

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:

- o Type = Pie o Product line → Colour
- o Total → Angle
- o Total → Label o Increase Size On Second Marks Card (Inner Circle) - Click Second Marks (Donut) Set:
- o Type = Pie o Remove all fields
- o Drag Donut → Angle
- o Colour → White (or background colour)
- o Reduce Size

Step – 07: Drag payment to colours

Output:

Donut chart



2.Prepare Area Chart:

Step – 01: Create a New Sheet and Renamed as “Area Chart”

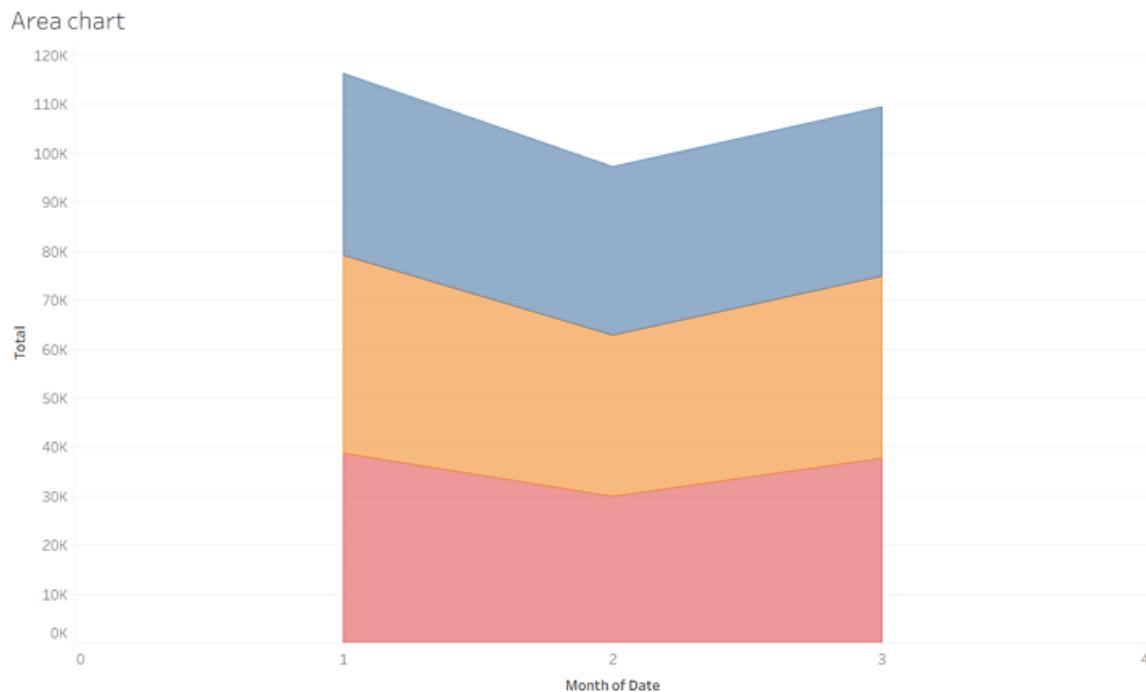
Step – 02: Drag Date → Columns shelf -Click the drop-down on Date- Select Month (Continuous)

Step-03: Drag Total → Rows shelf

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

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

Output:



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

Output:

Text Table

Branch	Product line					
	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel
A	18,317	16,333	17,163	12,598	22,417	19,373
B	17,051	16,413	15,215	19,981	17,549	19,988
C	18,969	21,560	23,767	16,615	13,896	15,762

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

Output:

Highlighted Table

Branch	Product line					
	Electronic accessories	Fashion accessories	Food and beverages	Health and beauty	Home and lifestyle	Sports and travel
A	18,317	16,333	17,163	12,598	22,417	19,373
B	17,051	16,413	15,215	19,981	17,549	19,988
C	18,969	21,560	23,767	16,615	13,896	15,762

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

Output:

Word Cloud

54,338
Electronic accessories
54,306
Fashion accessories
56,145
Food and beverages

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)

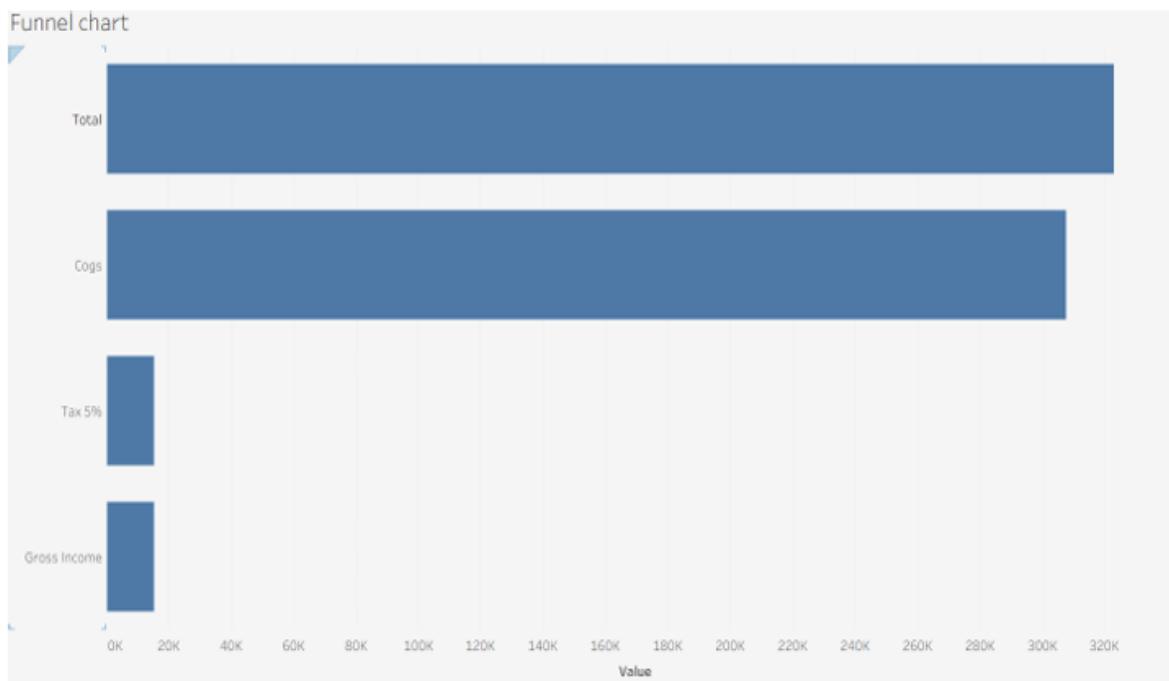
✓ SUM(Gross income)

✓ 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.

Output:



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

Output:

Waterfall chart

