

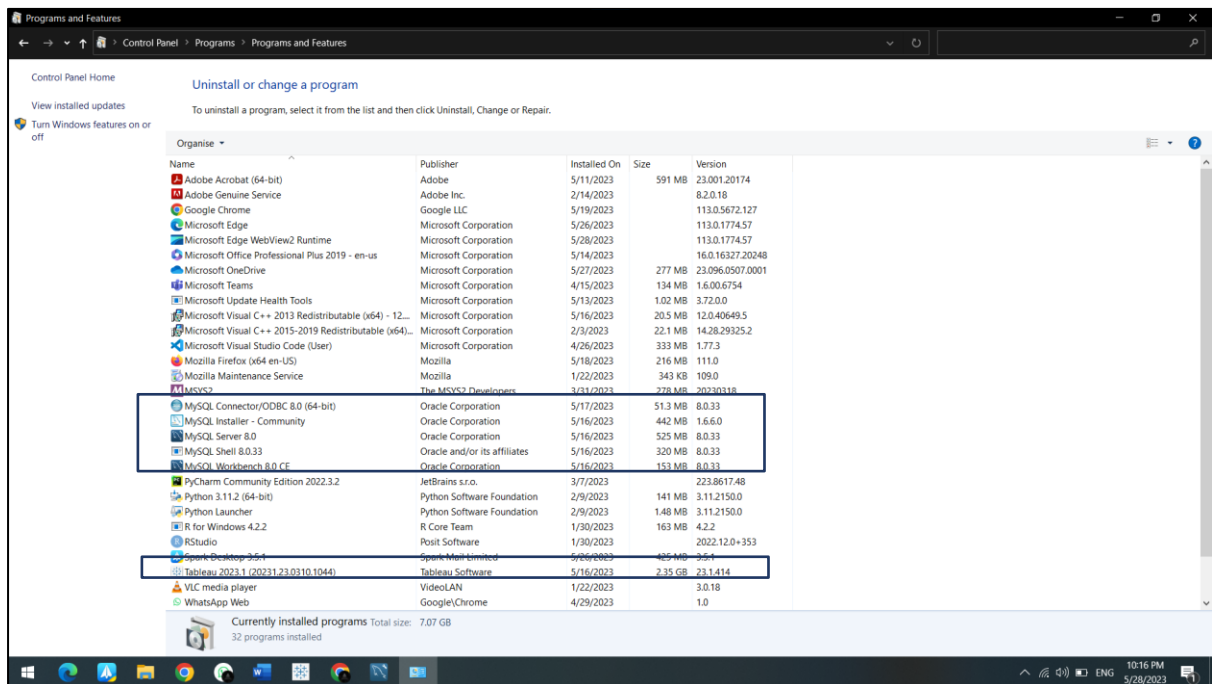
ASSIGNMENT – 1

NAME : G NITHISH KANNA

REGISTER NUMBER : 20BCE1304

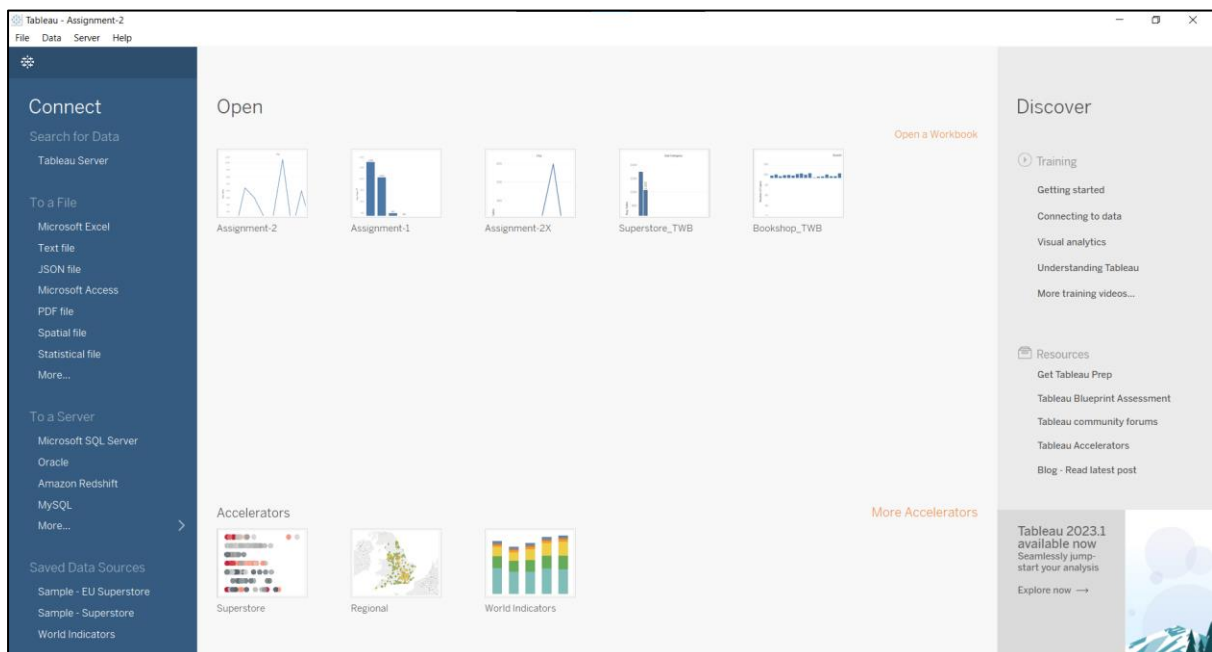
CAMPUS : VIT, Chennai

1. Download tableau desktop & Mysql in your PC or laptop

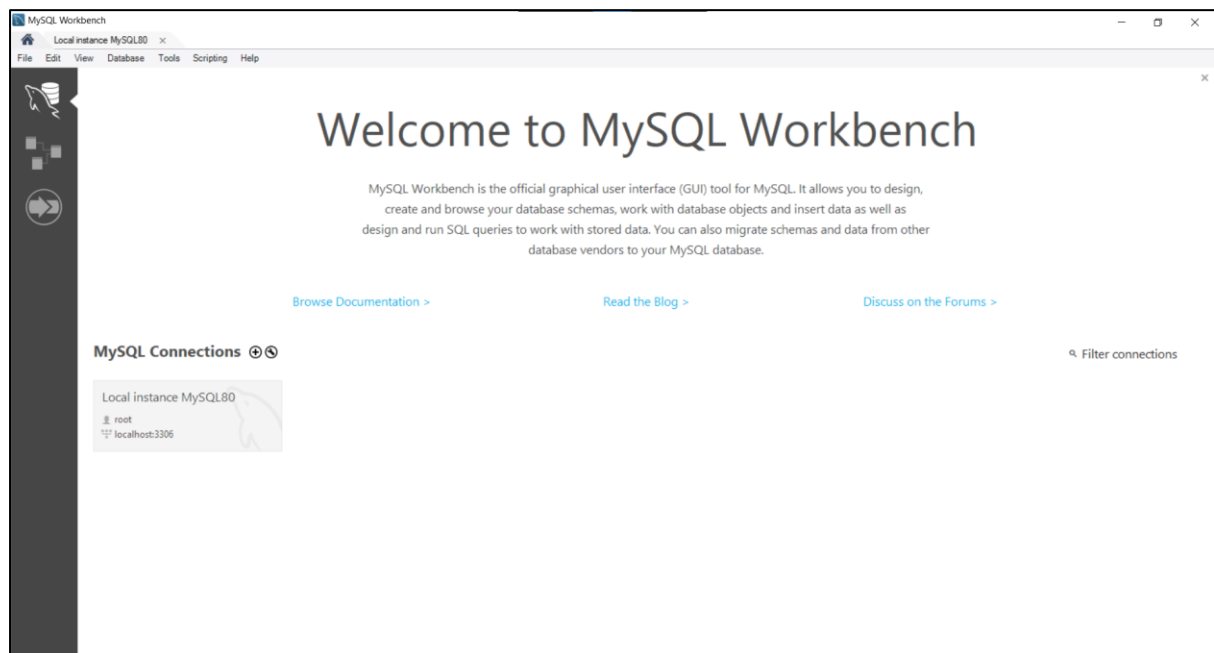


After successful installation

Tableau

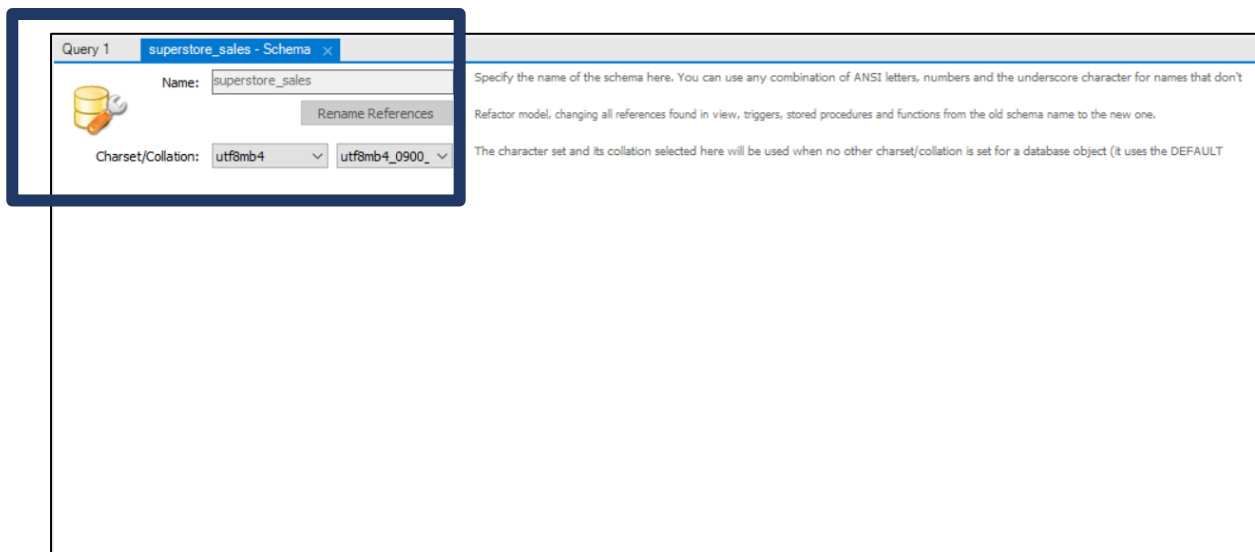


MySQL Workbench



2. Create a new schema in your Mysql workbench and upload your data

Schema



Superstore data (as .csv file)

| Row ID | Order ID | Order Date | Ship Date | Ship Mode | Customer | Customer Segment | Country | City | State | Postal Code | Region | Product ID | Category | Sub-Category | Product Name | Sales | Quantity | Discount | Profit |
|--------|-----------|------------|-----------|-----------|--------------|-----------------------|------------|-------------|------------|-------------|---------|------------|------------|--------------|--------------|----------|----------|----------|----------|
| 1 | CA-2014-1 | ##### | ##### | Standard | CLC-12520 | Claire Gutti Consumer | United Sta | Henderson | Kentucky | 42420 | South | FUR-BO-1F | Furniture | Bookcases | Bush Soma | 261.96 | 2 | 0 | 41.9136 |
| 2 | CA-2016-1 | ##### | ##### | Standard | CLC-12520 | Claire Gutti Consumer | United Sta | Henderson | Kentucky | 42420 | South | FUR-CH-1F | Furniture | Chairs | Hon Delux | 731.94 | 3 | 0 | 219.582 |
| 3 | CA-2016-1 | ##### | ##### | Standard | CLC-12520 | Darri Van Corporate | United Sta | Los Angeles | California | 90036 | West | OFF-LA-10 | Office Sup | Labels | Self-Adhes | 14.62 | 2 | 0 | 6.8714 |
| 4 | US-2015-1 | ##### | ##### | Standard | C SO-20335 | Sean O'Do Consumer | United Sta | Fort Laude | Florida | 33311 | South | FUR-TA-1C | Furniture | Tables | Bretford C | 957.5775 | 5 | 0.45 | -383.031 |
| 5 | US-2015-1 | ##### | ##### | Standard | C SO-20335 | Sean O'Do Consumer | United Sta | Fort Laude | Florida | 33311 | South | OFF-ST-10 | Office Sup | Storage | Eldon Fold | 22.368 | 2 | 0.2 | 2.5164 |
| 6 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | FUR-FU-1C | Furniture | Furnishing | Eldon Expr | 48.86 | 7 | 0 | 14.1694 |
| 7 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | OFF-AR-1C | Office Sup | Art | Newell 32 | 7.28 | 4 | 0 | 1.9656 |
| 8 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | TEC-PH-1C | Technolog | Phones | Mitel 532c | 907.152 | 6 | 0.2 | 90.7152 |
| 9 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | OFF-BI-10I | Office Sup | Binders | DXL Angle | 18.504 | 3 | 0.2 | 5.7825 |
| 10 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | OFF-AP-10 | Office Sup | Appliances | Belkin F5C | 114.9 | 5 | 0 | 34.47 |
| 11 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | FUR-TA-1C | Furniture | Tables | Chromcraf | 1706.184 | 9 | 0.2 | 85.3092 |
| 12 | CA-2014-1 | 6/9/2014 | ##### | Standard | BH-11710 | Brosina Hc Consumer | United Sta | Los Angeles | California | 90032 | West | TEC-PH-1C | Technolog | Phones | Konftel 25 | 911.424 | 4 | 0.2 | 68.3568 |
| 13 | CA-2017-1 | ##### | ##### | Standard | CA-10480 | Andrew Al Consumer | United Sta | Concord | North Car | 28027 | South | OFF-PA-10 | Office Sup | Paper | Xerox 196 | 15.552 | 3 | 0.2 | 5.4432 |
| 14 | CA-2016-1 | ##### | ##### | Standard | CM-15070 | Inene Mad Consumer | United Sta | Seattle | Washington | 98103 | West | OFF-BI-10I | Office Sup | Binders | Fellowes P | 407.976 | 3 | 0.2 | 132.5922 |
| 15 | US-2015-1 | ##### | ##### | Standard | CH-14815 | Harold Pa Home Offi | United Sta | Fort Worth | Texas | 76106 | Central | OFF-AP-10 | Office Sup | Appliances | Holmes Re | 68.81 | 5 | 0.8 | -123.858 |
| 16 | US-2015-1 | ##### | ##### | Standard | CH-14815 | Harold Pa Home Offi | United Sta | Fort Worth | Texas | 76106 | Central | OFF-BI-10I | Office Sup | Binders | Storax Dur | 2.544 | 3 | 0.8 | -3.816 |
| 17 | CA-2014-1 | ##### | ##### | Standard | PK-19075 | Pete Kriz Consumer | United Sta | Madison | Wisconsin | 53711 | Central | OFF-ST-10 | Office Sup | Storage | Stur-D-Sto | 665.88 | 6 | 0 | 13.3176 |
| 18 | CA-2014-1 | ##### | ##### | Standard | AG-10270 | Alejandro I Consumer | United Sta | West Jord | Utah | 84084 | West | OFF-ST-10 | Office Sup | Storage | Fellowes S | 55.5 | 2 | 0 | 9.99 |
| 19 | CA-2014-1 | 9/1/2014 | ##### | Standard | CLC-ZD-21925 | Zuschuss C Consumer | United Sta | San Franci | California | 94109 | West | OFF-AR-1C | Office Sup | Art | Newell 34 | 8.56 | 2 | 0 | 2.4824 |
| 20 | CA-2014-1 | 9/1/2014 | ##### | Standard | CLC-ZD-21925 | Zuschuss C Consumer | United Sta | San Franci | California | 94109 | West | TEC-PH-1C | Technolog | Phones | Cisco SPA | 213.48 | 3 | 0.2 | 16.011 |
| 21 | CA-2014-1 | 9/1/2014 | ##### | Standard | CLC-ZD-21925 | Zuschuss C Consumer | United Sta | San Franci | California | 94109 | West | OFF-BI-10I | Office Sup | Binders | Wilson Jor | 22.72 | 4 | 0.2 | 7.384 |
| 22 | CA-2016-1 | ##### | ##### | Standard | KB-16585 | Ken Black Corporate | United Sta | Fremont | Nebraska | 68025 | Central | OFF-AR-1C | Office Sup | Art | Newell 31i | 19.46 | 7 | 0 | 5.0596 |
| 23 | CA-2016-1 | ##### | ##### | Standard | KB-16585 | Ken Black Corporate | United Sta | Fremont | Nebraska | 68025 | Central | OFF-AP-10 | Office Sup | Appliances | Acco Six-C | 60.34 | 7 | 0 | 15.6884 |
| 24 | US-2017-1 | ##### | ##### | Standard | SF-20065 | Sandra Fla Consumer | United Sta | Philadelph | Pennsylv | 19140 | East | FUR-CH-1F | Furniture | Chairs | Global Del | 71.372 | 2 | 0.3 | -1.0196 |
| 25 | CA-2015-1 | ##### | ##### | Standard | EB-13870 | Emily Burn Consumer | United Sta | Orem | Utah | 84057 | West | FUR-TA-1C | Furniture | Tables | Bretford C | 1044.63 | 3 | 0 | 240.2649 |
| 26 | CA-2016-1 | ##### | ##### | Standard | CLC-EH-13945 | Eric Hoffm Consumer | United Sta | Los Angeles | California | 90049 | West | OFF-BI-10I | Office Sup | Binders | Wilson Jor | 11.648 | 2 | 0.2 | 4.2224 |
| 27 | CA-2016-1 | ##### | ##### | Standard | CLC-EH-13945 | Eric Hoffm Consumer | United Sta | Los Angeles | California | 90049 | West | TEC-AC-1C | Technolog | Accessorie | Imation A | 90.57 | 3 | 0 | 11.7741 |
| 28 | US-2015-1 | ##### | ##### | Standard | CTB-21520 | Tracy Blun Consumer | United Sta | Philadelph | Pennsylv | 19140 | East | FUR-BO-1F | Furniture | Bookcases | Riverside F | 3083.43 | 7 | 0.5 | -1665.05 |

sales_new_data Table

| Table: | Columns: |
|----------------|-----------------|
| sales_new_data | Row ID int |
| | Order ID text |
| | Order Date text |
| | Ship Date text |

After successful upload of data as table

3. Connect your Mysql and Tableau

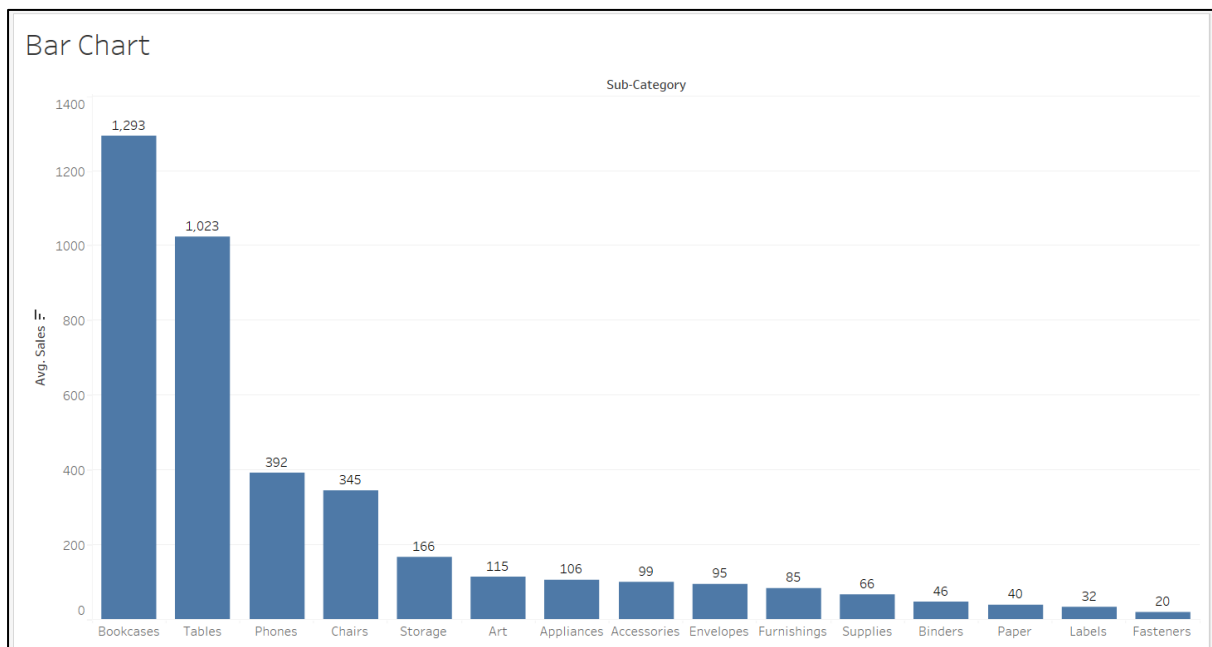
The screenshot shows the Tableau 'Assignment-2' window. On the left, the 'Connections' pane shows a 'localhost MySQL' connection. Below it, the 'Database' dropdown is set to 'superstore_sales'. The 'Table' section lists 'sales_new_data' as the selected table. The main workspace displays 'sales_new_data (superstore_sales) (9)' with a 'Need more data?' prompt. Below this, a table preview shows the first six rows of data. The bottom toolbar includes various chart types like Line Chart, Histogram, and Scatter Plot.

| # | Row ID | Order ID | Order Date | Ship Date | Ship Mode | Customer ID | Customer Name |
|---|----------------|------------|------------|----------------|-----------|-----------------|---------------|
| 1 | CA-2016-152156 | 11/8/2016 | 11/11/2016 | Second Class | CG-12520 | Claire Gute | |
| 2 | CA-2016-152156 | 11/8/2016 | 11/11/2016 | Second Class | CG-12520 | Claire Gute | |
| 3 | CA-2016-138688 | 6/12/2016 | 6/16/2016 | Second Class | DV-13045 | Darrin Van Huff | |
| 4 | US-2015-108966 | 10/11/2015 | 10/18/2015 | Standard Class | SO-20335 | Sean O'Donnell | |
| 5 | US-2015-108966 | 10/11/2015 | 10/18/2015 | Standard Class | SO-20335 | Sean O'Donnell | |
| 6 | CA-2014-115812 | 6/9/2014 | 6/14/2014 | Standard Class | BH-11710 | Brosina Hoffmar | |

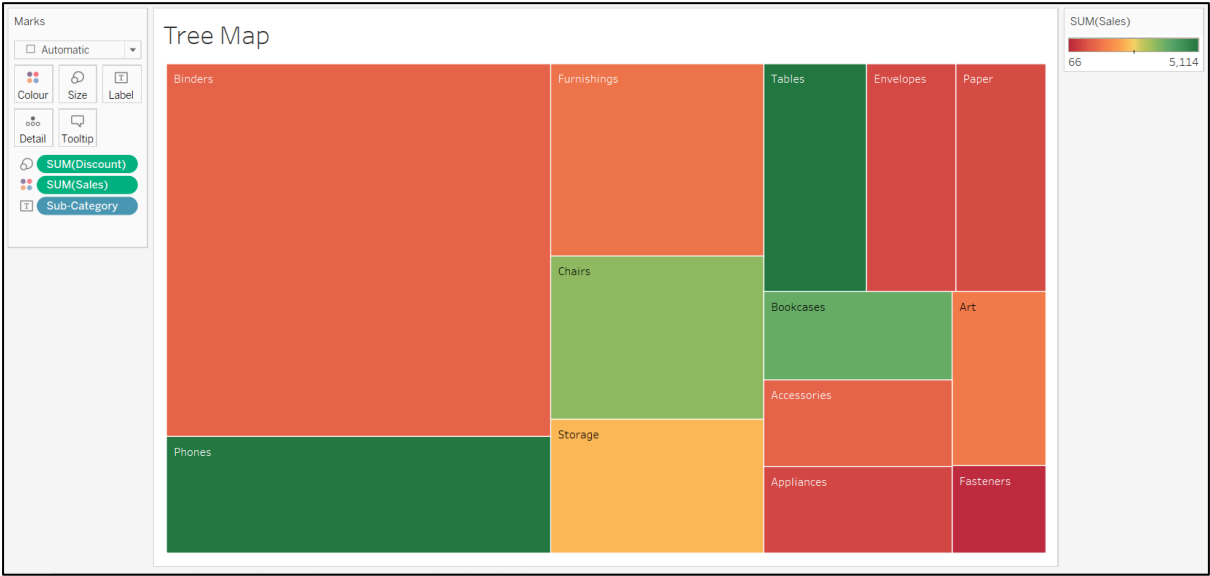
After successful connection

4. Create the below 5 charts/plots

- Bar chart

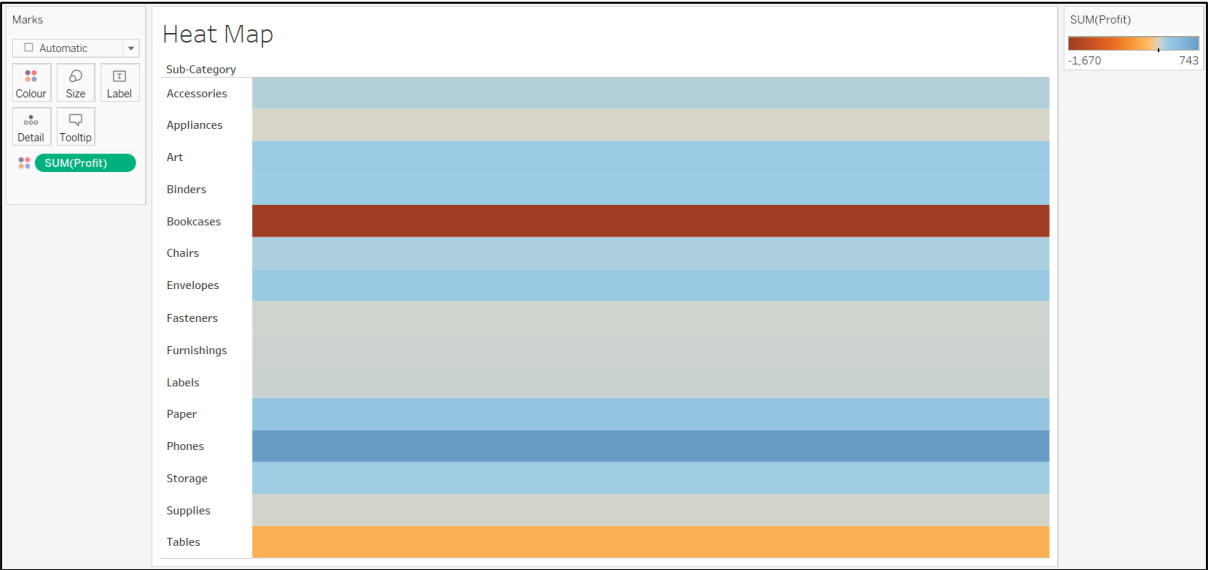


- Tree map

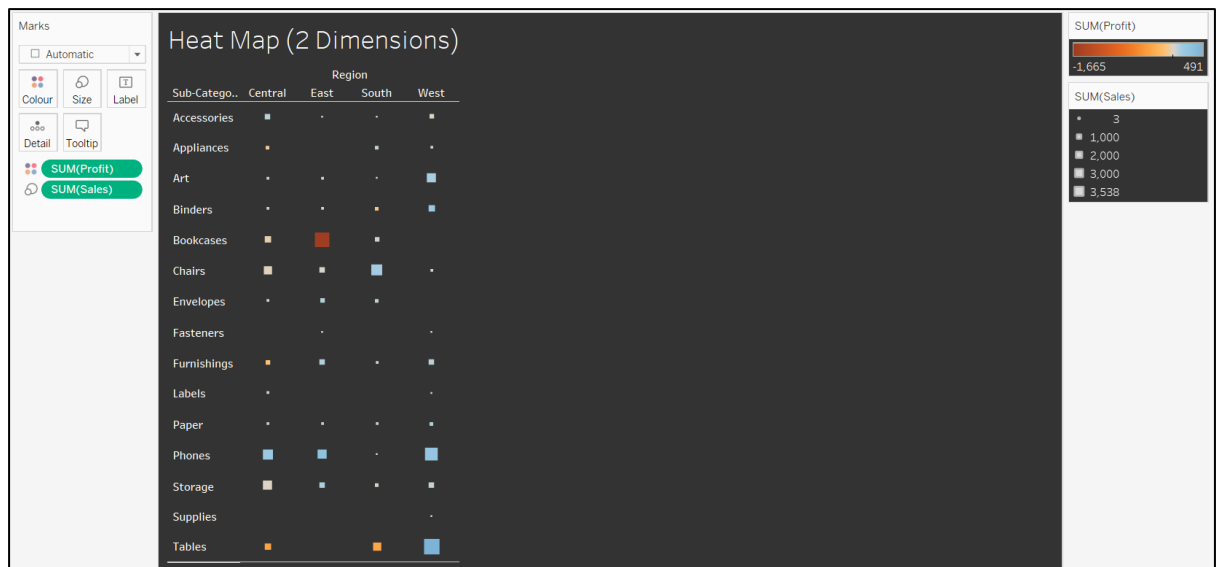


- Heatmap

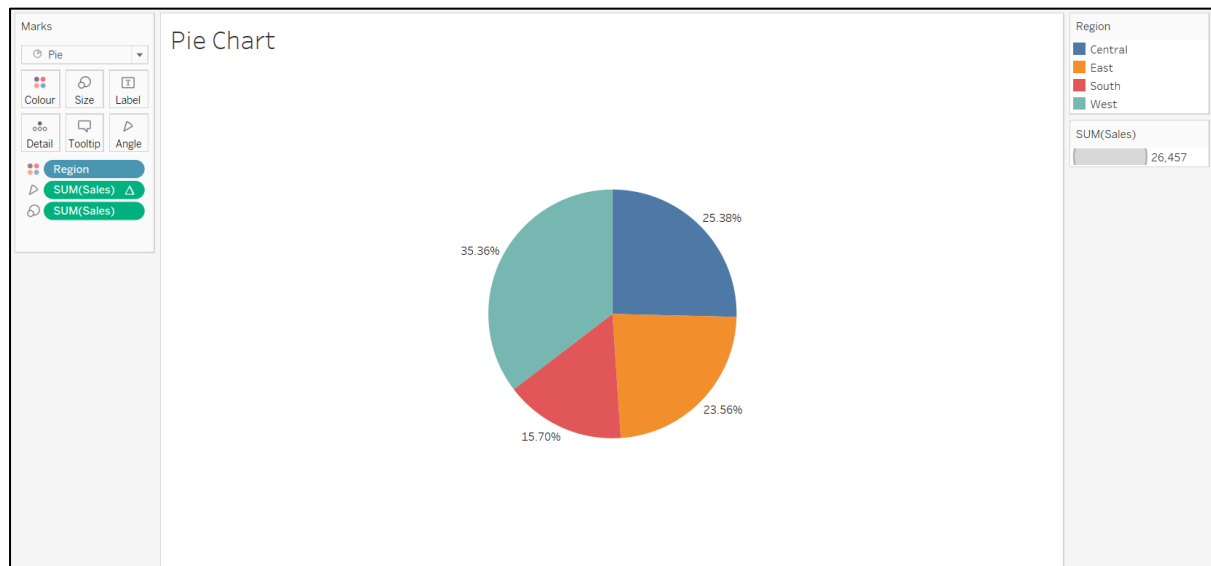
- 1 Dimension



- 2 Dimension



- Pie chart



- Horizontal bar chart

