EX NO: 12

DATE: 28.08.24

DENSITY MAP

AIM:

To write a data visualization program using density map

PROCEDURE:

STEP1: Open tableau. newsheet will be display. In the newsheet, click file - "New".

STEP2: In the newsheet, click "connect to data" and get "Select MSexcel". Open tab will be display.

STEP3: From the open tab select "Density maps dataset"

STEP4: Now, datasource page will be Open. In that page drag the density listing page

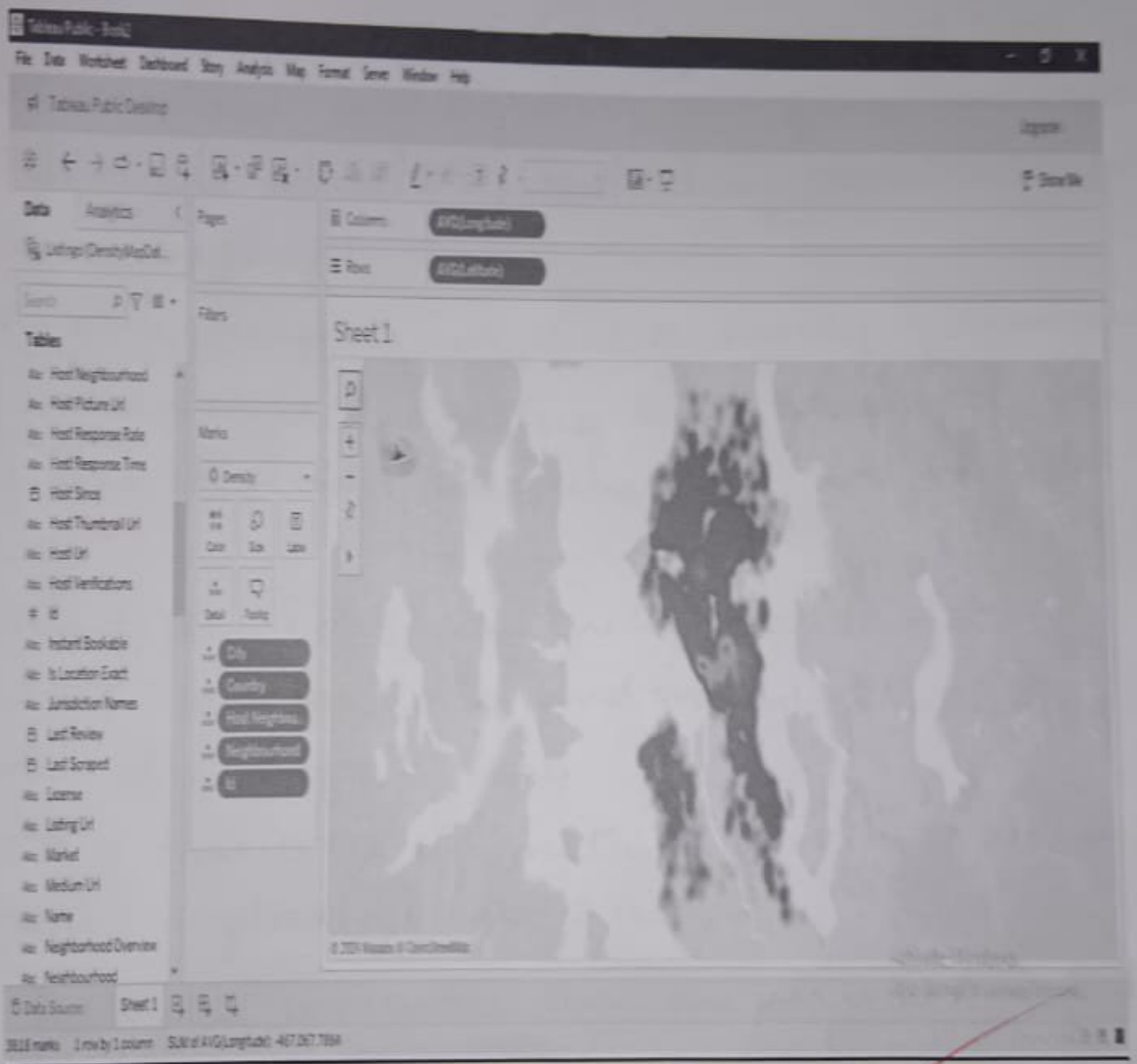
STEP5: Go to the newsheet and drag the longtitude into the column shelf.

STEP6: Drag the latitude into the rowshelf

STEP7: Drag the city, country, id, Host Neighbourhood and Neighbourhood into the Detail pane.

STEP8: Now, the density map will display in the sheet.

CREATING DENSITY MAPS



ANALYSIS REPORT

- Using density map dataset. the analysis report for finding the density of air bnb host neighbourhood.
- This report provides a density analysis of host neighbourhood. highlighting area of high and low host
- This report must help the air bnb organisation to increase the profit.
- The above map shows that the density of airbnb host
- The map that indicating high density of host by dark color and low density of host by light color.
- This report tells that the highest density of airbnb host in delhi and mumbai. indicating a high demand for air bnb.
- This report tells the medium density of airbnb host in hyderabad and chennai.
- This report concludes that the air bnb has the high density host that reveals a significant wide range of profit margin for air bnb.

RESULT:

Thus the data visualization program that working with density map is executed successfully.

Ex NO: 13 DATE: 30.08.24	MAPS EMBEDDED WITH PIE CHART

AIM:-

To write a Data Visualization program using maps embedded with pie chart.

PROCEDURE:-

STEP 1:- Open tableau, click File-"New" in workbook. A newsheet will be open.

STEP 2:- In the newsheet, click "connect to data". and get the "Select Msexcel tab".

STEP 3:- From the open tab, select the sample super store dataset. Now, the datasource page will be open.

STEP 4: Drag the Order table in the datasource page.

STEP 5: Drag the longitude into the column shelf and drag the latitude into the row shelf.

STEP 6: Double click the country and State.

STEP 7:- On the marks card, click the mark type drop-down and select the map mark type

STEP 8:- Drag the profit into the color pane.

STEP 9:- Drag the state to the map. you will see an option to "add a Marks layer". Drop the state here to make a New layer.

STEP10: Now, we have a map with two layers: filled state polygons showing profit and point locations in the middle of each state.

STEP11:- We'll turn these points into pie charts in the next steps.

STEP12: To Organize the layer with name, click the drop-down arrow to the right of the layer name. Select-"Rename" and rename the layer to a name that reflects its content.

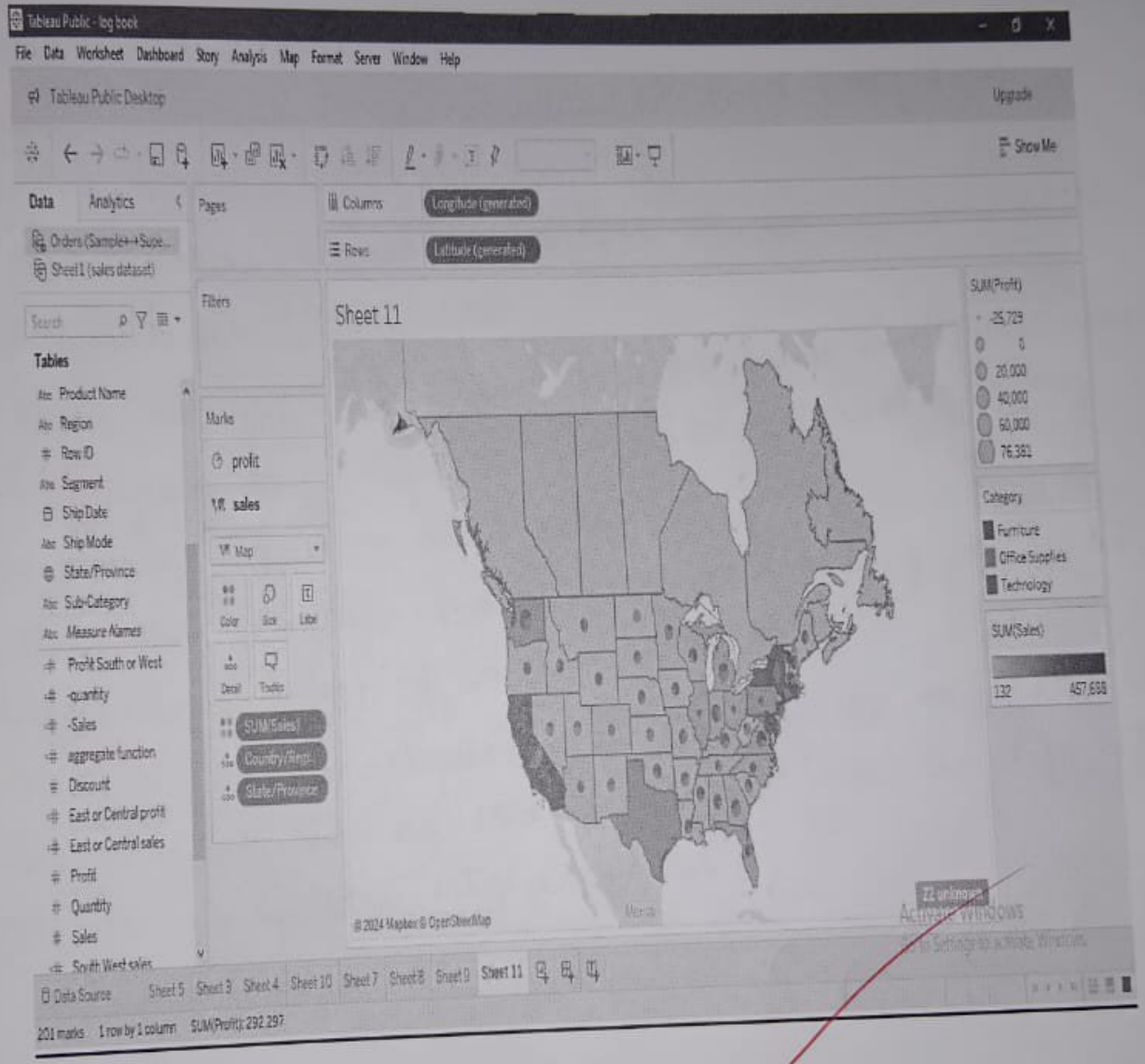
STEP13:- Rename it as "pie chart"

STEP14: On the pie-chart layer, click the mark type drop-down and select the pie mark type.

STEP15: From the Orders table in the Data pane, drag sales to size on the marks card on the pie chart layer.

STEP16: Drag the category into the color pane

CONSTUCTING MAPS EMBEDDED WITH PIE CHARTS



ANALYSIS REPORT:

- Using Sample super store. The analysis Report for finding the profit and Sales of United States.
- The report tells that maps embedded with pie chart indicates the both sales and profit in same map.
- The report must help the sample super store to increase the sales.
- This report tells that the piechart and filled map displaying the high sales and profit and loss by the range of color and size.
- The Above map shows that the Every state has different ranges of sales and profit.
- This report concludes that. In the United states the california as the highest sales and profit The Texas as the highest loss.

REPORT:

Thus the data Visualization program that working with maps embedded with piechart is executed successfully.