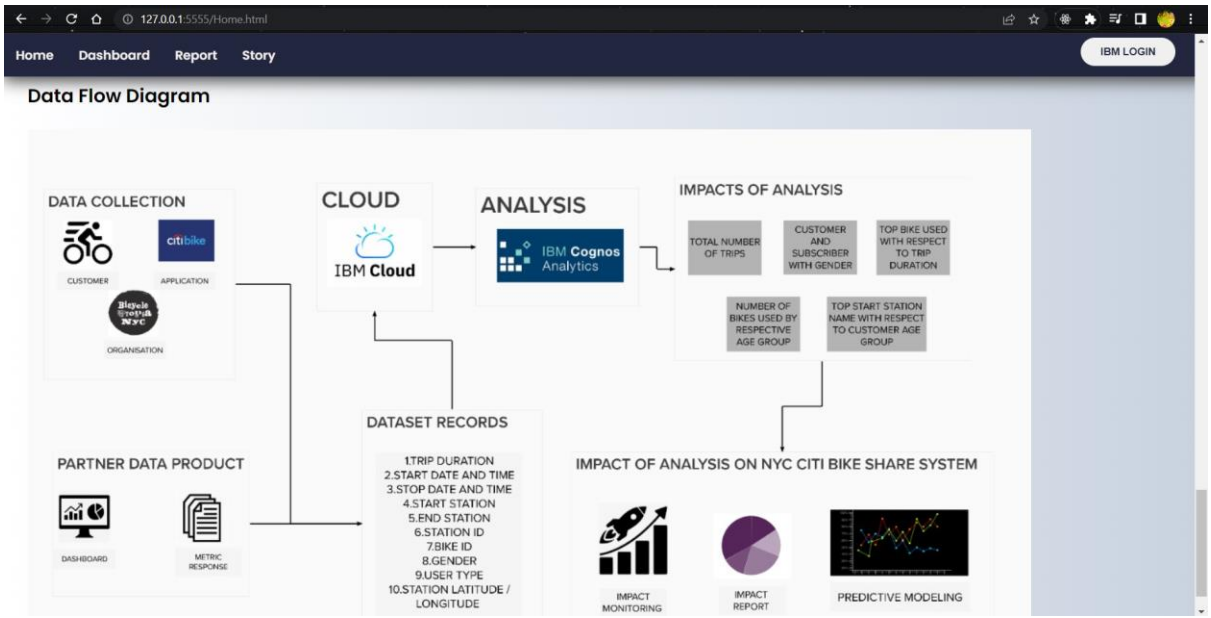
Technical architecture
USER
IBM COGNOS
ADMIN
BIKE
IBM Watson
PREPARE DATA
Dataset
UPLOAD DATA
IBM Cognos Analytics
SELECT A SOURCE AND ADD DATA
DASHBOARD CREATION
ANALYSIS REPORT
CITI BIKE SHARING SYSTEM DATASET
VISUALIZATIONS
DASHBOARD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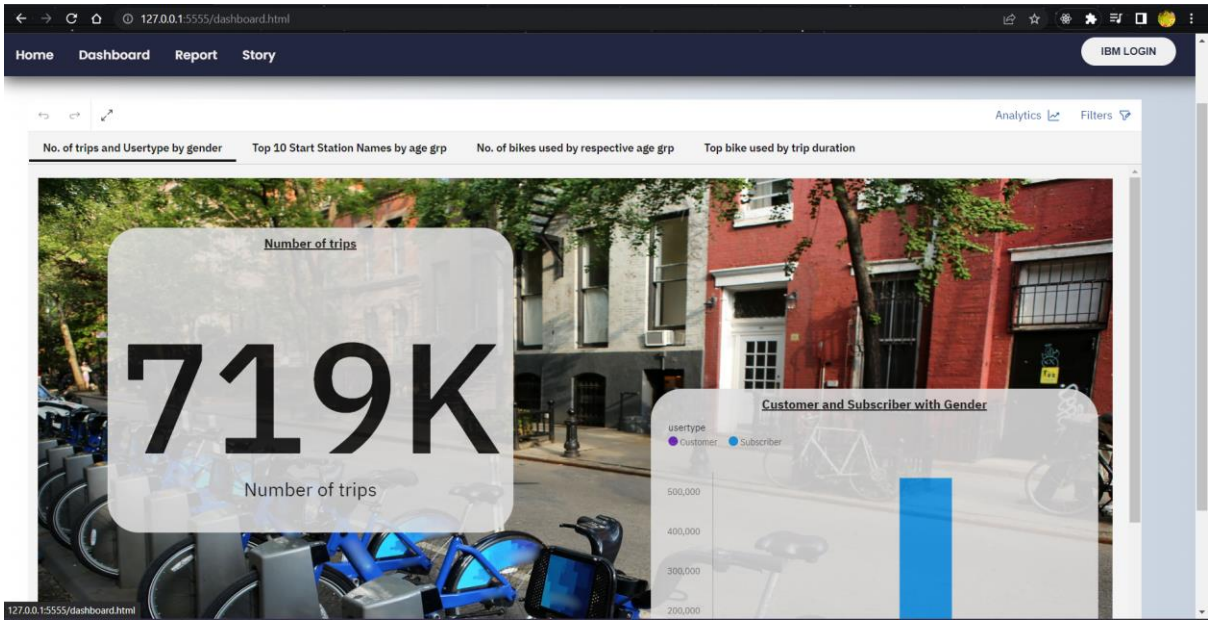
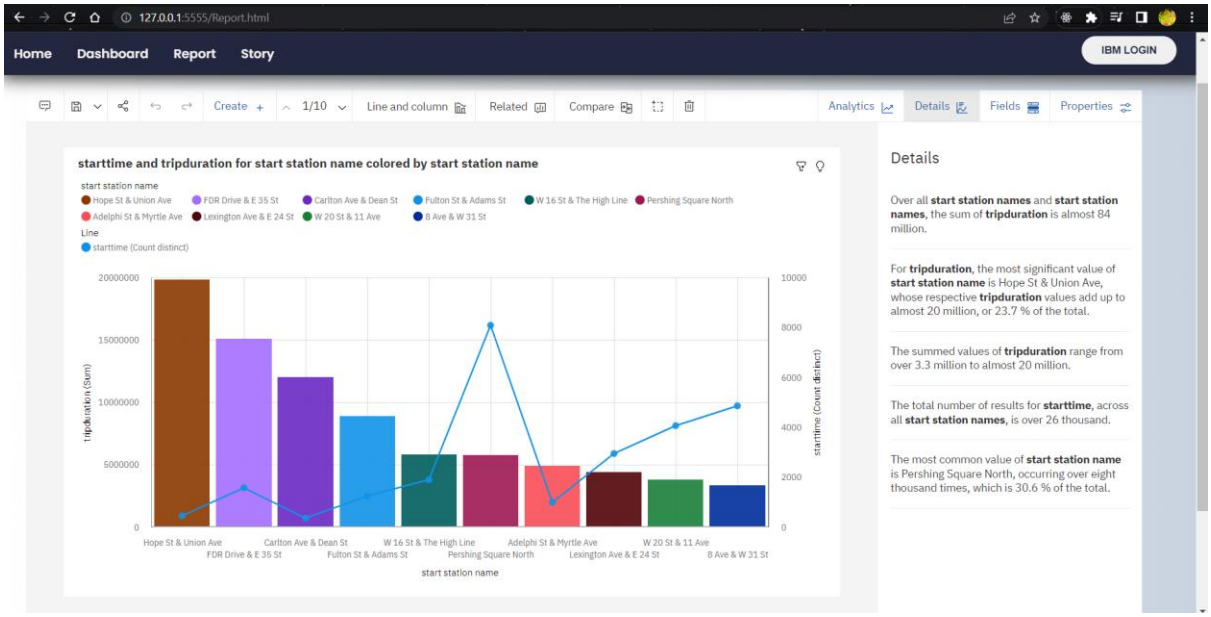
Data Flow Diagram
DATA COLLECTION
CUSTOMER
APPLICATION
ORGANISATION
CLOUD
IBM Cloud
ANALYSIS
IBM Cognos Analytics
IMPACTS OF ANALYSIS
TOTAL NUMBER OF TRIPS
CUSTOMER AND SUBSCRIBER WITH GENDER
TOP BIKE USED WITH RESPECT TO TRIP DURATION
NUMBER OF BIKES USED BY RESPECTIVE AGE GROUP
TOP START STATION NAME WITH RESPECT TO CUSTOMER AGE GROUP
DATASET RECORDS
1.TRIP DURATION
2.START DATE AND TIME
3.STOP DATE AND TIME
4.START STATION
5.END STATION
6.STATION ID
7.BIKE ID
8.GENDER
9.USER TYPE
10.STATION LATITUDE / LONGITUDE
PARTNER DATA PRODUCT
DASHBOARD
METRIC RESPONSE
IMPACT OF ANALYSIS ON NYC CITI BIKE SHARE SYSTEM
IMPACT MONITORING
IMPACT REPORT
PREDICTIVE MODELING

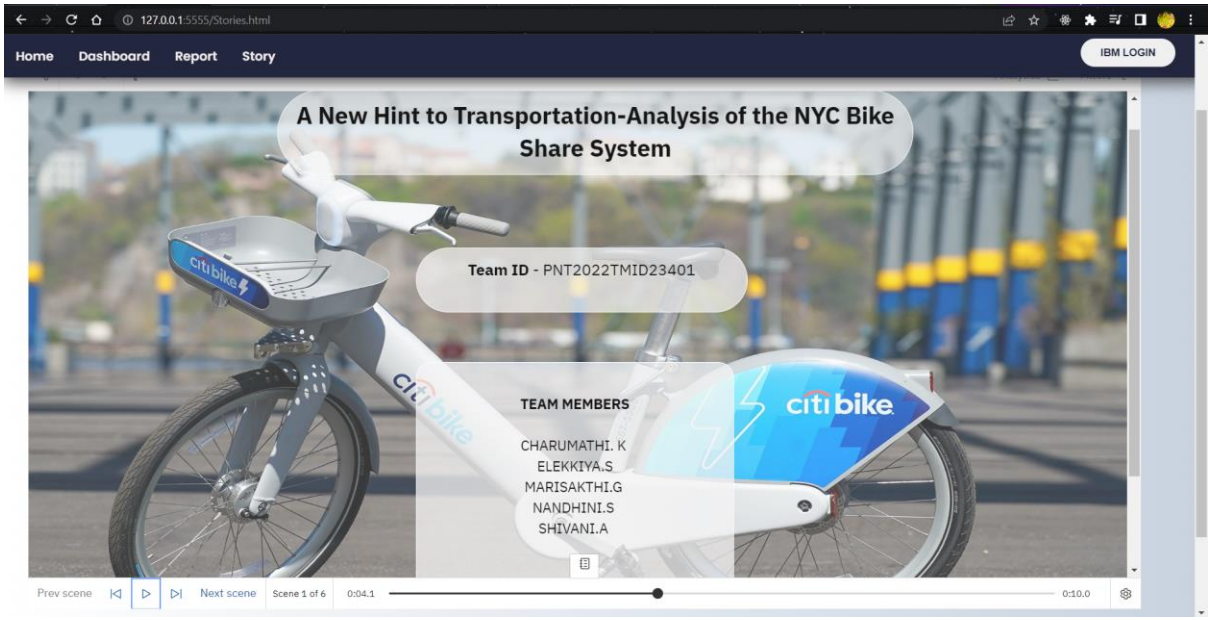
DASHBOARD PAGE:



REPORT PAGE:



STORY PAGE: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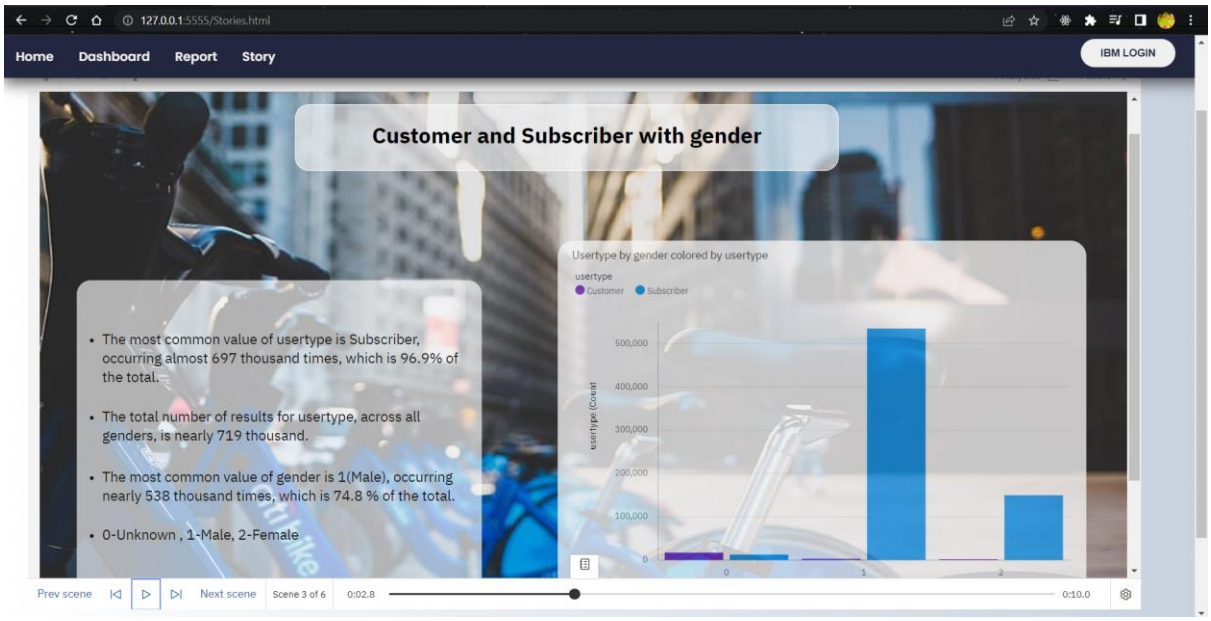
A New Hint to Transportation-Analysis of the NYC Bike Share System
Team ID - PNT2022TMID23401
TEAM MEMBERS
CHARUMATHI. K
ELEKKIYA.S
MARISAKTHI.G
NANDHINI.S
SHIVANI.A
Prev scene
Next scene
Scene 1 of 6
0:04.1
0:10.0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Customer and Subscriber with gender
• The most common value of usertype is Subscriber, occurring almost 697 thousand times, which is 96.9% of the total.
• The total number of results for usertype, across all genders, is nearly 719 thousand.
• The most common value of gender is 1(Male), occurring nearly 538 thousand times, which is 74.8 % of the total.
• 0-Unknown , 1-Male, 2-Female
Usertype by gender colored by usertype
usertype
Customer
Subscriber
usertype (Count
500,000
400,000
300,000
200,000
100,000
0
0
1
2
Prev scene
Next scene
Scene 3 of 6
0:02.8
0:10.0