Assignment no: 8

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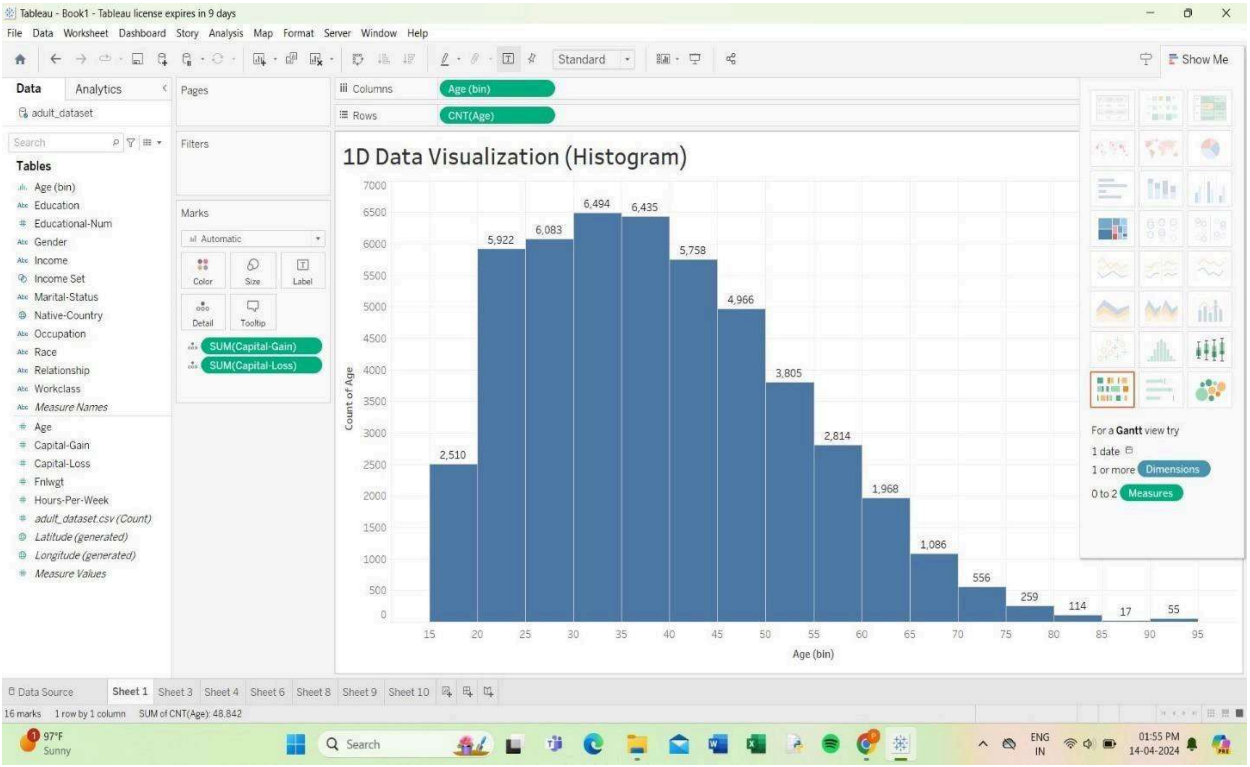
Roll no: 35026
Batch: B

Title: Perform the following data visualization operations using Tableau on Adult and Iris datasets. 1) 1D (Linear) Data visualization
2) 2D (Planar) Data Visualization
3) 3D (Volumetric) Data Visualization
4) Temporal Data Visualization
5) Multidimensional Data Visualization
6) Tree/ Hierarchical Data visualization
7) Network Data visualization

1) Adult Dataset



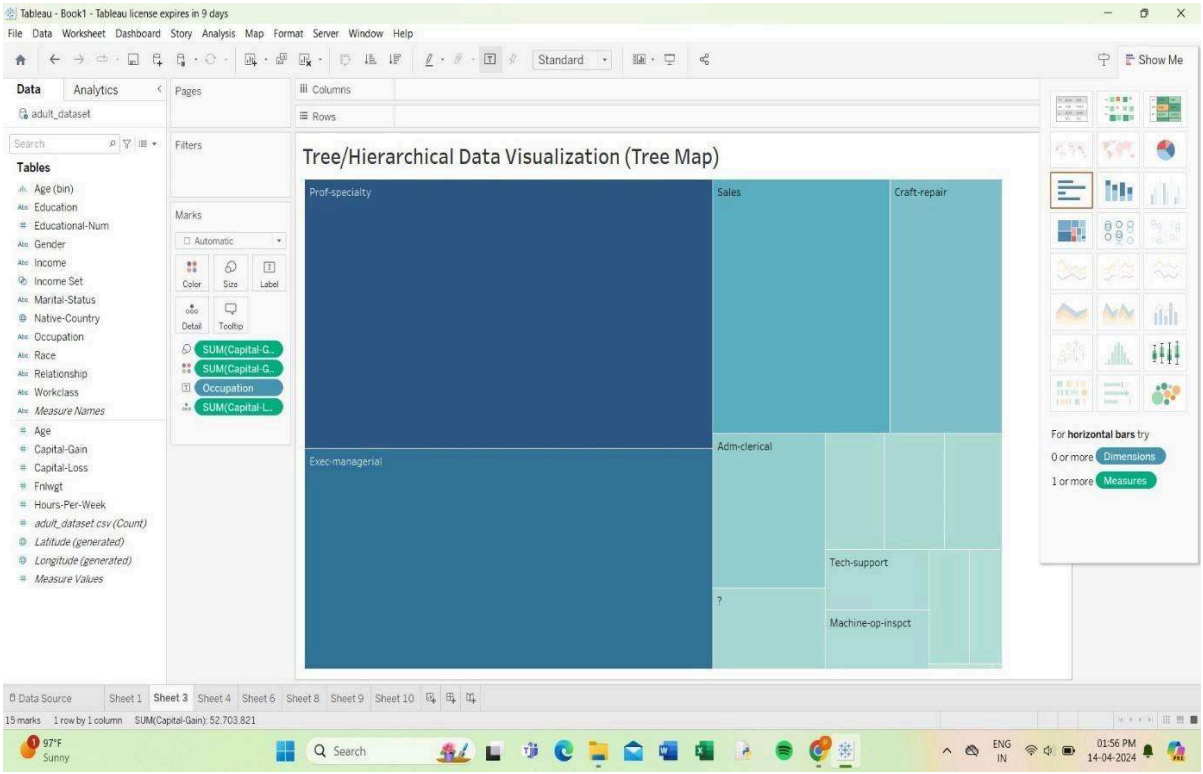


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
adult_dataset
Search
Tables
Age (bin)
Education
Educational-Num
Gender
Income
Income Set
Marital-Status
Native-Country
Occupation
Race
Relationship
Workclass
Measure Names
Age
Capital-Gain
Capital-Loss
Fnlwgt
Hours-Per-Week
adult_dataset.csv (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Capital-G..
SUM(Capital-G..
Occupation
SUM(Capital-L..
Columns
Rows
Tree/Hierarchical Data Visualization (Tree Map)
Prof-specialty
Sales
Craft-repair
Exec-managerial
Adm-clerical
Tech-support
?
Machine-op-inspct
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 3
Sheet 4
Sheet 6
Sheet 8
Sheet 9
Sheet 10
15 marks
1 row by 1 column
SUM(Capital-Gain): 52,703,821
97°F
Sunny
Search
ENG
IN
01:56 PM
14-04-2024

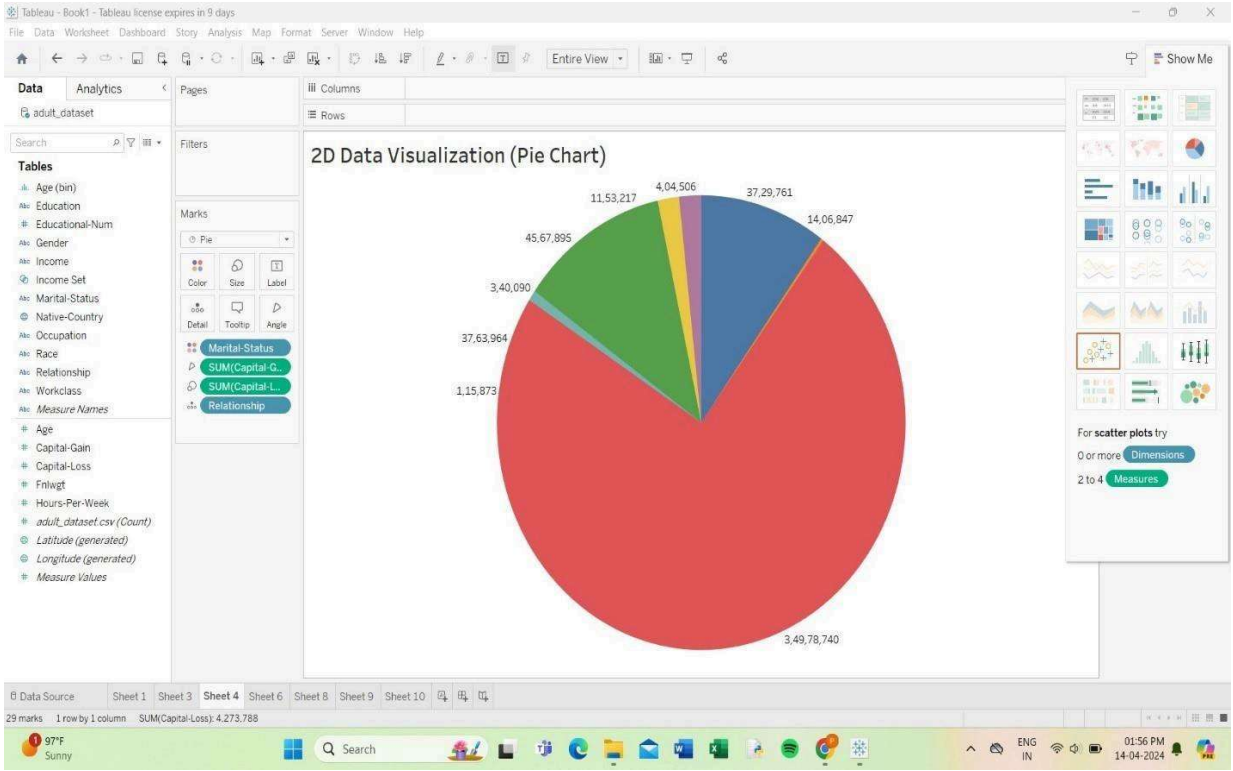


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
adult_dataset
Search
Tables
Age (bin)
Education
Educational-Num
Gender
Income
Income Set
Marital-Status
Native-Country
Occupation
Race
Relationship
Workclass
Measure Names
Age
Capital-Gain
Capital-Loss
Fnlwgt
Hours-Per-Week
adult_dataset.csv (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
Marital-Status
SUM(Capital-G..
SUM(Capital-L..
Relationship
Columns
Rows
2D Data Visualization (Pie Chart)
4,04,506
11,53,217
37,29,761
14,06,847
45,67,895
3,40,090
37,63,964
1,15,873
3,49,78,740
For scatter plots try
0 or more Dimensions
2 to 4 Measures
Data Source
Sheet 1
Sheet 3
Sheet 4
Sheet 6
Sheet 8
Sheet 9
Sheet 10
29 marks
1 row by 1 column
SUM(Capital-Loss): 4,273,788
97°F
Sunny
Search
ENG
IN
01:56 PM
14-04-2024

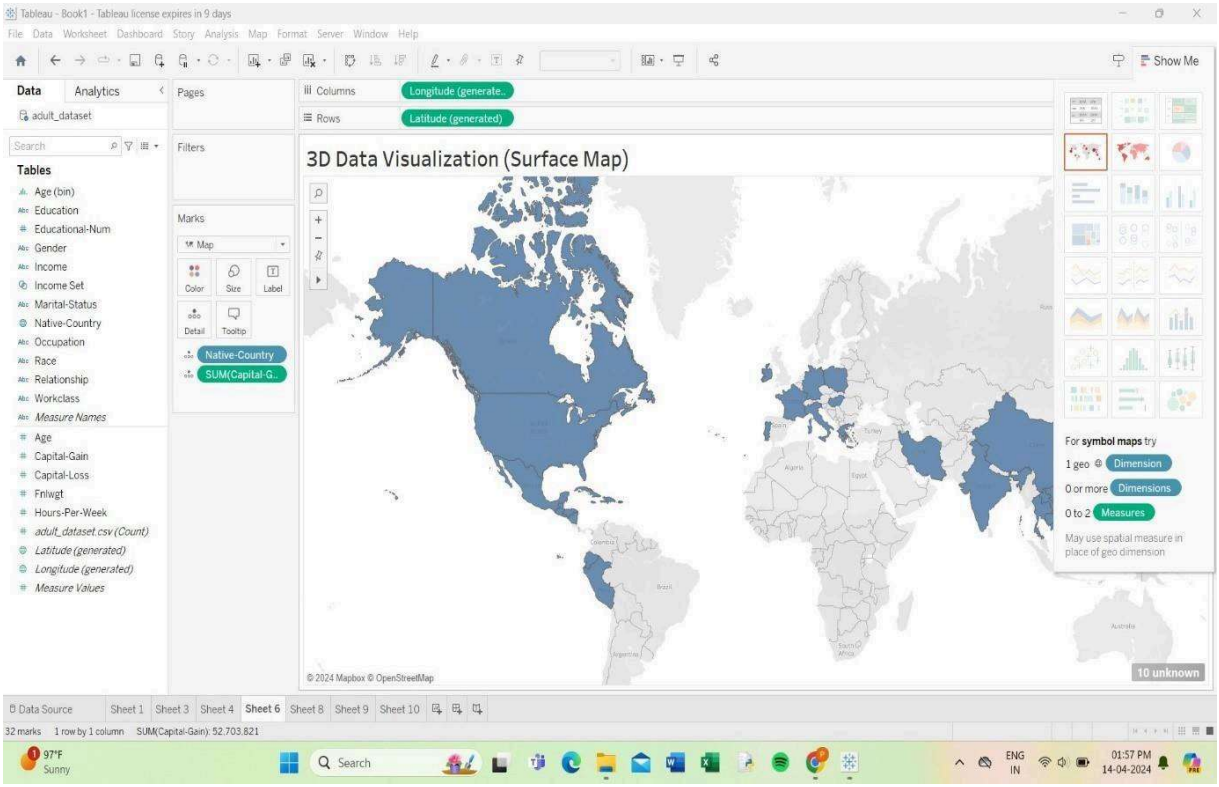


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data
Analytics
adult_dataset
Search
Tables
Age (bin)
Education
Educational-Num
Gender
Income
Income Set
Marital-Status
Native-Country
Occupation
Race
Relationship
Workclass
Measure Names
Age
Capital-Gain
Capital-Loss
Fnlwgt
Hours-Per-Week
adult_dataset.csv (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Marks
Map
Color
Size
Label
Detail
Tooltip
Native-Country
SUM(Capital-G..
Columns
Longitude (generate..
Rows
Latitude (generated)
3D Data Visualization (Surface Map)
For symbol maps try
1 geo Dimension
0 or more Dimensions
0 to 2 Measures
May use spatial measure in place of geo dimension
© 2024 Mapbox © OpenStreetMap
10 unknown
Data Source
Sheet 1
Sheet 3
Sheet 4
Sheet 6
Sheet 8
Sheet 9
Sheet 10
32 marks
1 row by 1 column
SUM(Capital-Gain): 52,703,821
97°F
Sunny
Search
ENG
IN
01:57 PM
14-04-2024

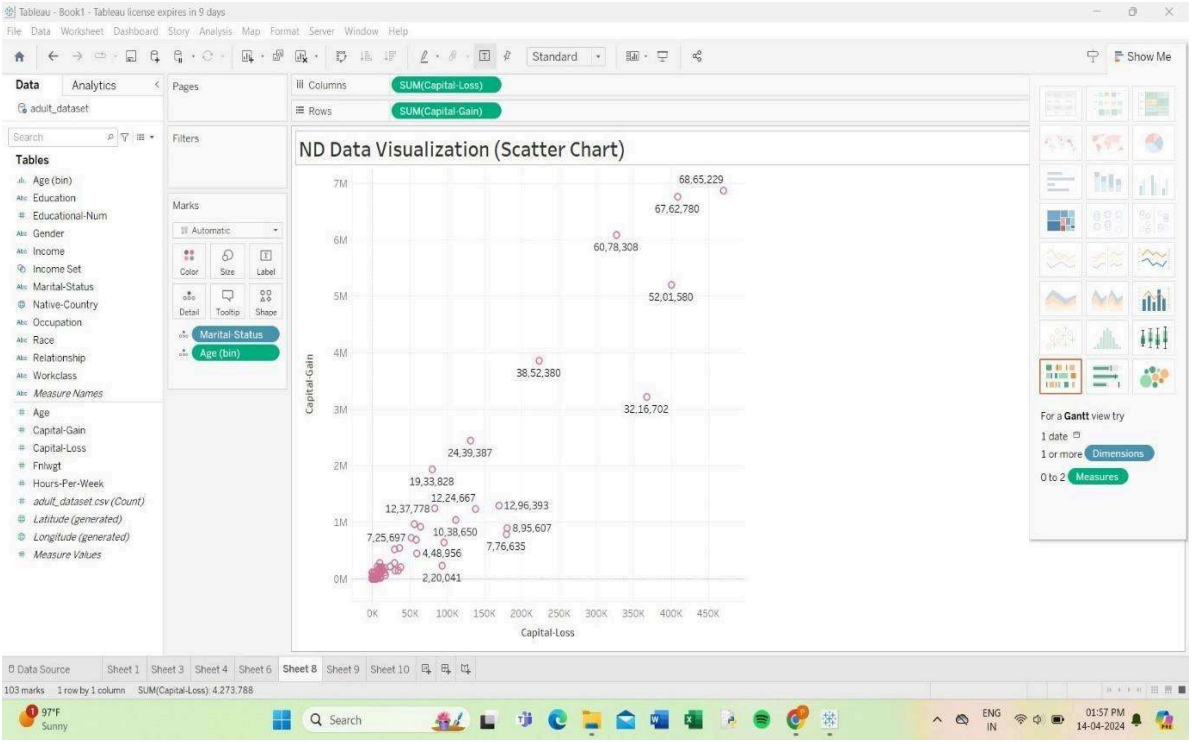
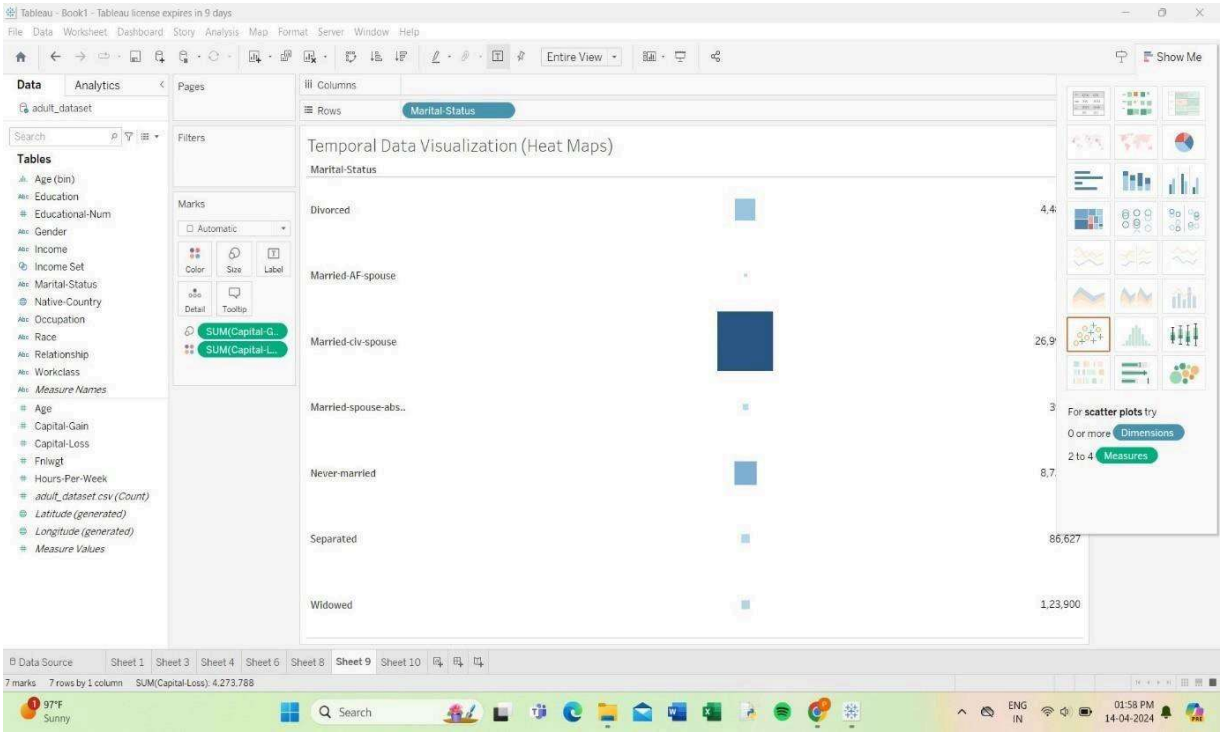
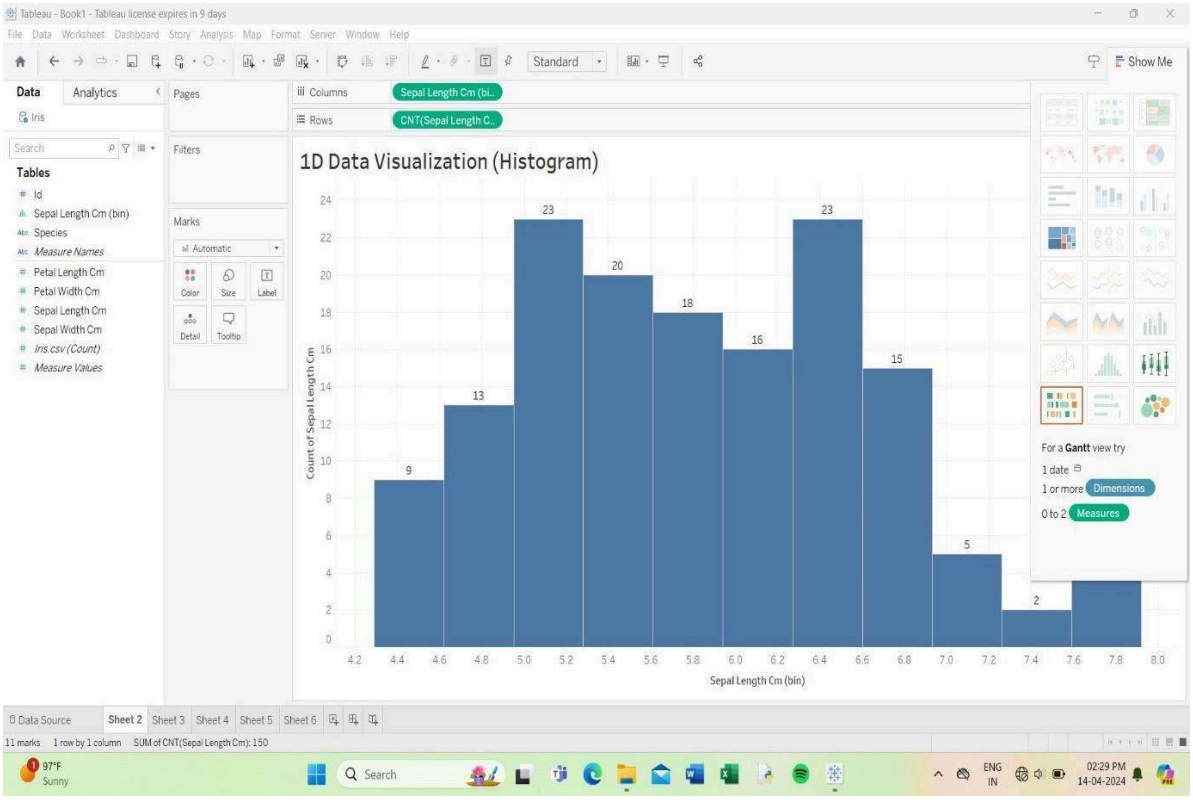


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
adult_dataset
Search
Tables
Age (bin)
Education
Educational-Num
Gender
Income
Income Set
Marital-Status
Native-Country
Occupation
Race
Relationship
Workclass
Measure Names
Age
Capital-Gain
Capital-Loss
Fnlwgt
Hours-Per-Week
adult_dataset.csv (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
Marital-Status
Age (bin)
Columns
SUM(Capital-Loss)
Rows
SUM(Capital-Gain)
ND Data Visualization (Scatter Chart)
Capital-Gain
Capital-Loss
7M
6M
5M
4M
3M
2M
1M
0M
0K
50K
100K
150K
200K
250K
300K
350K
400K
450K
68,65,229
67,62,780
60,78,308
52,01,580
38,52,380
32,16,702
24,39,387
19,33,828
12,24,667
12,37,778
12,96,393
10,38,650
8,95,607
7,25,697
7,76,635
4,48,956
2,20,041
For a Gantt view try
1 date
1 or more Dimensions
0 to 2 Measures
Data Source
Sheet 1
Sheet 3
Sheet 4
Sheet 6
Sheet 8
Sheet 9
Sheet 10
103 marks
1 row by 1 column
SUM(Capital-Loss): 4,273,788
97°F
Sunny
Search
ENG
IN
01:57 PM
14-04-2024



2) Iris Dataset



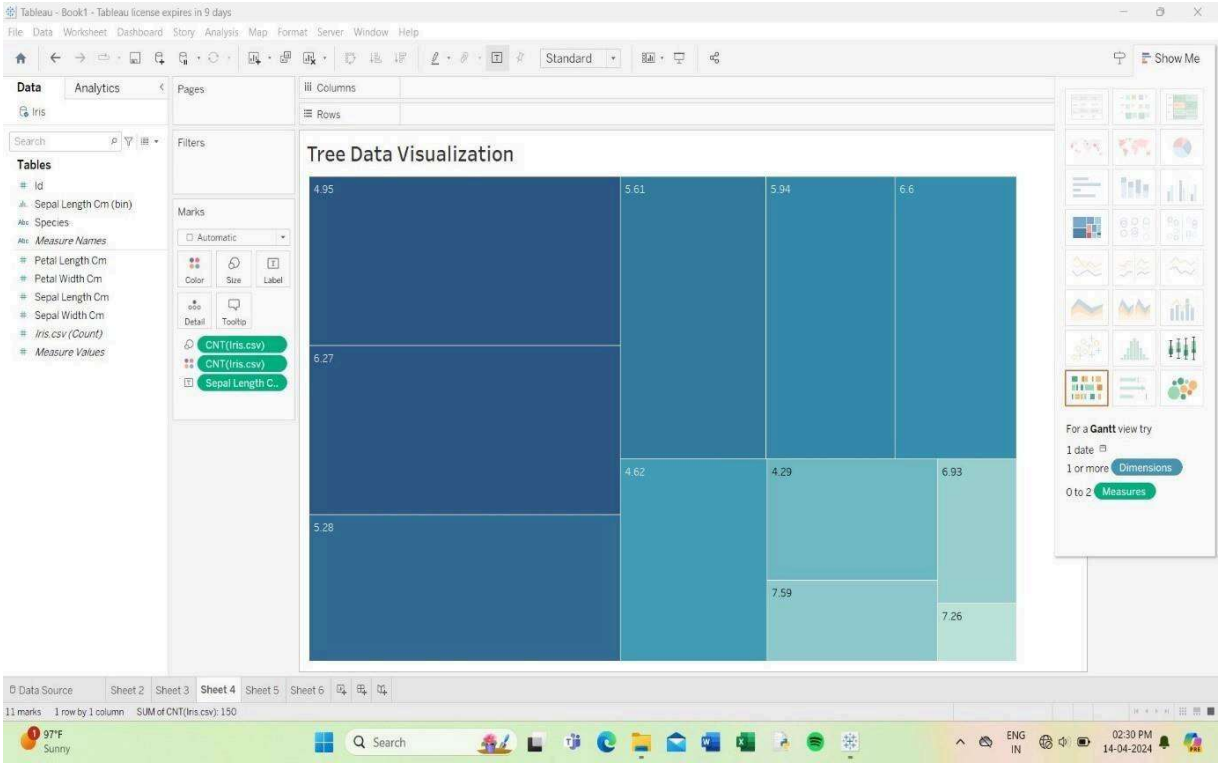


Tableau - Book1 - Tableau license expires in 9 days
Tree Data Visualization
4.95
5.61
5.94
6.6
6.27
4.62
4.29
6.93
5.28
7.59
7.26
CNT(Iris.csv)
CNT(Iris.csv)
Sepal Length C..
For a Gantt view try
1 date
1 or more Dimensions
0 to 2 Measures
Data Source
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
11 marks 1 row by 1 column SUM of CNT(Iris.csv): 150

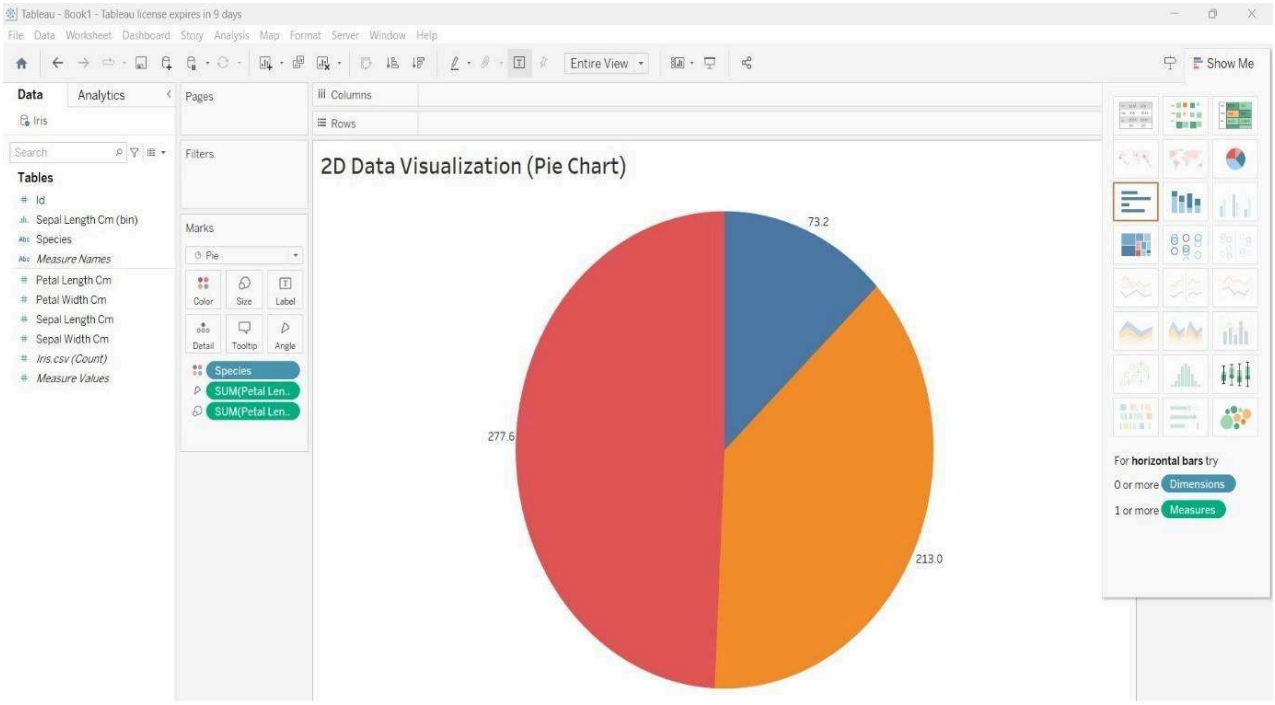


Tableau - Book1 - Tableau license expires in 9 days
2D Data Visualization (Pie Chart)
73.2
277.6
213.0
Species
SUM(Petal Len..
SUM(Petal Len..
For horizontal bars try
0 or more Dimensions
1 or more Measures

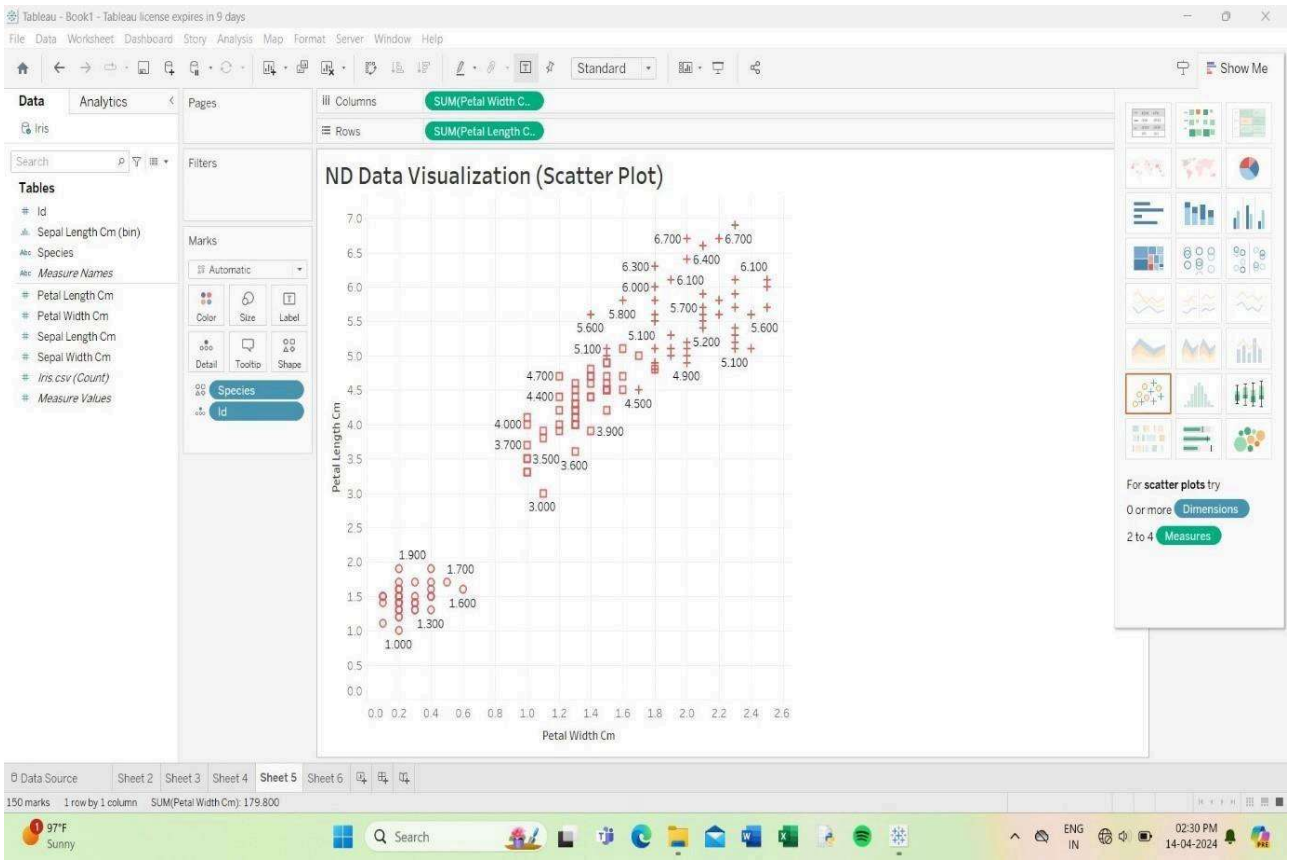


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Iris
Search
Tables
Id
Sepal Length Cm (bin)
Species
Measure Names
Petal Length Cm
Petal Width Cm
Sepal Length Cm
Sepal Width Cm
Iris.csv (Count)
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
Species
Id
Columns
SUM(Petal Width C..
Rows
SUM(Petal Length C..
ND Data Visualization (Scatter Plot)
Petal Length Cm
Petal Width Cm
For scatter plots try
0 or more Dimensions
2 to 4 Measures
Data Source
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
150 marks
1 row by 1 column
SUM(Petal Width Cm): 179.800
97°F
Sunny
Search
ENG
IN
02:30 PM
14-04-2024

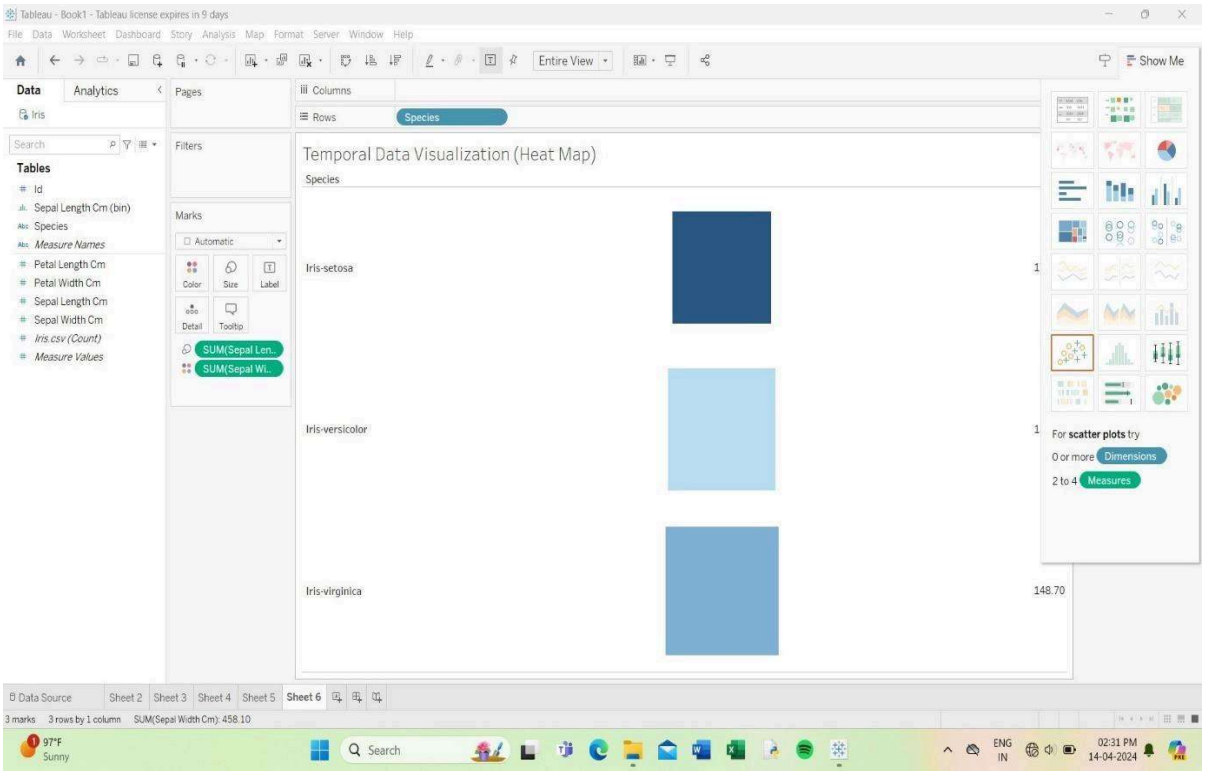


Tableau - Book1 - Tableau license expires in 9 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
Iris
Search
Tables
Id
Sepal Length Cm (bin)
Species
Measure Names
Petal Length Cm
Petal Width Cm
Sepal Length Cm
Sepal Width Cm
Iris.csv (Count)
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Sepal Len..
SUM(Sepal Wi..
Columns
Rows
Species
Temporal Data Visualization (Heat Map)
Species
Iris-setosa
1
Iris-versicolor
1
Iris-virginica
148.70
For scatter plots try
0 or more Dimensions
2 to 4 Measures
Data Source
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
3 marks
3 rows by 1 column
SUM(Sepal Width Cm): 458.10
97°F
Sunny
Search
ENG
IN
02:31 PM
14-04-2024