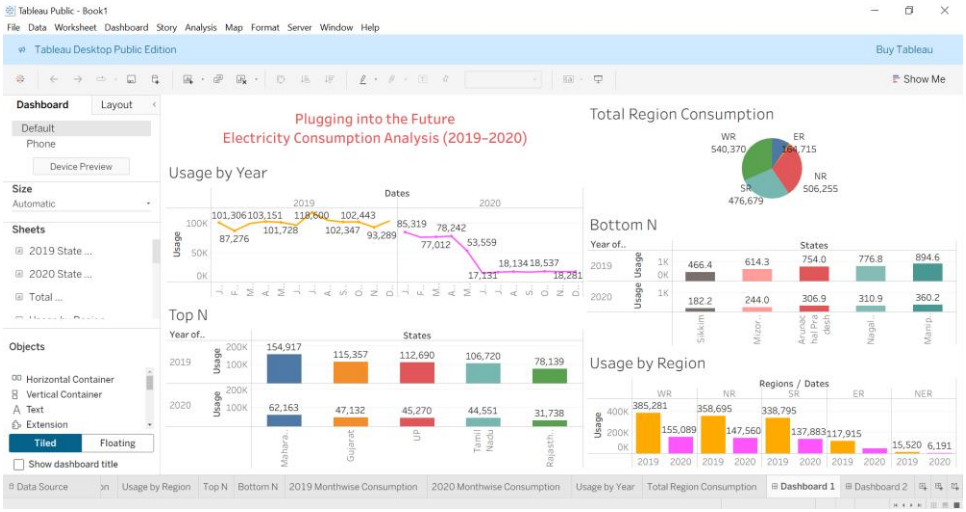
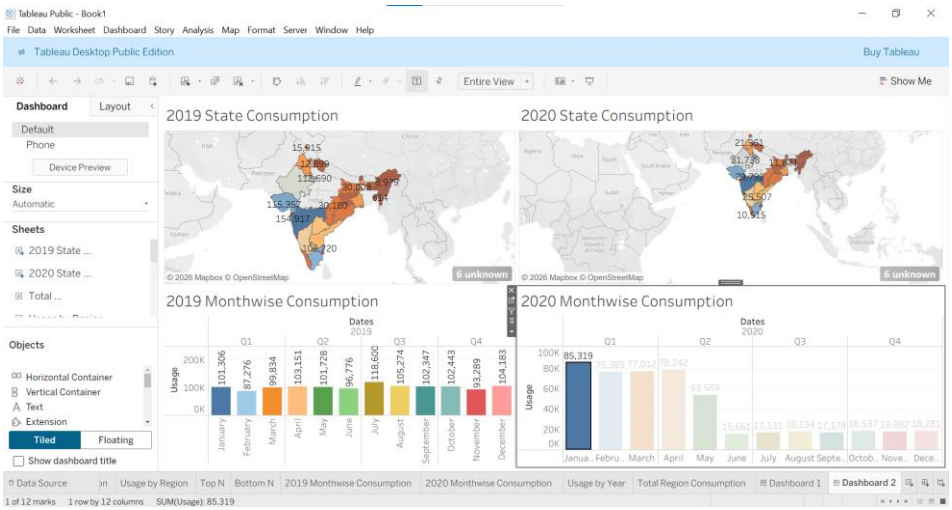
Project Development Phase

Date	22 February 2026
Team ID	LTVIP2026TMIDS35954
Title	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau

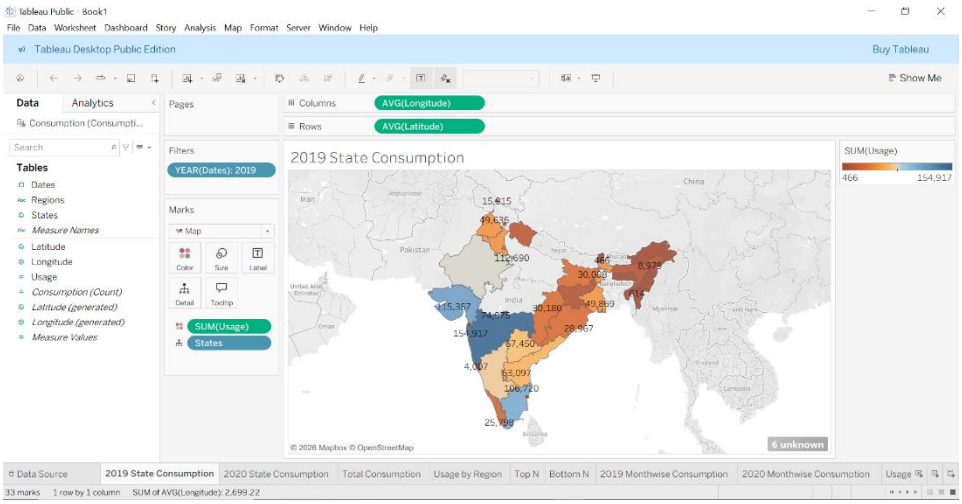
Dashboard Screenshots:



Dashboard 2:



Story: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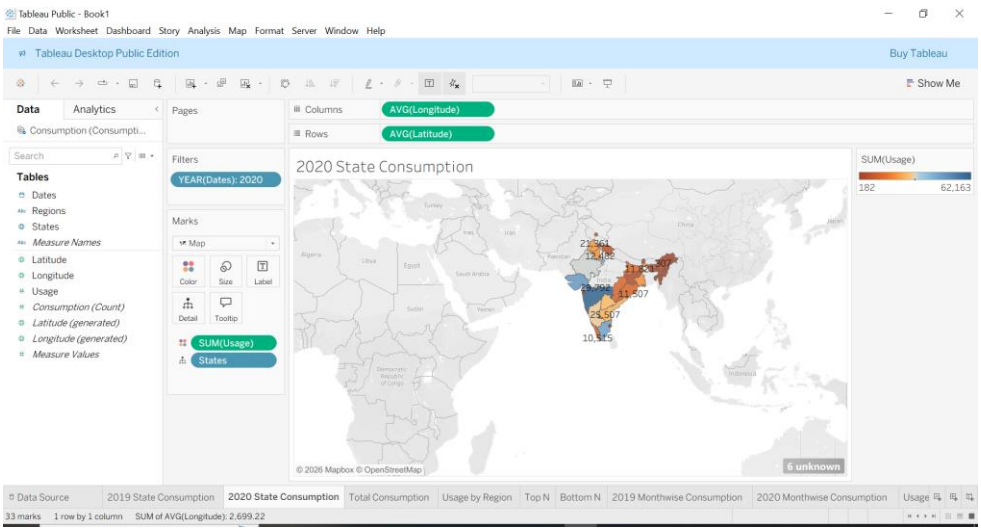
Data
Analytics
Pages
Columns
AVG(Longitude)
Rows
AVG(Latitude)
Filters
YEAR(Dates): 2019
Marks
Map
SUM(Usage)
States
2019 State Consumption
SUM(Usage)
466
154,917
6 unknown
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
33 marks
1 row by 1 column
SUM of AVG(Longitude): 2,699.22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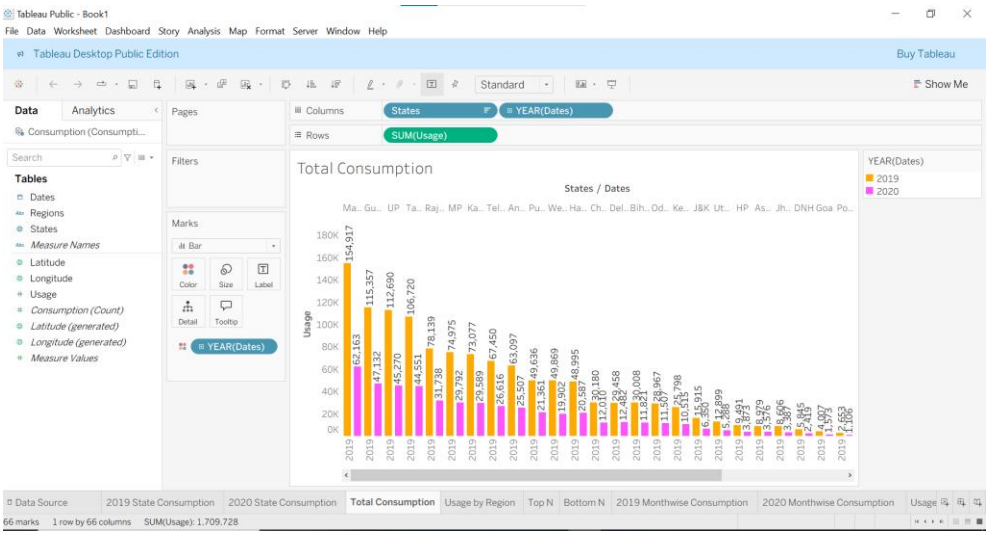
Pages
Columns
AVG(Longitude)
Rows
AVG(Latitude)
Filters
YEAR(Dates): 2020
Marks
Map
SUM(Usage)
States
2020 State Consumption
SUM(Usage)
182
62,163
6 unknown
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
33 marks
1 row by 1 column
SUM of AVG(Longitude): 2,699.22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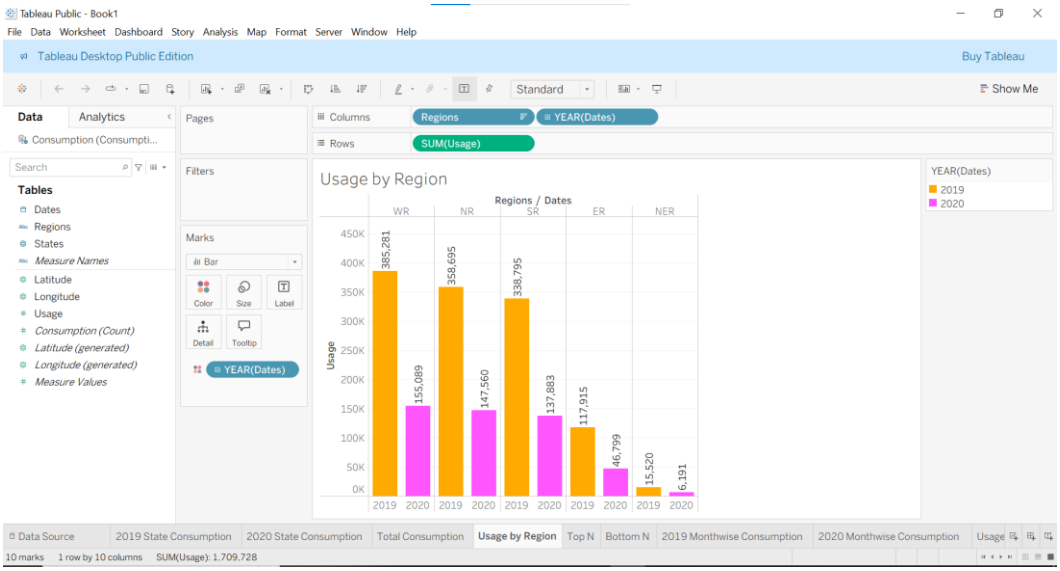
Columns
States
YEAR(Dates)
Rows
SUM(Usage)
Filters
Marks
Bar
YEAR(Dates)
Total Consumption
States / Dates
YEAR(Dates)
2019
2020
Usage
180K
160K
140K
120K
100K
80K
60K
40K
20K
0K
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
66 marks
1 row by 66 columns
SUM(Usage): 1,709,728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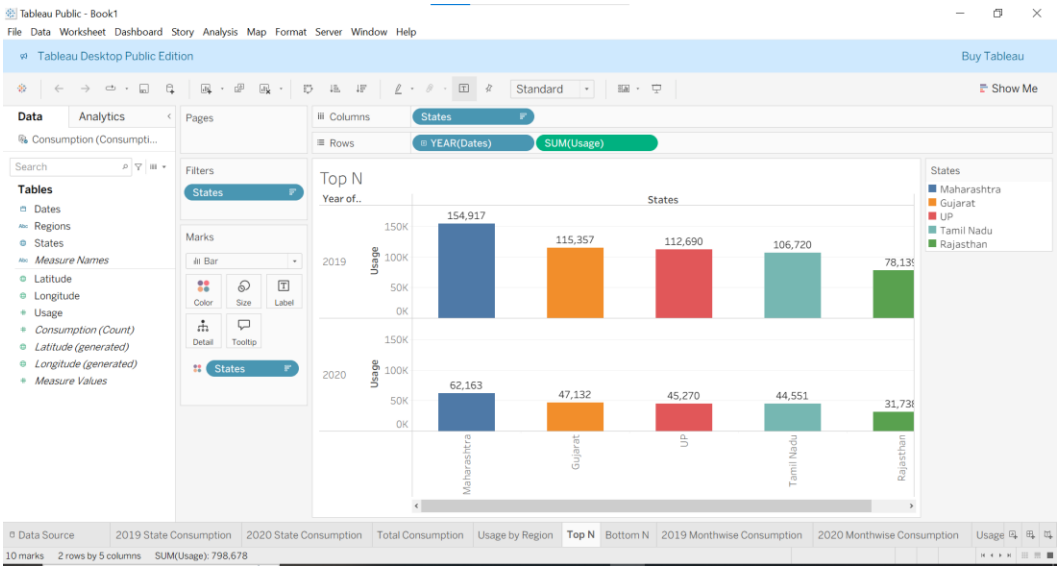
Columns
Regions
YEAR(Dates)
Rows
SUM(Usage)
Filters
Marks
Bar
Color
Size
Label
Detail
Tooltip
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Usage by Region
Regions / Dates
WR
NR
SR
ER
NER
Usage
385,281
155,089
358,695
147,560
338,795
137,883
117,915
46,799
15,520
6,191
2019
2020
YEAR(Dates)
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
10 marks
1 row by 10 columns
SUM(Usage): 1,709,728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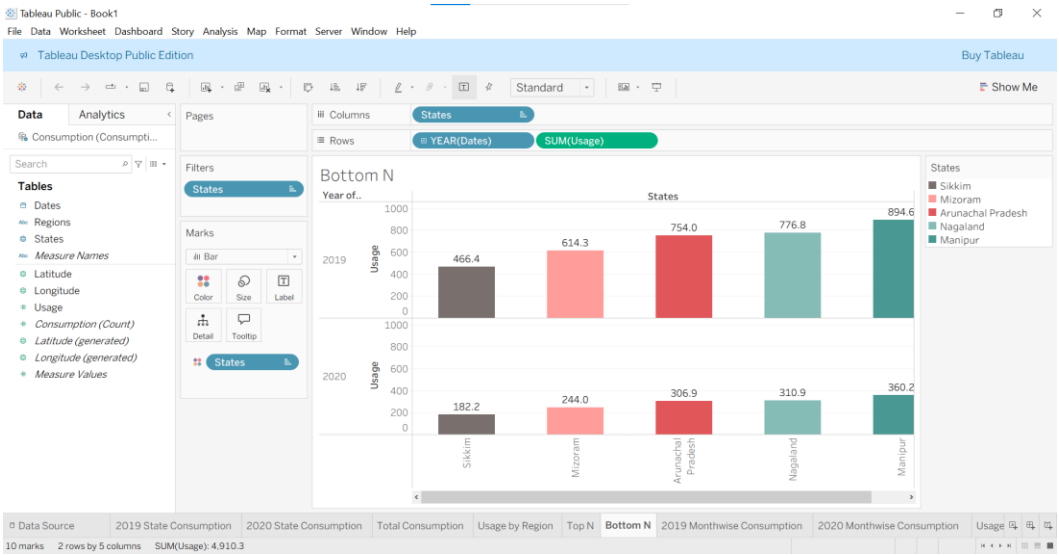
Rows
YEAR(Dates)
SUM(Usage)
Filters
States
Marks
Bar
Color
Size
Label
Detail
Tooltip
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Top N
Year of..
States
2019
2020
Usage
154,917
115,357
112,690
106,720
78,13
62,163
47,132
45,270
44,551
31,73
Maharashtra
Gujarat
UP
Tamil Nadu
Rajasthan
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
10 marks
2 rows by 5 columns
SUM(Usage): 798,678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Rows
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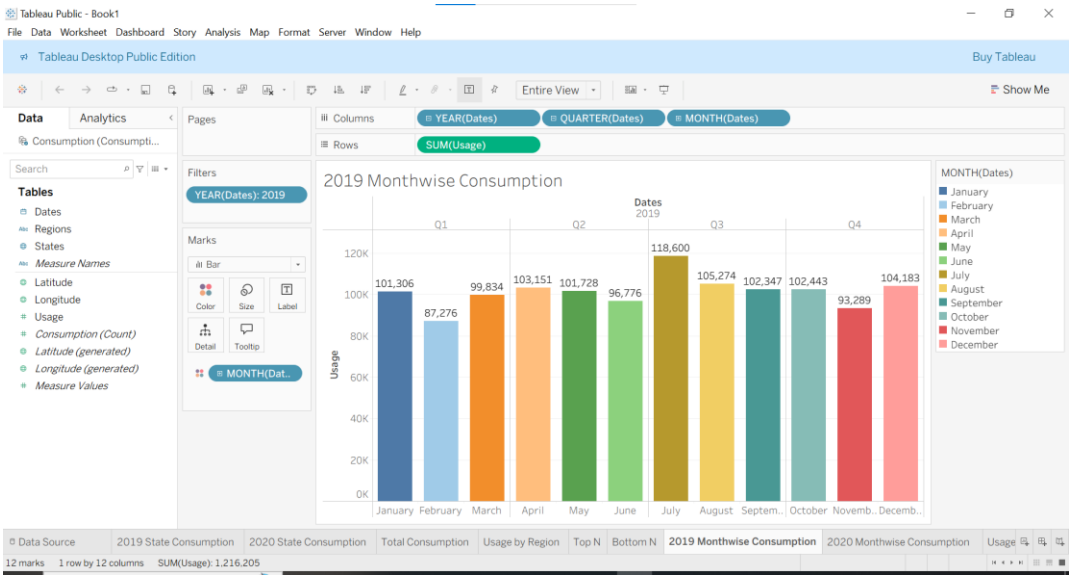
States
Marks
Bar
Color
Size
Label
Detail
Tooltip
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Bottom N
Year of..
States
2019
2020
Usage
466.4
614.3
754.0
776.8
894.6
182.2
244.0
306.9
310.9
360.2
Sikkim
Mizoram
Arunachal Pradesh
Nagaland
Manipur
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
10 marks
2 rows by 5 columns
SUM(Usage): 4,910.3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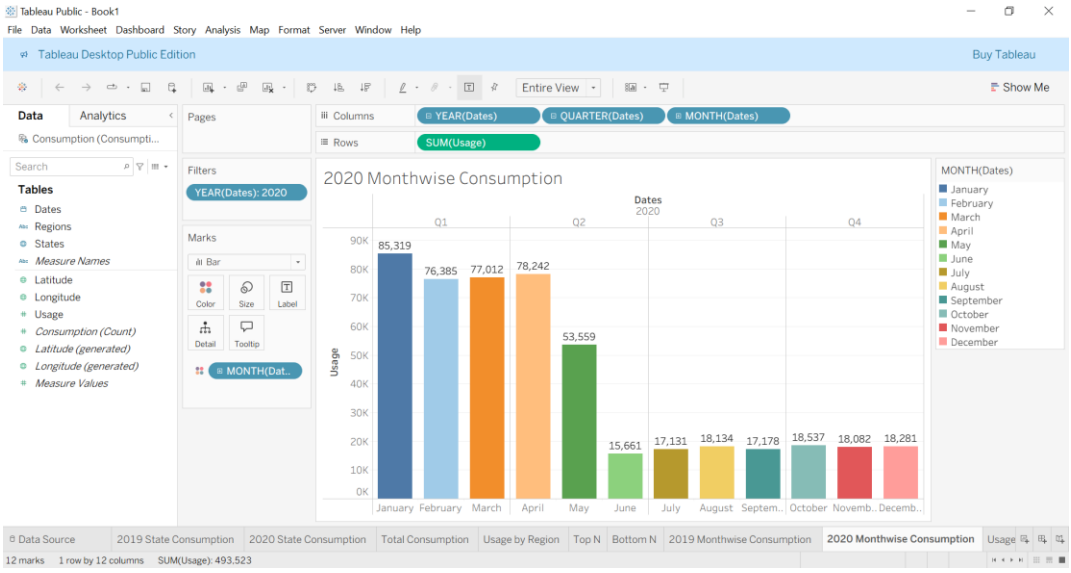
QUARTER(Dates)
MONTH(Dates)
Rows
SUM(Usage)
Filters
YEAR(Dates): 2019
Marks
Bar
Color
Size
Label
Detail
Tooltip
MONTH(Dat..
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
2019 Monthwise Consumption
Dates
2019
Q1
Q2
Q3
Q4
Usage
120K
100K
80K
60K
40K
20K
0K
101,306
87,276
99,834
103,151
101,728
96,776
118,600
105,274
102,347
102,443
93,289
104,183
January
February
March
April
May
June
July
August
Septem..
October
Novemb..
Decemb..
MONTH(Dates)
January
February
March
April
May
June
July
August
September
October
November
December
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
Usage
12 marks
1 row by 12 columns
SUM(Usage): 1,216,205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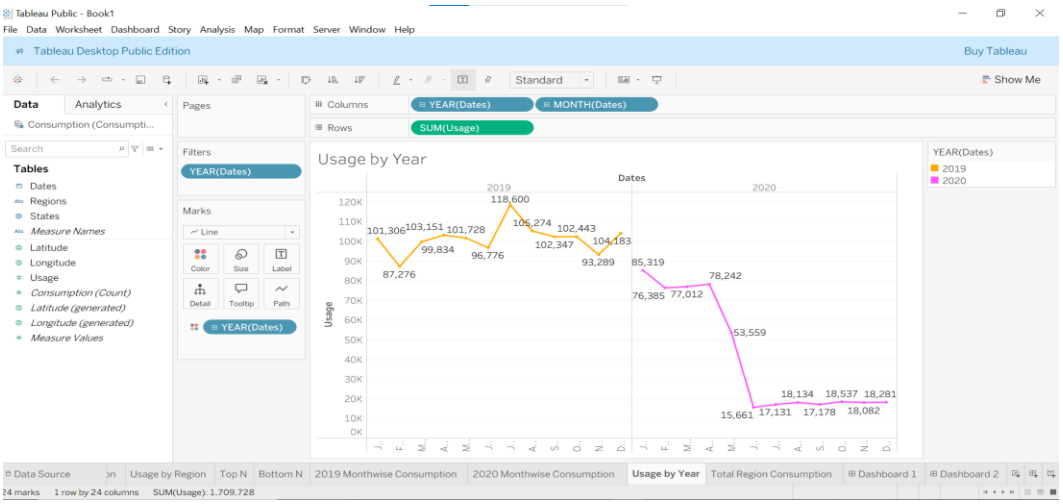
Pages
Columns
YEAR(Dates)
QUARTER(Dates)
MONTH(Dates)
Rows
SUM(Usage)
Filters
YEAR(Dates): 2020
Marks
Bar
Color
Size
Label
Detail
Tooltip
MONTH(Dat..
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
2020 Monthwise Consumption
Dates
2020
Q1
Q2
Q3
Q4
Usage
90K
80K
70K
60K
50K
40K
30K
20K
10K
0K
85,319
76,385
77,012
78,242
53,559
15,661
17,131
18,134
17,178
18,537
18,082
18,281
January
February
March
April
May
June
July
August
Septem..
October
Novemb..
Decemb..
MONTH(Dates)
January
February
March
April
May
June
July
August
September
October
November
December
Data Source
2019 State Consumption
2020 State Consumption
Total Consumption
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
Usage
12 marks
1 row by 12 columns
SUM(Usage): 493,523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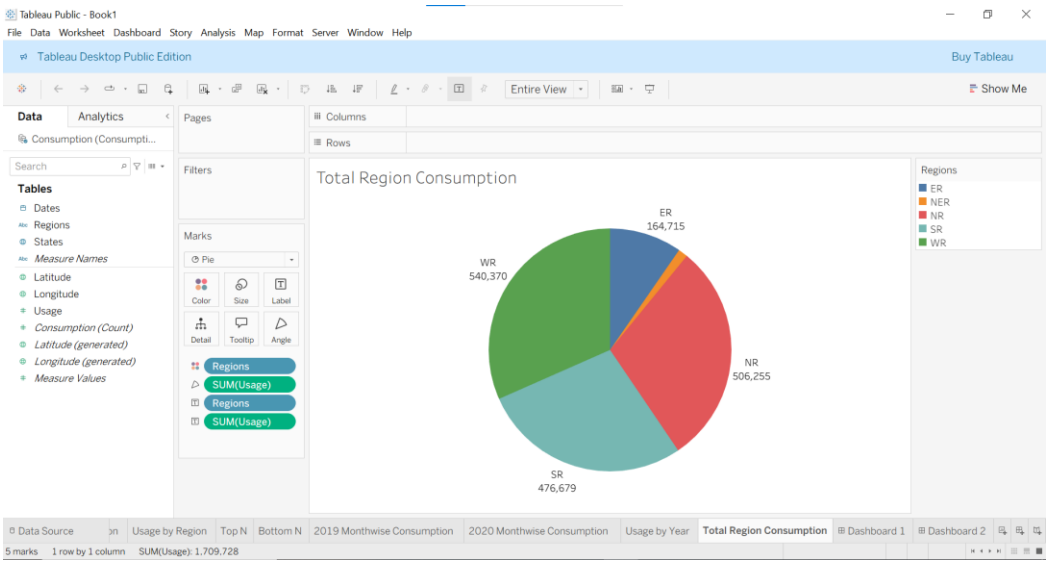
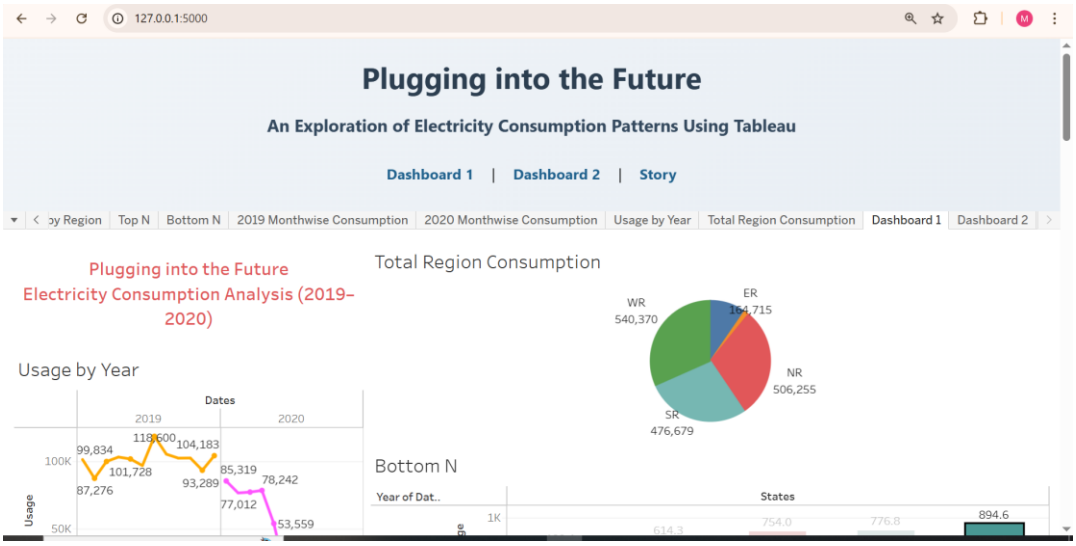
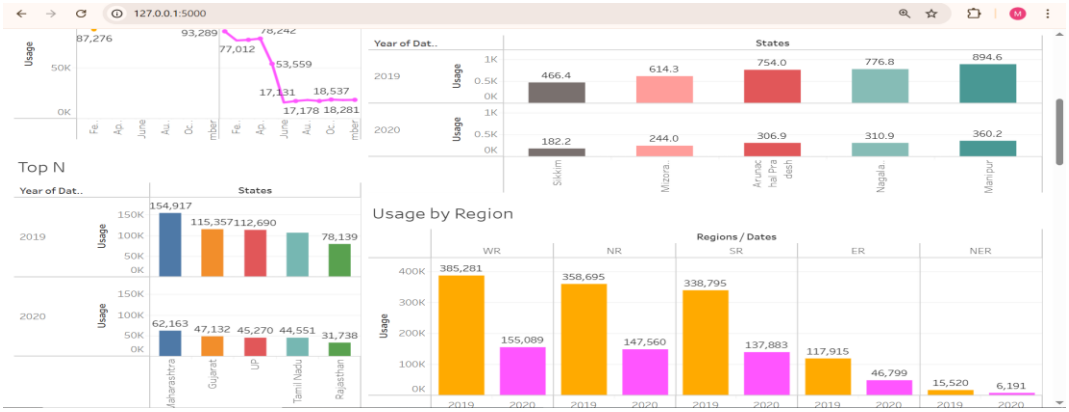
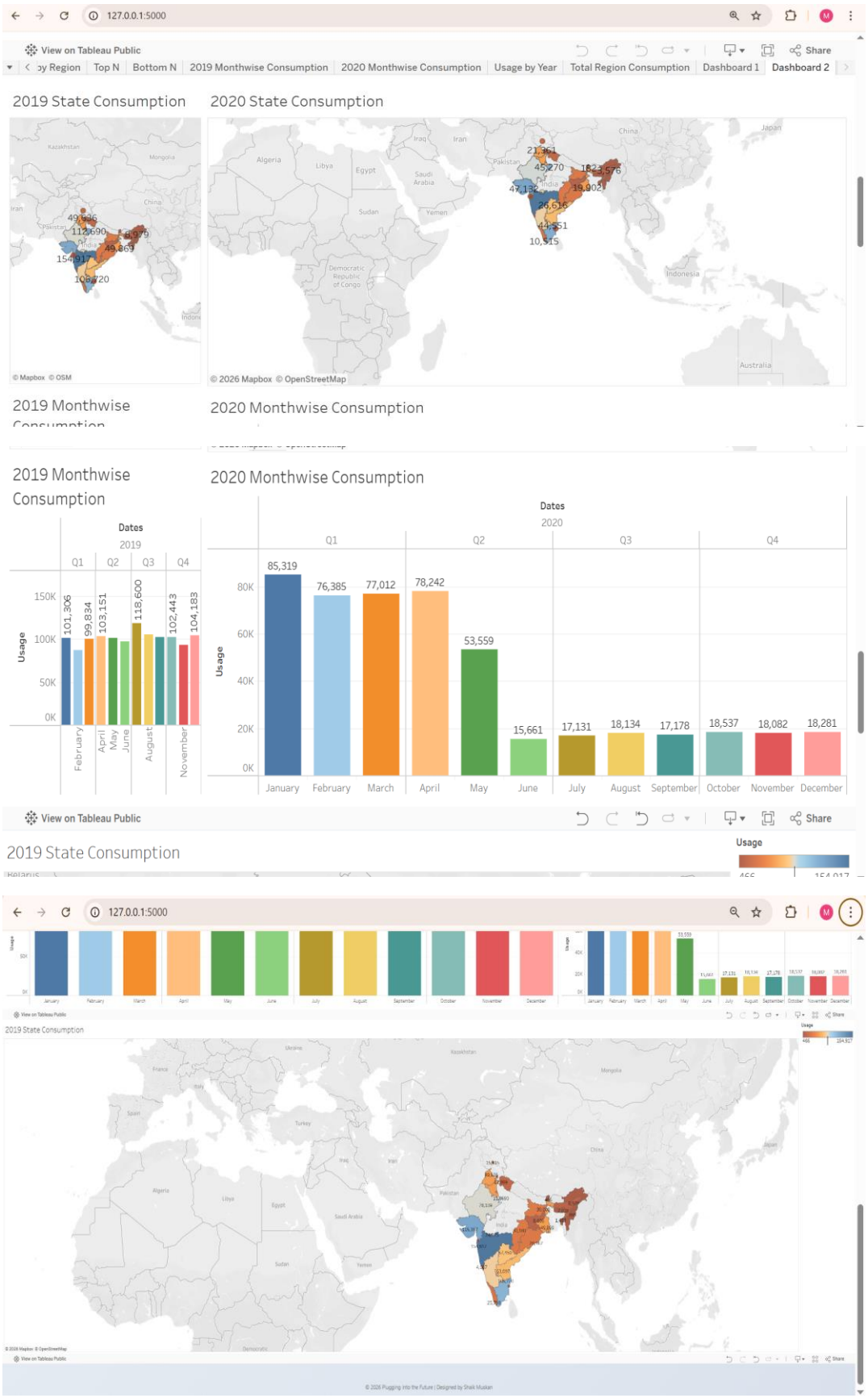
Analytics
Pages
Columns
YEAR(Dates)
MONTH(Dates)
Rows
SUM(Usage)
Filters
YEAR(Dates)
Marks
Line
Color
Size
Label
Detail
Tooltip
Path
YEAR(Dates)
Tables
Dates
Regions
States
Measure Names
Latitude
Longitude
Usage
Consumption (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Usage by Year
Dates
2019
2020
Usage
120K
110K
100K
90K
80K
70K
60K
50K
40K
30K
20K
10K
0K
101,306
103,151
99,834
101,728
96,776
118,600
105,274
102,347
102,443
104,183
93,289
87,276
85,319
76,385
77,012
78,242
53,559
15,661
17,131
17,178
18,134
18,537
18,082
18,281
YEAR(Dates)
2019
2020
Data Source
Usage by Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
Usage by Year
Total Region Consumption
Dashboard 1
Dashboard 2
24 marks
1 row by 24 columns
SUM(Usage): 1,709,728



Web Integration Screenshots:






127.0.0.1:5000
View on Tableau Public
Share
oy Region
Top N
Bottom N
2019 Monthwise Consumption
2020 Monthwise Consumption
Usage by Year
Total Region Consumption
Dashboard 1
Dashboard 2
2019 State Consumption
2020 State Consumption
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2019 Monthwise Consumption
2020 Monthwise Consumption
Dates
2019
Q1
Q2
Q3
Q4
Usage
150K
100K
50K
0K
101,306
99,834
103,151
118,600
102,443
104,183
February
April
May
June
August
November
Dates
2020
80K
60K
40K
20K
85,319
76,385
77,012
78,242
53,559
15,661
17,131
18,134
17,178
18,537
18,082
18,281
January
February
March
April
May
June
July
August
September
October
November
December
View on Tableau Public
Share
2019 State Consumption
Usage
127.0.0.1:5000