Long Term Virtual Internship – Data Analytics using Tableau

Assignment – 02 Pre-Requisites:

Open Tableau Student → Connect Excel "super market.csv"

1. Prepare Donut Chart:

Step – 01: Create a New Sheet and Renamed as **"Donut Chart"**

Step – 02: Drag **Product line**-**columns** select only one

Step – 03: Click **Marks** card -Select **Pie** from dropdown- Drag

- **Product line** → **Colour**
- **Total** → **Angle**
- **Total** → **Label**

Step – 04: Create → **Calculated Field** Name it: **Donut** Enter formula: **0** Click **OK**

Step – 05: Drag **Donut** → **Rows (twice)** (So Donut appears two times in Rows)

- Right-click on second Donut → Select Dual Axis
- Right-click again → Synchronize Axis

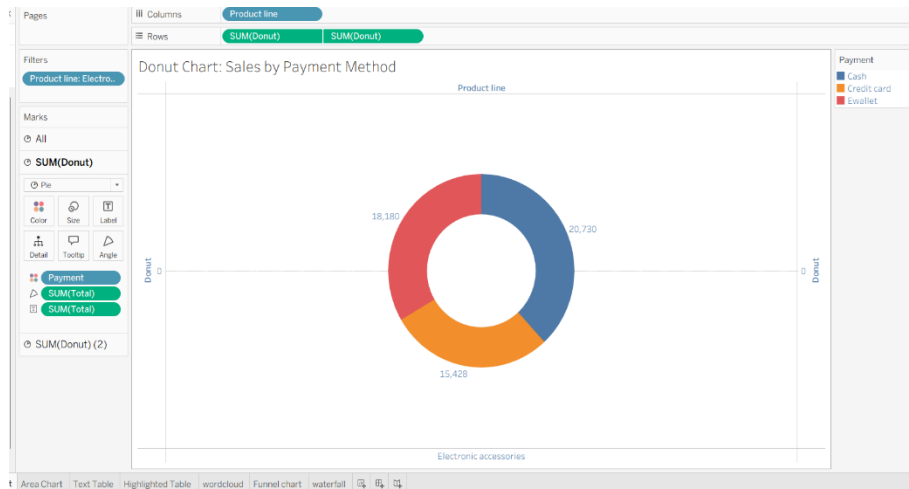Step – 06: Format Inner Circle (Hole) First Marks Card (Outer Pie)

On **Marks(Donut) -** First one:

- ○ Type = **Pie**
- ○ Product line → Colour
- ○ Total → Angle
- ○ Total → Label
- ○ Increase **Size**

On **Second Marks Card (Inner Circle) -** Click **Second Marks (Donut)** Set:

- ○ Type = **Pie**
- ○ Remove all fields
- ○ Drag **Donut** → Angle
- ○ Colour → White (or background colour)
- ○ Reduce **Size**

Step – 07: Drag **payment** to colours

Donut Chart

2.Prepare Area Chart:

Step – 01: Create a New Sheet and Renamed as **"Area Chart"**

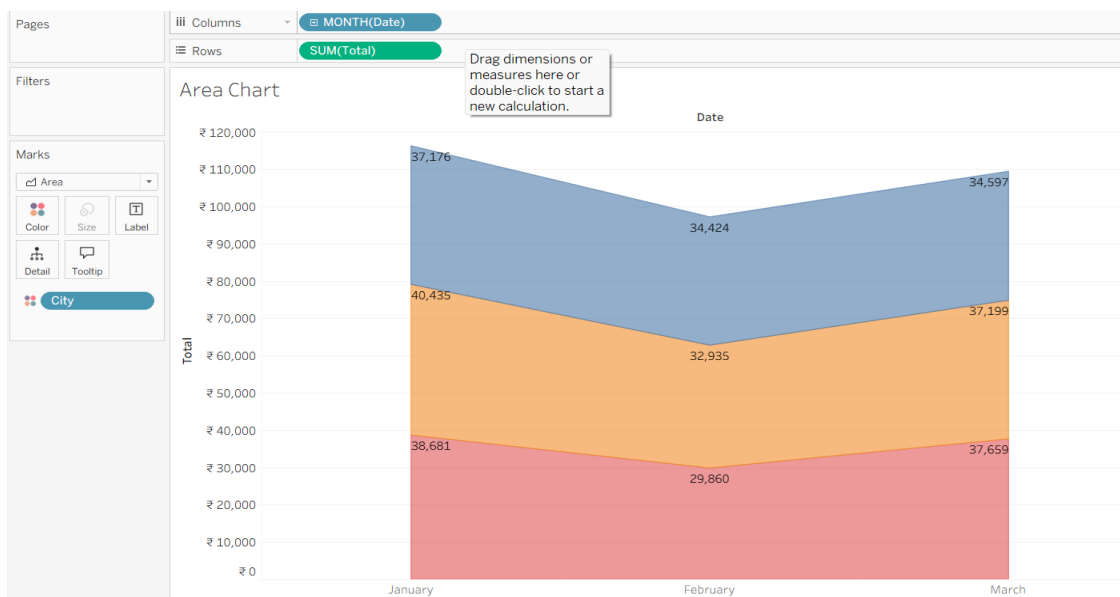Step – 02:   Drag **Date → Columns shelf** -Click the drop-down on Date-

Select **Month (Continuous)**

Step-03: Drag **Total → Rows shelf**

Step-04: Click **Show Me** (top right) Select **Area Chart**

Step-05: Drag **city → Colour** (in Marks card)

Area Chart

3.Prepare Text Table:

Step – 01: Create a New Sheet and Renamed as "**Text Table**"

Step – 02: On the right side, find **Show Me**. Click the **Text Table (Pivot Table)** icon

Step – 03:   Drag **Date → Columns shelf**

Step – 04: From the **Data Pane (left side)**, drag these fields to **Rows**

- **Invoice ID**

- **Branch**

- **City**

- **Customer type**

- **Gender**

- **Product line**

- **Date**

- **Time**

- **Payments**

Step – 05: Drag Measures to Columns (or Text)

Step – 06: Now drag these **Measures**: To **Columns**:

- Unit price

- Quantity

- Tax

- Total

- COGS

- Gross income

- Gross margin percentage

- Rating

Step – 07: Set Marks Type to Text -On **Marks Card**, click the dropdown-Select **Text.**

	Product line					
Measure Names	onic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel
Branch	No Measure Value	No Measure Value	No Measure Value	No Measure Value	No Measure Value	No Measure Value
A	₹ 18,317.11	₹ 16,332.51	₹ 17,163.10	₹ 12,597.75	₹ 22,417.20	₹ 19,372.70
B	₹ 17,051.44	₹ 16,413.32	₹ 15,214.89	₹ 19,980.66	₹ 17,549.16	₹ 19,988.20
C	₹ 18,968.97	₹ 21,560.07	₹ 23,766.86	₹ 16,615.33	₹ 13,895.55	₹ 15,761.93

Text Table

4.Prepare Highlighted Table:

Step – 01: Create a New Sheet and Renamed as "**Highlighted Table**"

Step – 02: Drag **Product line** → **Rows**

Step – 03: Drag **Branch** → **Columns**

Step – 04: Drag **Total** → **Marks** → **Colour** On the **Marks card**, Click the drop-down → Select **Square**

Step – 05: In **Marks card** → **Size** Drag slider to the **right** until squares fill the cells.

Step – 06: Drag **Total** → **Label** -Click **Label** → **Show Mark Labels**

Step – 07: Click **Colour** → **Edit Colours** Choose a colour palette -Click **Apply** → **OK**

Branch	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel
A	₹ 18,317.11	₹ 16,332.51	₹ 17,163.10	₹ 12,597.75	₹ 22,417.20	₹ 19,372.70
B	₹ 17,051.44	₹ 16,413.32	₹ 15,214.89	₹ 19,980.66	₹ 17,549.16	₹ 19,988.20
C	₹ 18,968.97	₹ 21,560.07	₹ 23,766.86	₹ 16,615.33	₹ 13,895.55	₹ 15,761.93

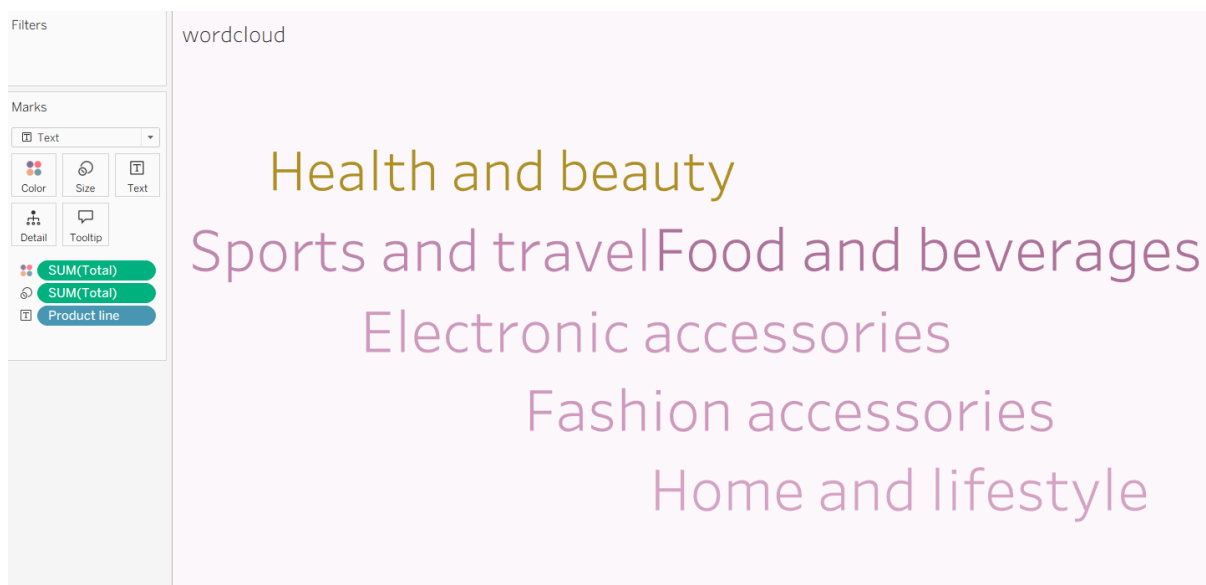*Highlighted Text*

5.Prepare Word Cloud:

Step – 01: Create a New Sheet and Renamed as **"Word Cloud"**

Step – 02: In the **Marks** card -Click the dropdown-Select **Text**.

Step – 03: Drag **Product line** → Drop on **Text** Click **Text** → Increase font size

Step – 04: Drag **Total** → Drop on **Size** -Click **Size** → Increase slider

Step – 05: Drag **Total** → Drop on **Colour**

Word Cloud

6.Prepare Funnel Chart:

Step – 01: Create a New Sheet and Renamed as **"Funnel Chart"**
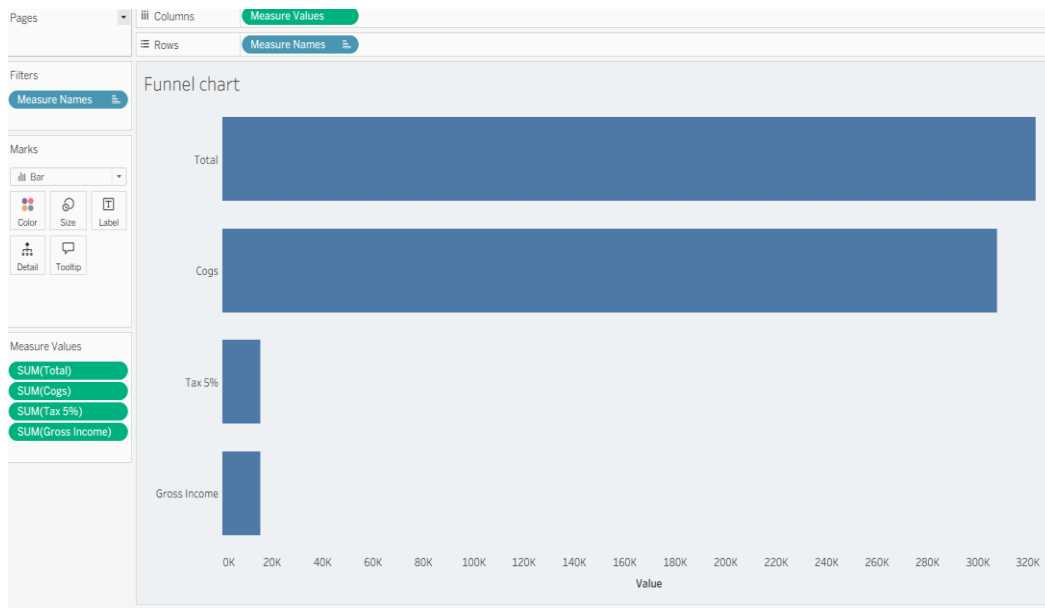
Step – 02: On **Marks Card**-Select **Bar**

Step – 03: Drag **Measure Values** → **Columns-**Edit filters

✓ SUM(Total)
✓ SUM(cogs)
✓ SUM(Gross income)
✓ SUM(Tax)

Step – 04: Drag **Measure Names**→ **Rows**-It automatically shows in **filter**

Click **Sort** → Descending (largest to smallest)

Step – 05: Right click on **sheet -** click on **Format -**Go to **Format Shading-**click on **worksheet -**change **colour.**

Funnel Chart

7.Prepare Waterfall Chart:

Step – 01: Create a New Sheet and Renamed as "**Waterfall Chart**"

Step – 02: Drag **Product line** → Columns-Select All

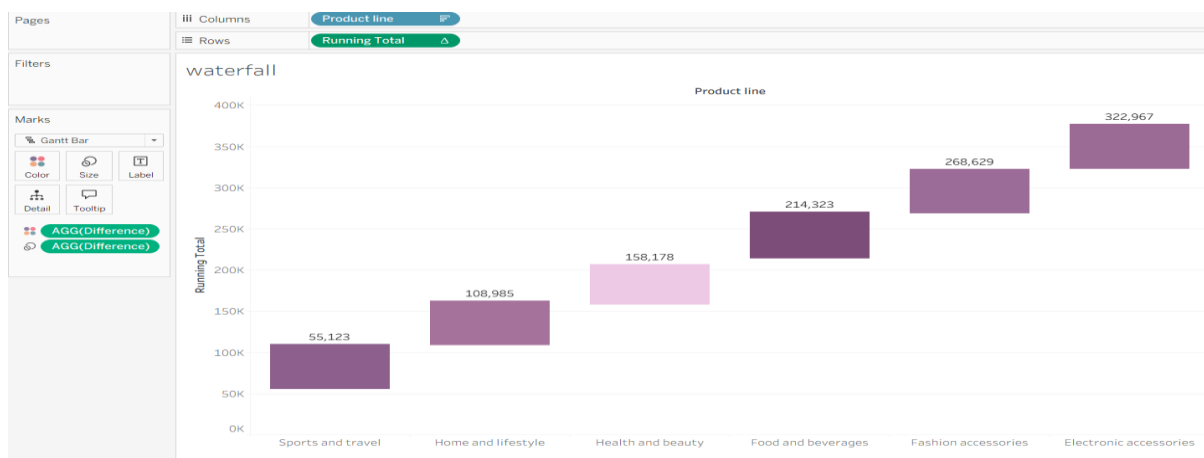Step – 03: Drag **Running Total**→ Rows

Step – 04: Click **Show Me**-Select **Gantt Bar**

Step – 05: Right-click → Create **Calculated Field** Name: Difference

Formula: SUM([Total])-Click **OK**

Step – 06: Drag **Difference** → Size (Marks card)

Step – 07: Drag **Difference** → Colour

Waterfall Chart