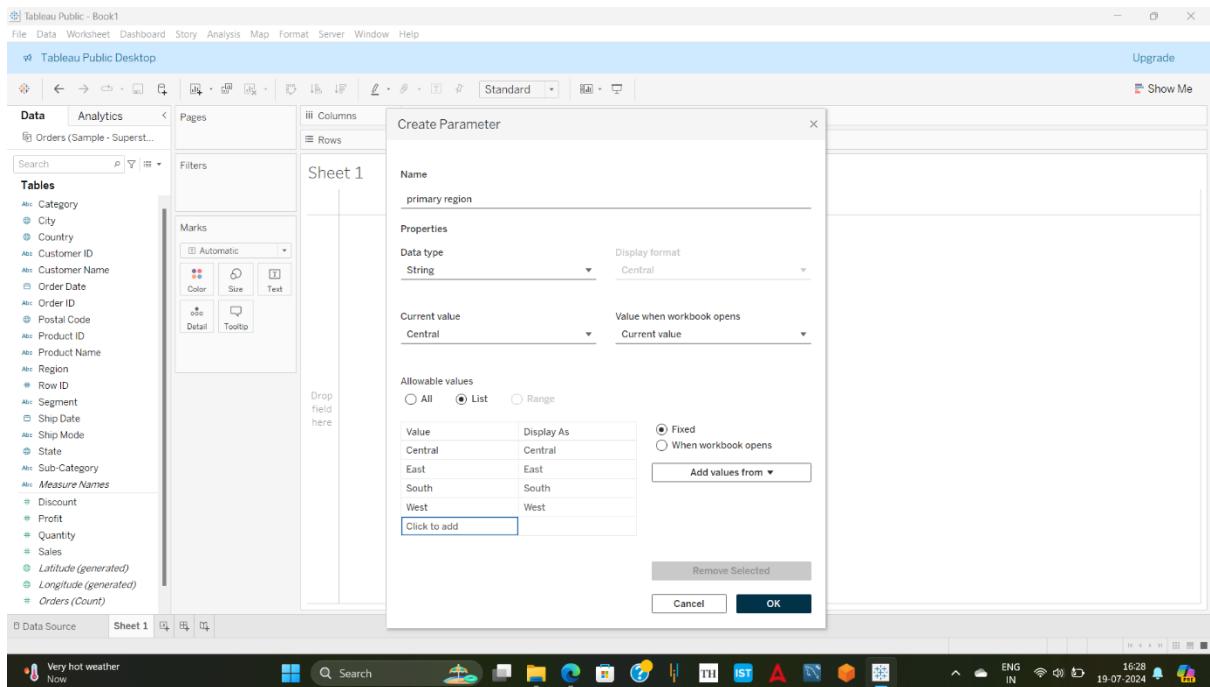


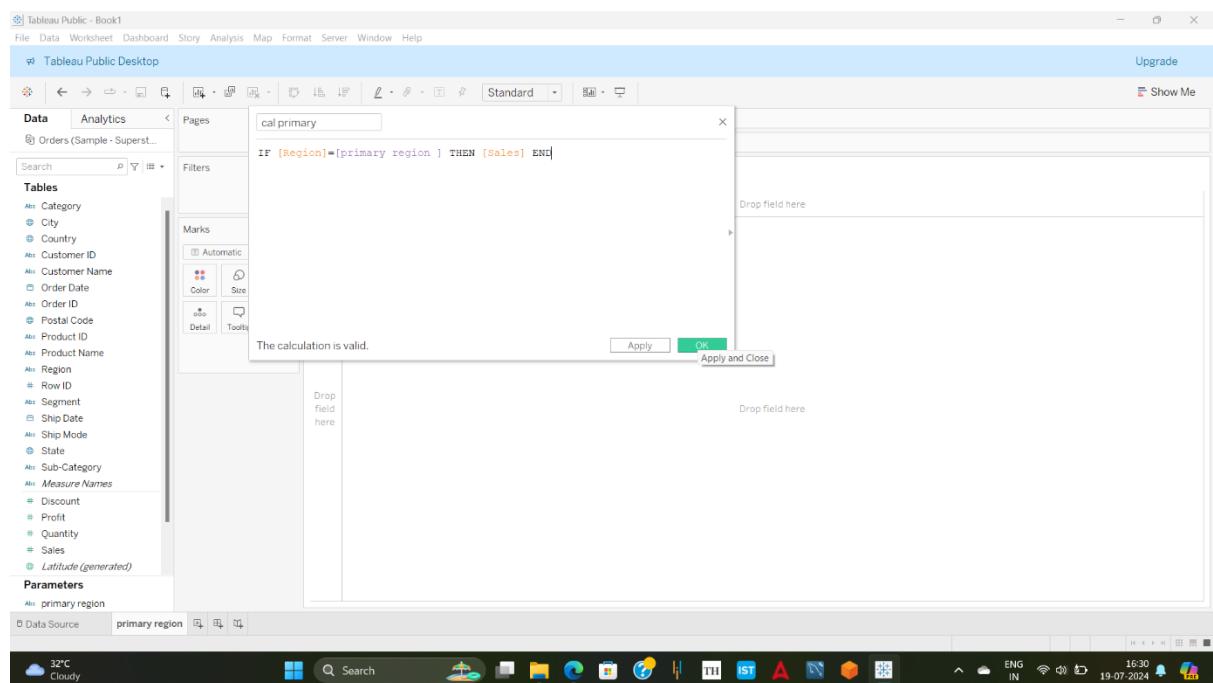
COURSE END PROJECT

tableau

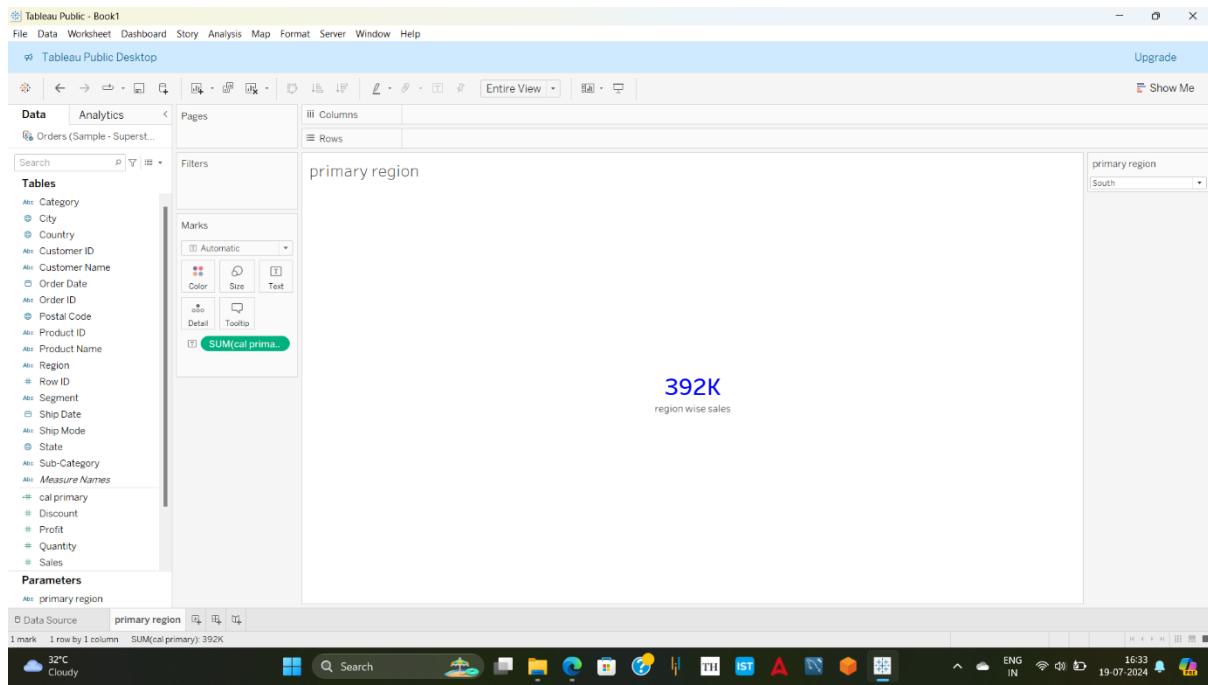
>create parameter name as primary region.



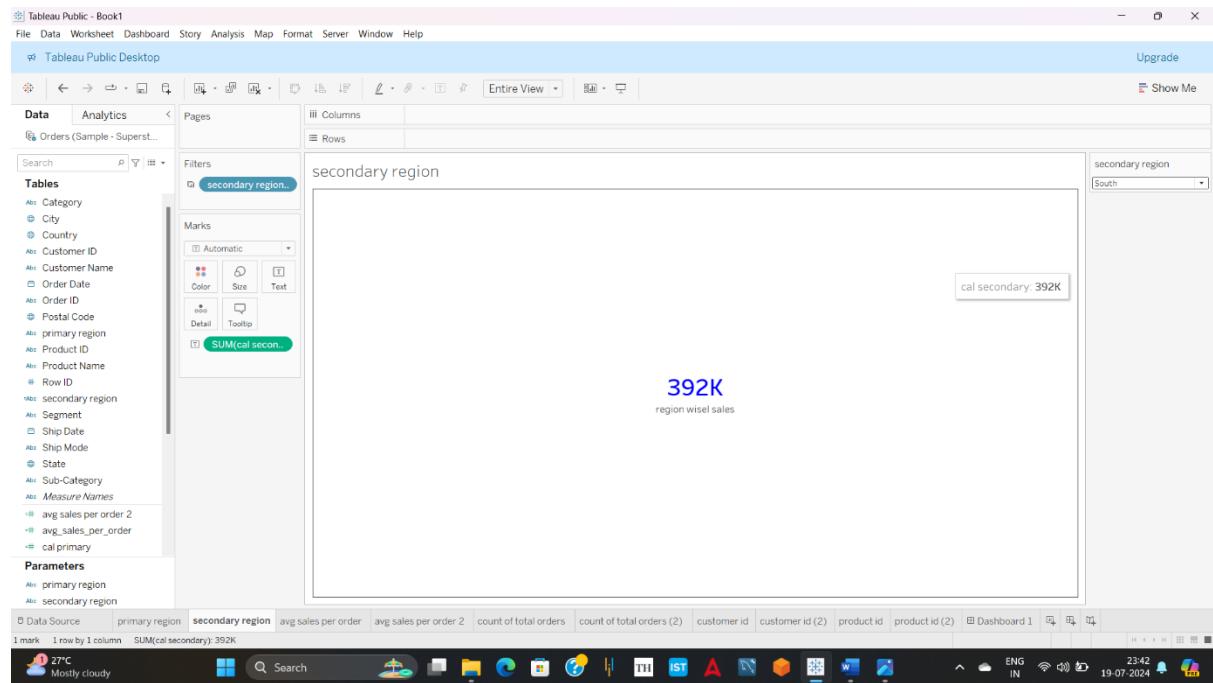
>create calculated field as cal primary and type following expression to link it with parameter.



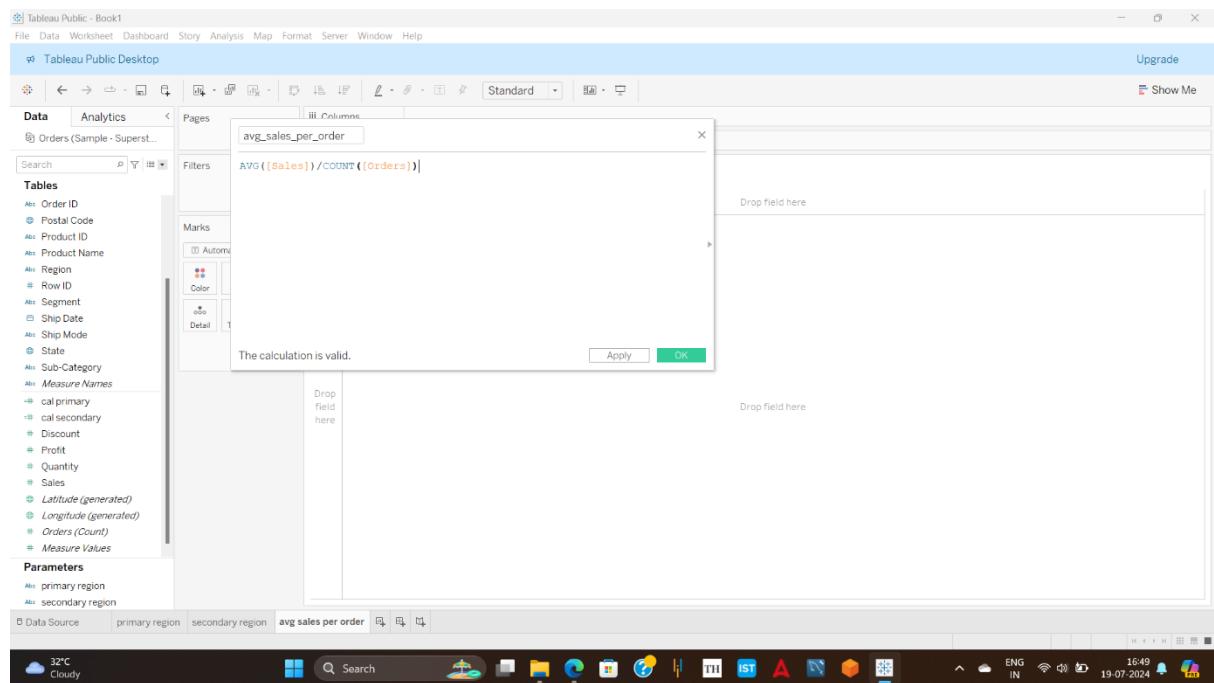
>drag that calculated field into text (marks) then format and align it to centre(kpi).



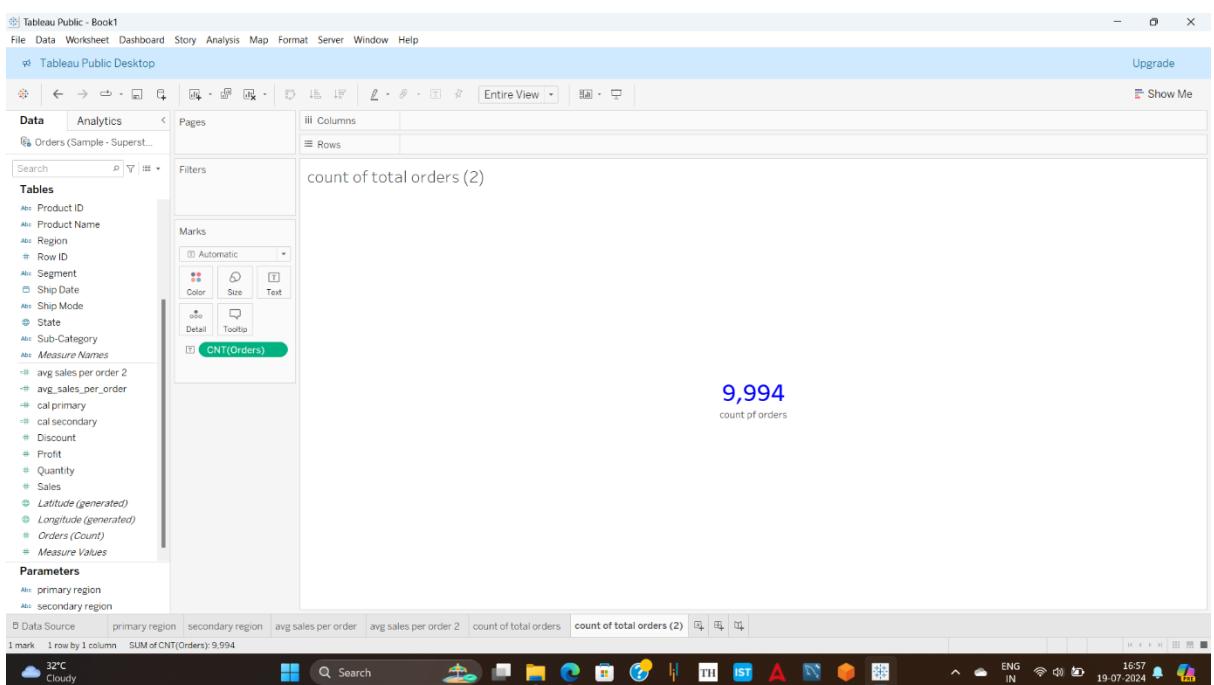
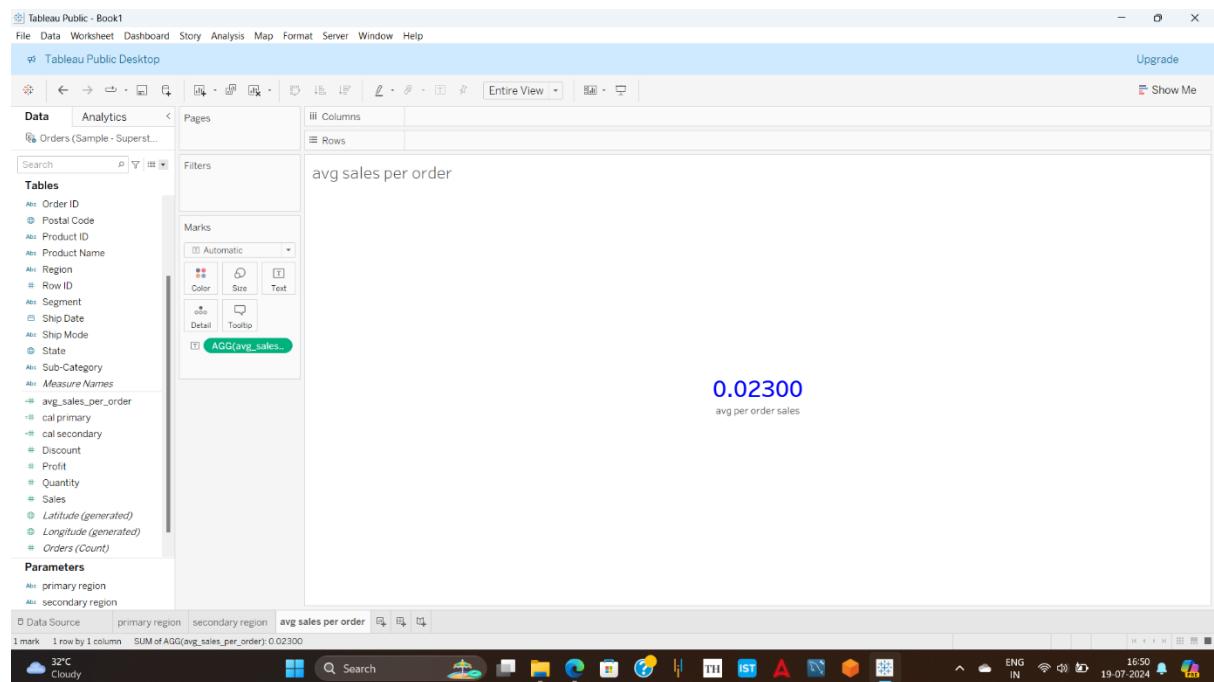
>make a secondary region wise sales sheet with same process but as secondary region.



>create a calculated field for avg sales per order.



>drag that avg sales per order (c.f) into text(marks)
 then format it. And then drag orders(count) to
 text(marks) and format it(kpi).and separate for both
 primary region and secondary region.



>create a calculated field for count of unique customer as customer id for both regions primary and secondary.

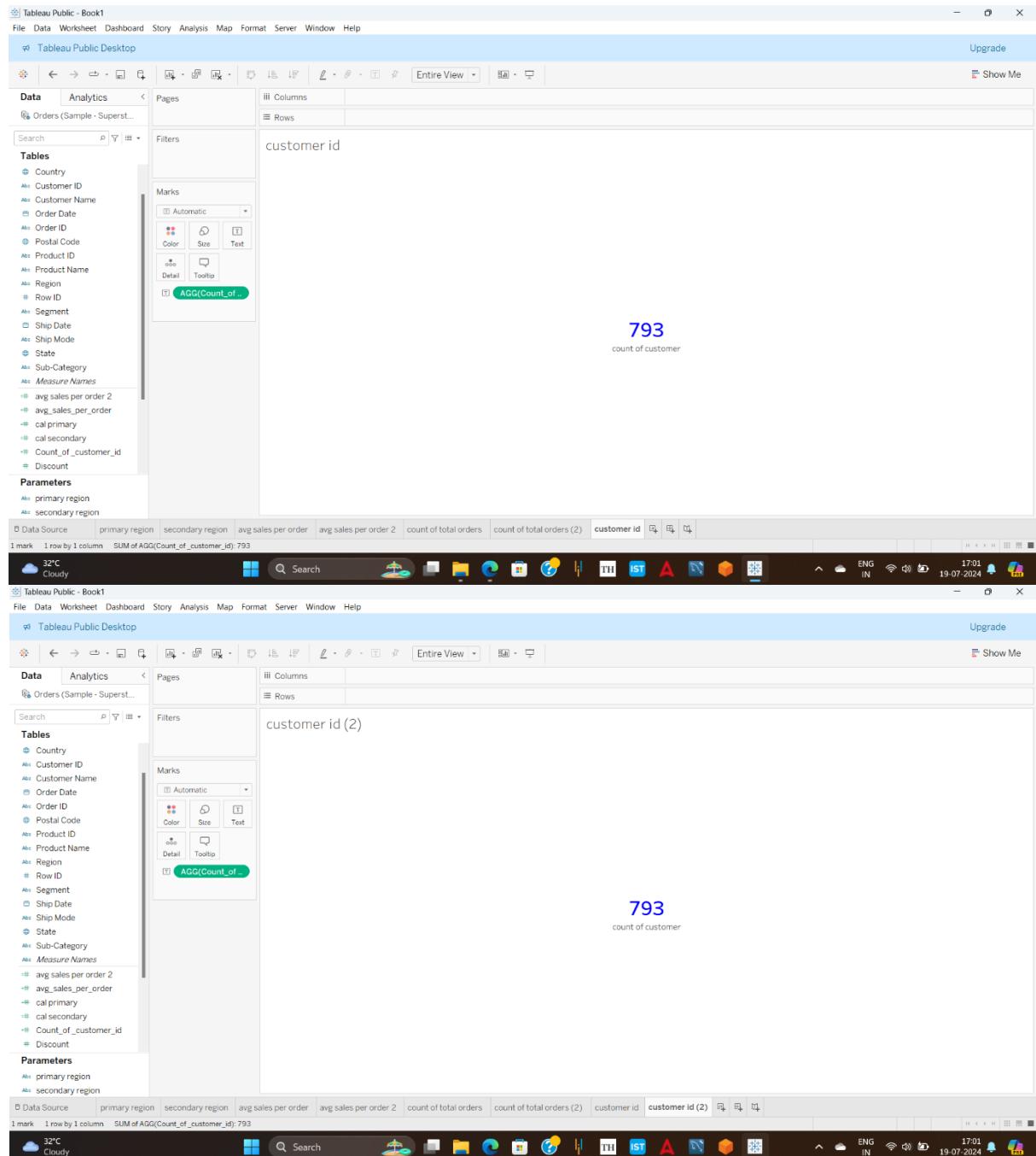
The screenshot shows the Tableau Public interface with the following details:

- Top Bar:** File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help.
- Middle Left Panel (Tables):**
 - Country
 - Customer ID
 - Customer Name
 - Order Date
 - Order ID
 - Postal Code
 - Product ID
 - Product Name
 - Region
 - Row ID
 - Segment
 - Ship Date
 - Ship Mode
 - State
 - Sub-Category
 - Measure Names
 - avg sales per order 2
 - avg_sales_per_order
 - cal primary
 - cal secondary
 - Calculation!
 - Discount
- Middle Center Panel (Marks):** Shows options for Automation, Color, and Detail.
- Bottom Center Panel (Columns):** A dialog box titled "Count_of_customer_id" contains the formula "COUNTD([Customer ID])". Below it, a message says "The calculation is valid." with "Apply" and "OK" buttons.
- Bottom Right Panel (Data Source):** Lists fields: primary region, secondary region, avg sales per order, avg sales per order 2, count of total orders, count of total orders (2), customer id.
- Bottom Taskbar:** Shows system icons for weather (32°C Cloudy), search, file explorer, browser, and various applications.

The screenshot shows the Tableau Public interface with the following details:

- Top Bar:** File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help.
- Middle Left Panel (Tables):** Same as the first screenshot.
- Middle Center Panel (Marks):** Shows options for Automation, Color, and Detail.
- Bottom Center Panel (Columns):** A dialog box titled "Calculation1" contains the formula "COUNTD([Customer ID])". Below it, a message says "The calculation is valid." with "Apply" and "OK" buttons.
- Bottom Right Panel (Data Source):** Lists fields: primary region, secondary region, avg sales per order, avg sales per order 2, count of total orders, count of total orders (2), customer id.
- Bottom Taskbar:** Shows system icons for weather (32°C Cloudy), search, file explorer, browser, and various applications.

>create a customer id kpi sheet for both region primary and secondary by drag that cal-field into text(marks).



>create a calculated field for product id as count of unique product also.

The screenshot shows the Tableau Public interface with a calculated field editor open. The field name is 'Calculation1' and the formula is 'COUNTD([Product ID])'. A message box at the bottom indicates 'The calculation is valid.' with 'OK' and 'Apply' buttons.

Tableau Public - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop

Data Analytics

Orders (Sample - Superstore)

product id

Calculation1

COUNTD([Product ID])

Drop field here

Drop field here

OK

Apply

The calculation is valid.

Tables

- Customer
- Customer ID
- Customer Name
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- Measure Names
- avg sales per order 2
- avg_sales_per_order
- cal primary
- cal secondary
- Count_of_customer_id
- Discount

Parameters

- primary region
- secondary region

Data Source

primary region **secondary region** **avg sales per order** **avg sales per order 2** **count of total orders** **count of total orders (2)** **customer id** **customer id (2)** **product id**

32°C Cloudy

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Tableau Public Desktop

Data Analytics

Orders (Sample - Superstore)

product id

Drop field here

count_of_product_id

COUNTD([Product ID])

Drop field here

OK

Apply

The calculation is valid.

Tables

- Customer
- Customer ID
- Customer Name
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- Measure Names
- avg sales per order 2
- avg_sales_per_order
- cal primary
- cal secondary
- Count_of_customer_id
- Count_of_product_id

Parameters

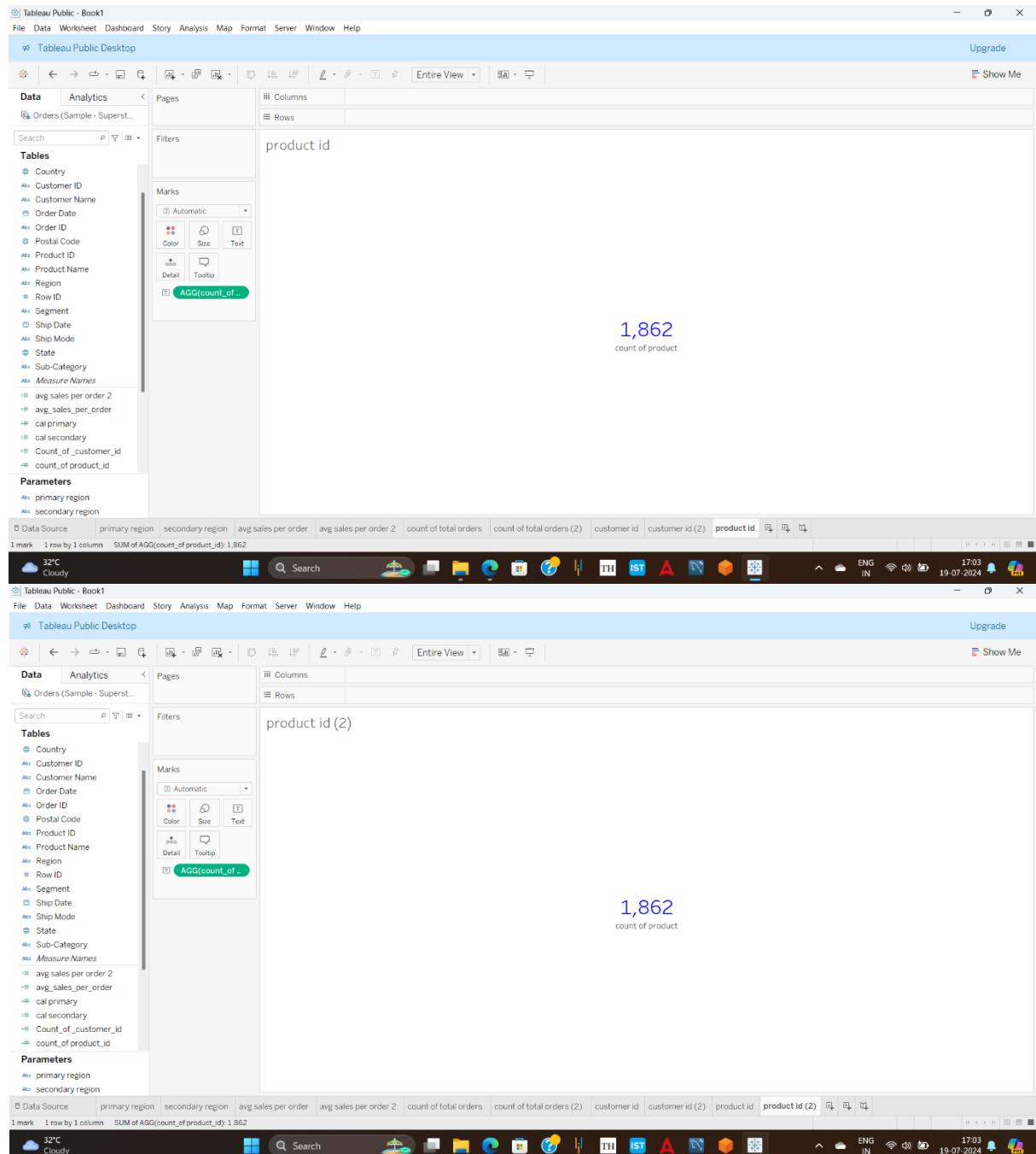
- primary region
- secondary region

Data Source

primary region **secondary region** **avg sales per order** **avg sales per order 2** **count of total orders** **count of total orders (2)** **customer id** **customer id (2)** **product id**

32°C Cloudy

>create a (kpi) card of product id for both region by drag that cal-field into text(marks) .

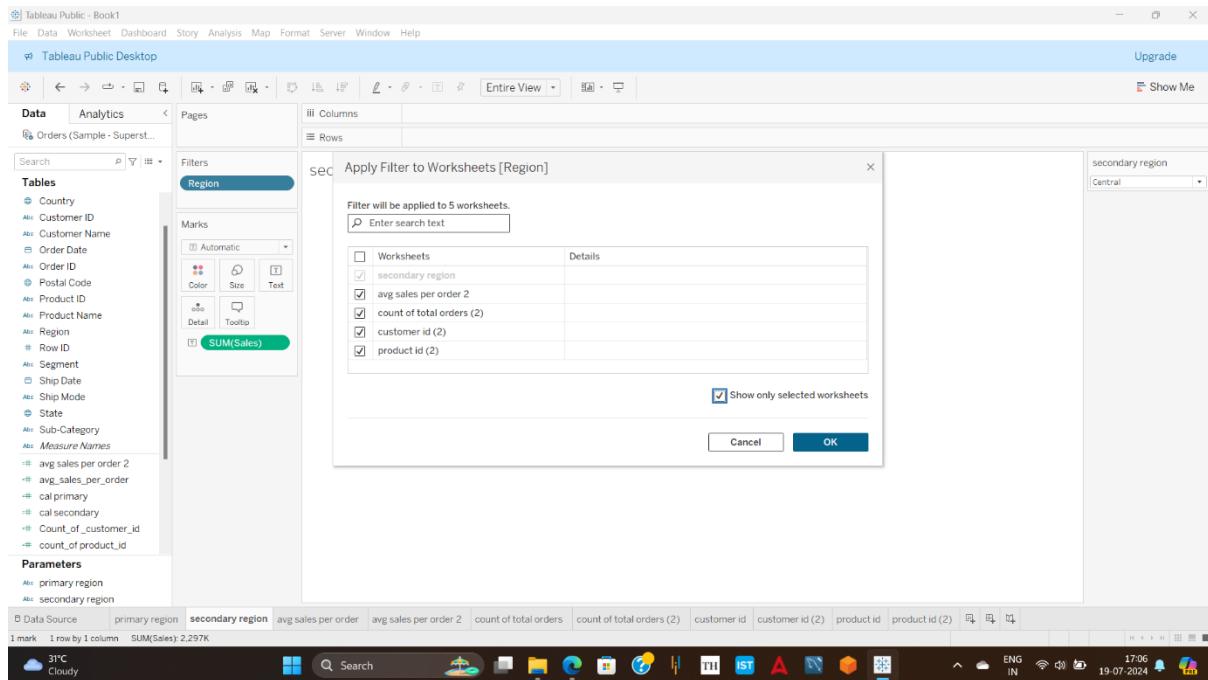


>create a region wise filter in primary region and apply that filter to all respective worksheets related to primary region.

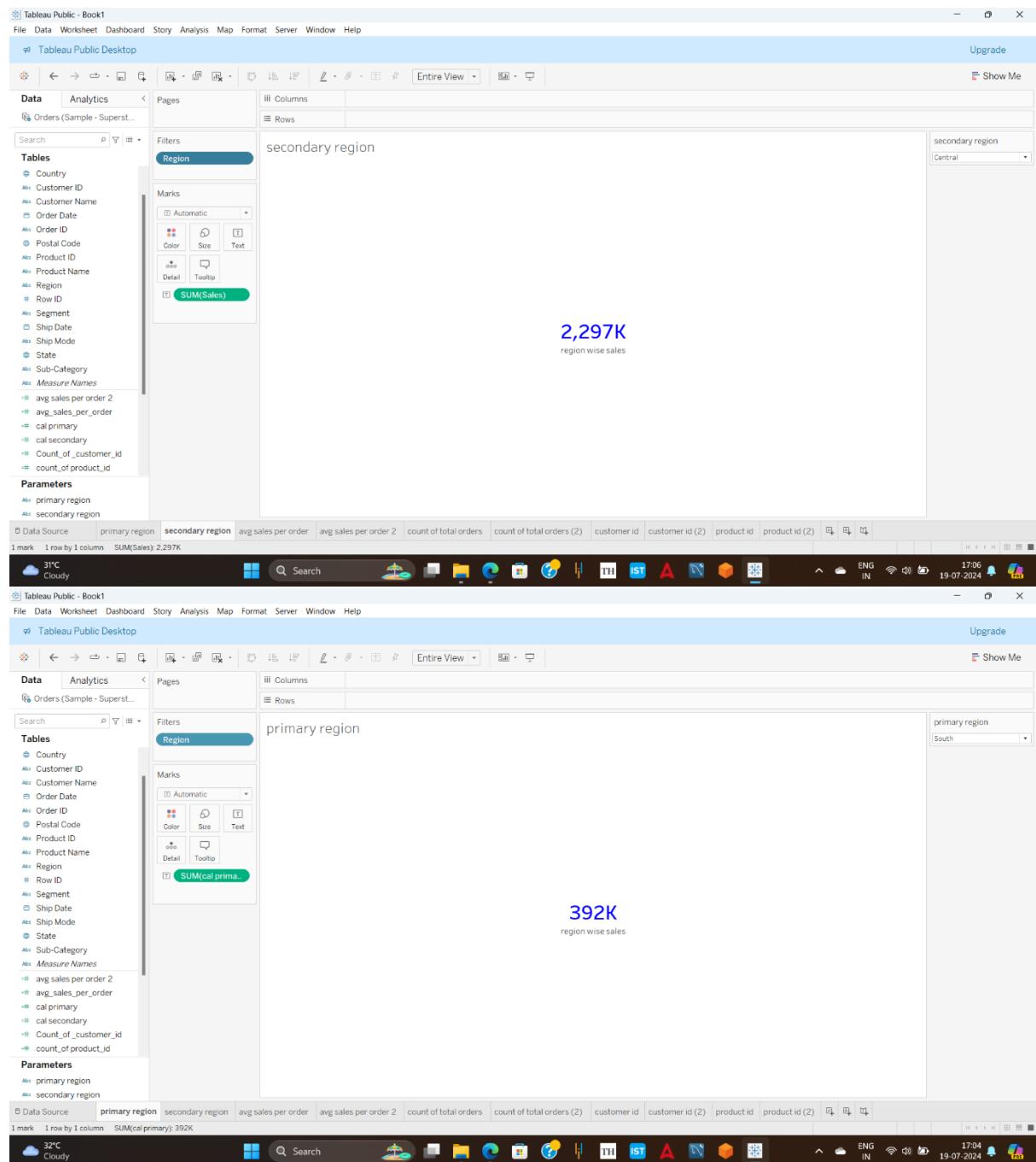
The screenshot shows the Tableau Public interface with the following details:

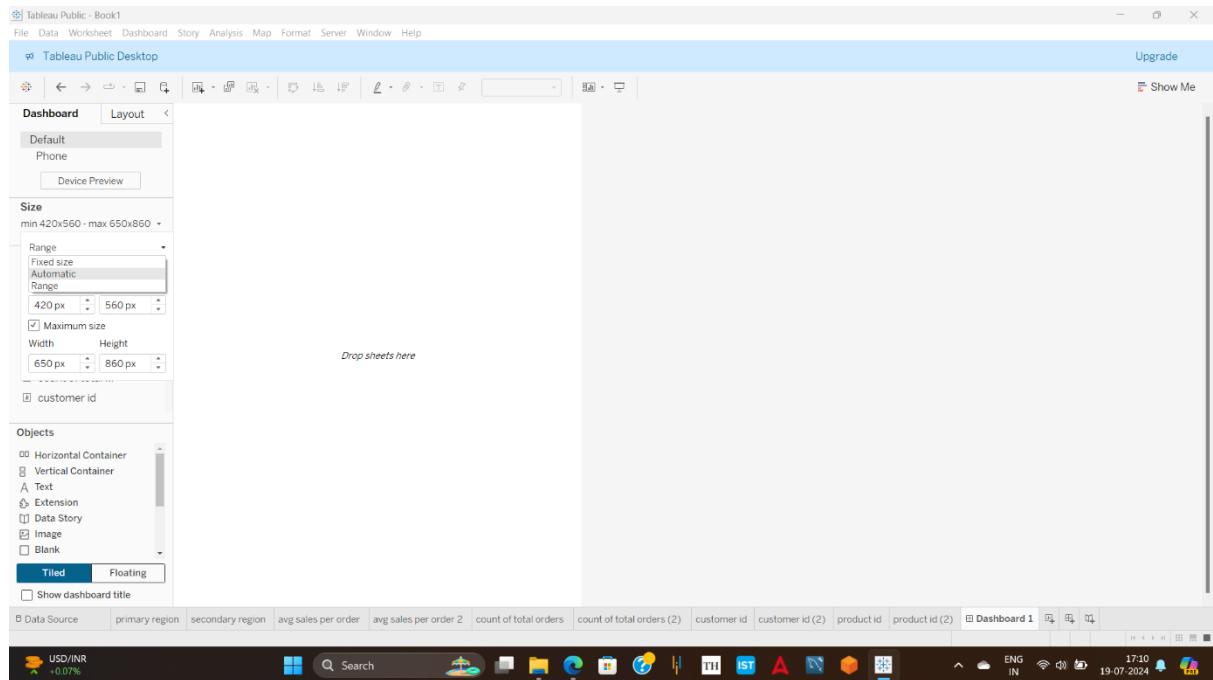
- Top Window:** A "Filter [Region]" dialog box is open. It has tabs for General, Wildcard, Condition, and Top. Under General, the "Select from list" option is selected, and the dropdown shows "primary region" with "South" highlighted. The "Summary" section shows "Field: [Region]", "Selection: Selected 0 of 4 values", "Wildcard: All", and "Condition: None". Buttons at the bottom include Reset, OK, Cancel, and Apply.
- Bottom Window:** A second instance of Tableau Public is shown, displaying a dashboard with multiple worksheets. A "pri" (primary) filter is applied to the worksheets. A "Apply Filter to Worksheets [Region]" dialog box is open, showing a list of items with checkboxes:
 - Worksheets (checkbox)
 - primary region (checkbox, checked)
 - avg sales per order (checkbox, checked)
 - count of total orders (checkbox, checked)
 - customer id (checkbox, checked)
 - product id (checkbox, checked)
 A checkbox for "Show only selected worksheets" is also present. Buttons at the bottom are Cancel and OK.
- System Status Bar:** At the bottom of the screen, the taskbar shows system icons like battery level (32°C Cloudy), search, file explorer, and browser, along with system status like ENG IN, 17:04, and 19-07-2024.

>create a duplicate region wise filter for secondary region and on their respective worksheets.

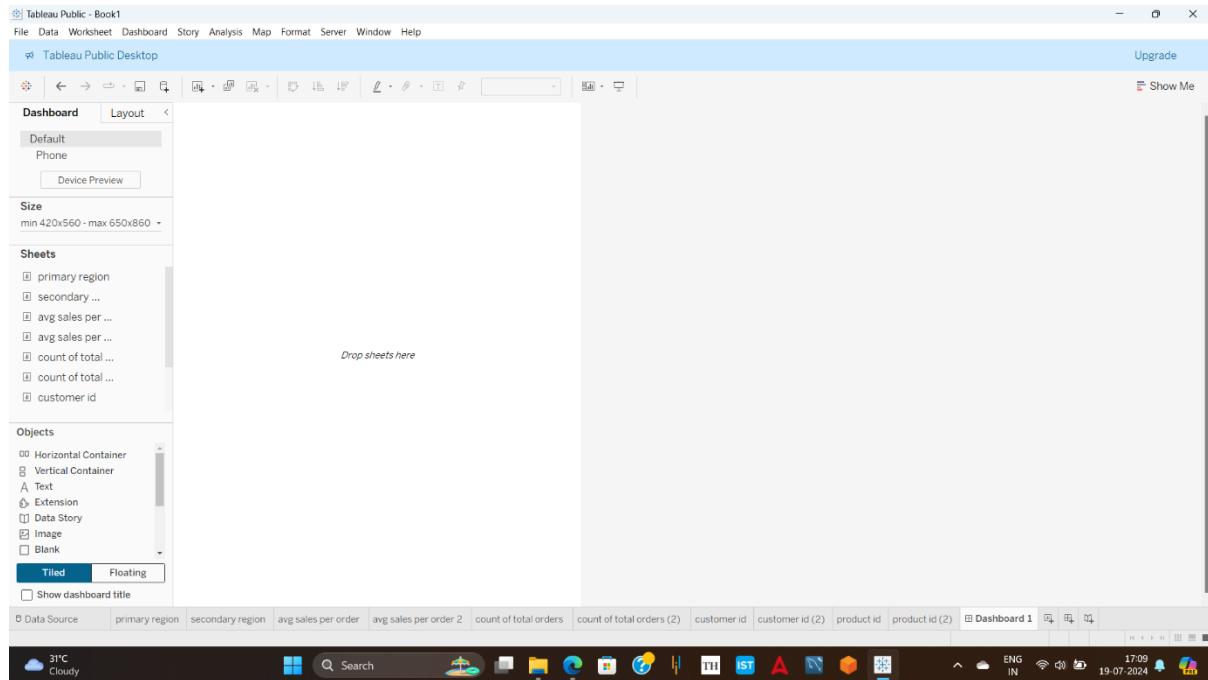


> filter region wise for primary and secondary worksheet created.

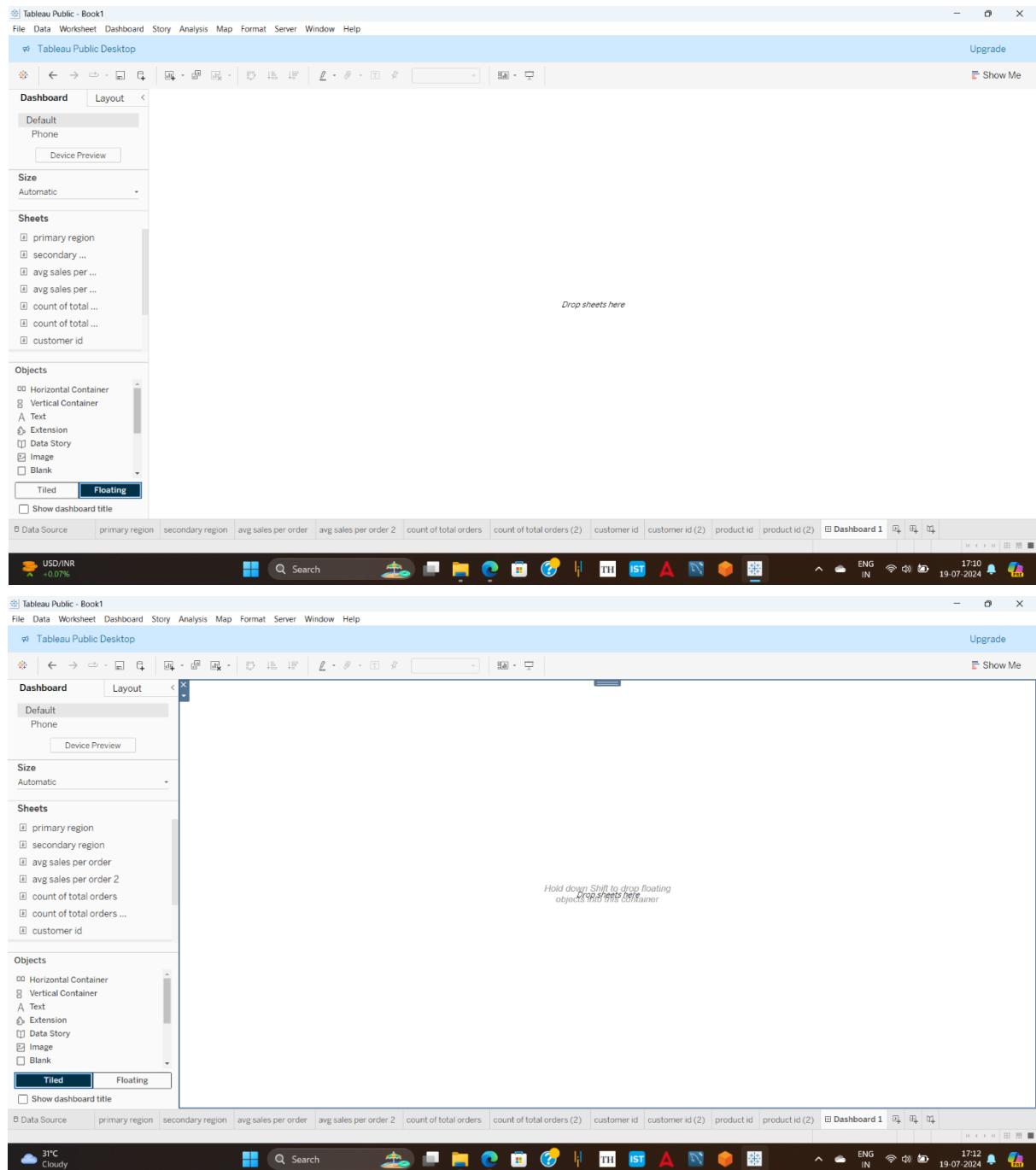




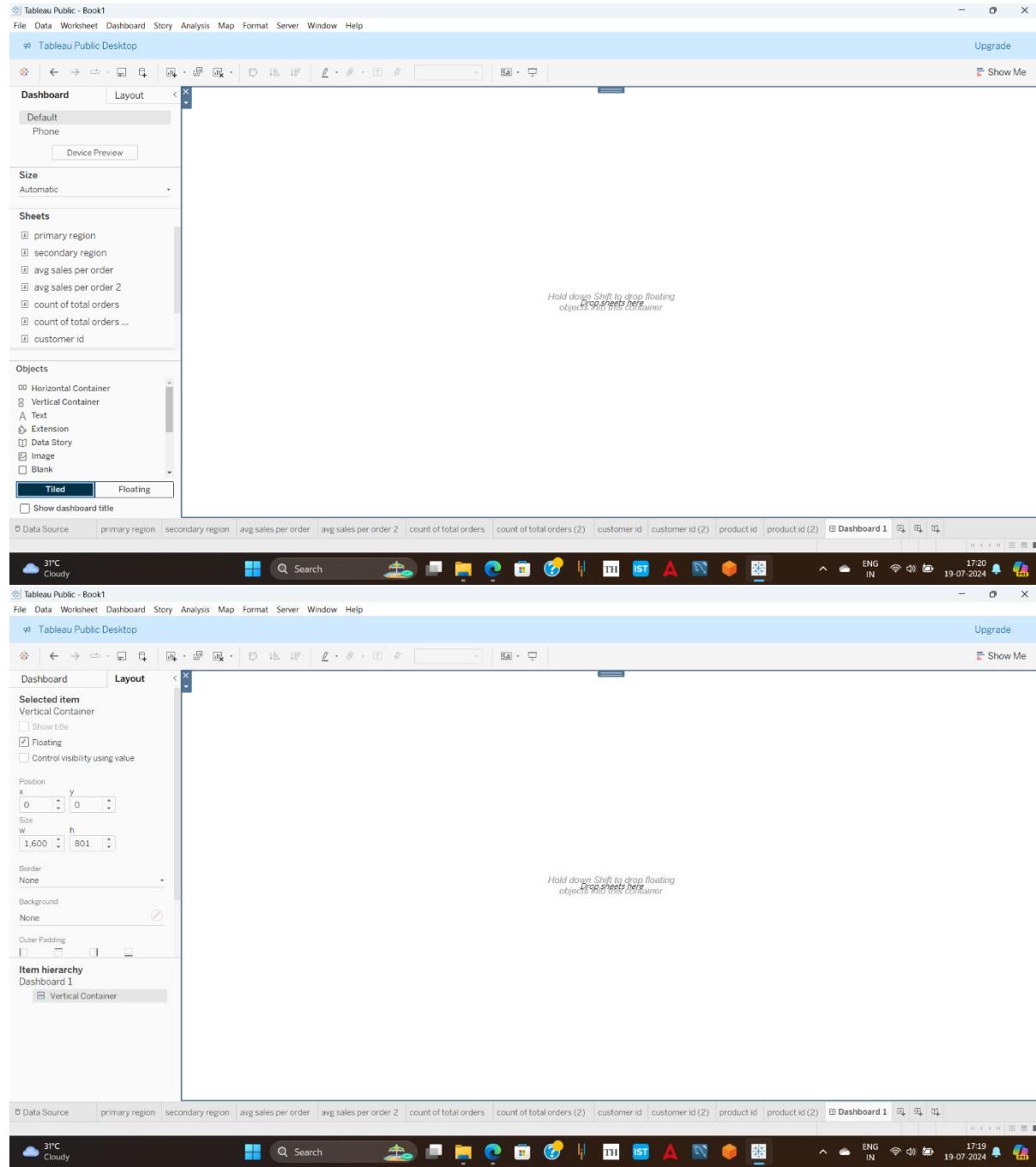
>create a dashboard and then make its size to fixed or automatic as you want.



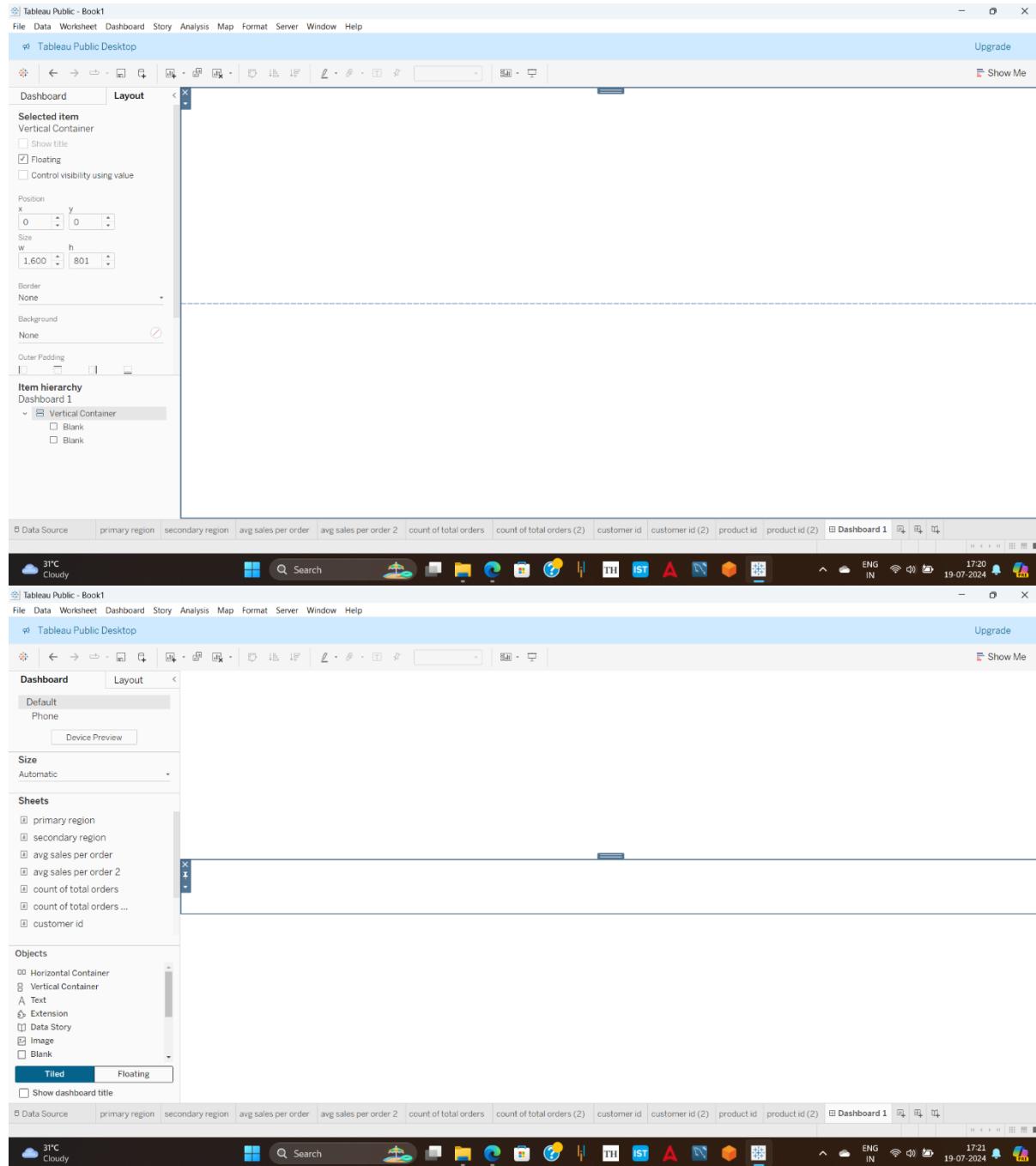
► Go to floating and drag a vertical container.



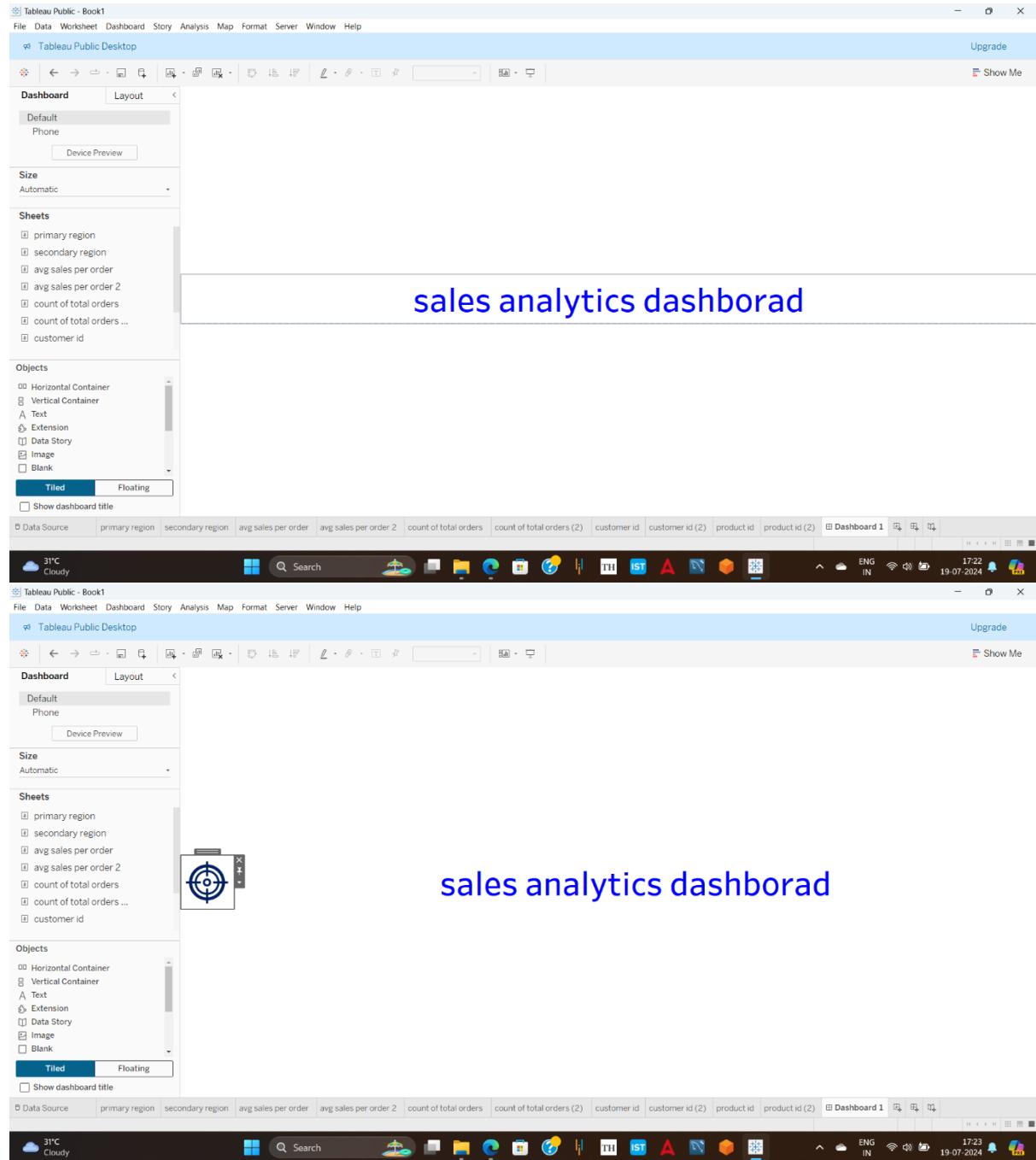
>after drag a vertical container go to tiled and drag two blanks one at centre one at below grey are.

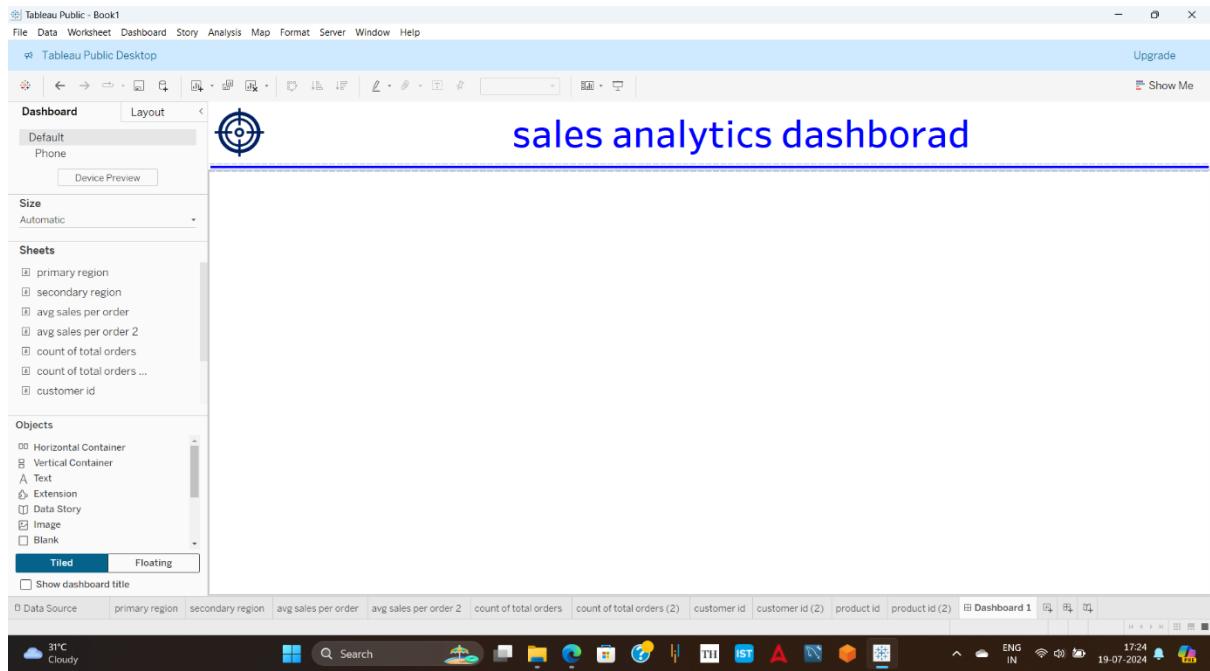


➤ As you see we get a dotted line and shown in hierarchy as well and now drag horizontal container below line and edit height of it.

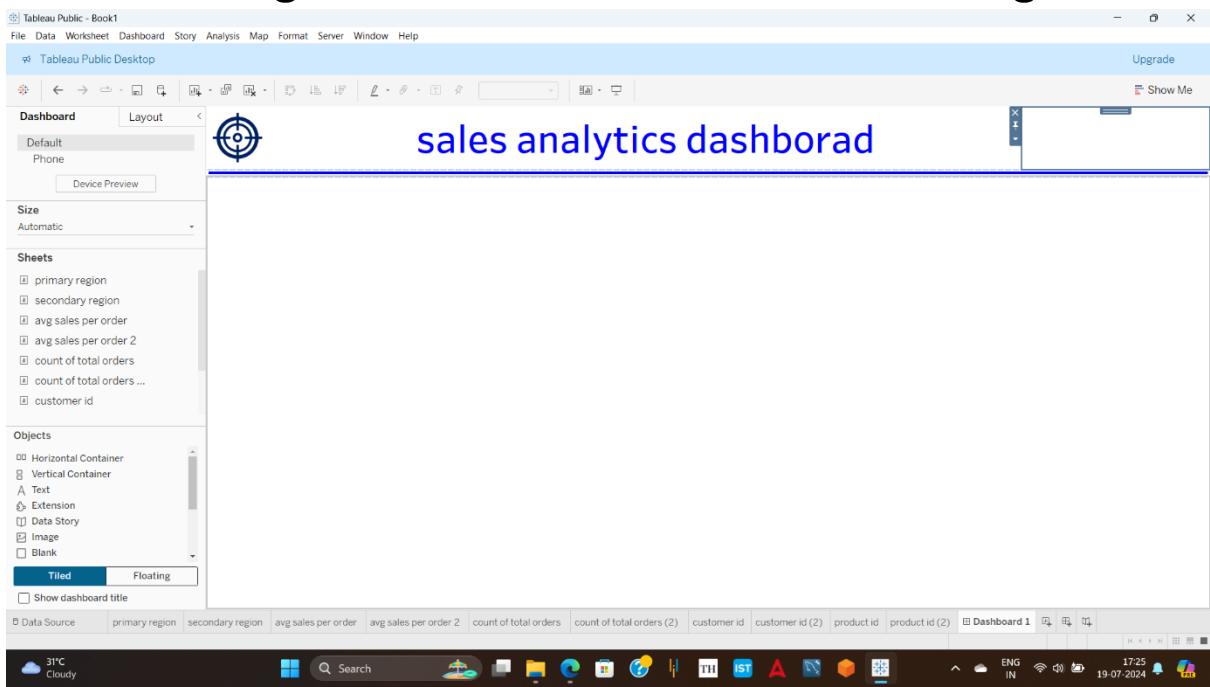


>drag a text object inside that container and write a title for it as well as drag an image to the left grey area to set logo for it inside that title box





>delete a container above title to let title set at the top and then drag a small container and edit its height.



>drag two vertical container inside a dashboard then edit its height to evenly matched.and then started dragging the sheets for primary region and the filter applied to their respective sheets as evenly distributed.

The screenshot shows the Tableau Public interface with a dashboard titled "sales analytics dashborad". The dashboard contains five measures:

Measure	Value	Detail
primary region	392K	region wise sales
avg sales per order	0.02300	avg per order sales
count of total orders	9,994	count pf orders
customer id	793	count of customer
product id	1,862	count of product

The dashboard is set to "Floating" mode and includes a vertical container for grouping the measures. The objects panel shows the selected "Vertical Container" object.

>drag the data of secondary region and its respective data sheets to the other container as evenly distributed now we apply the para- filter region wise shown in the small container beside title-and shown as we filter it the data inside kpi changes as shown.

The image shows two side-by-side screenshots of the Tableau Public interface, each displaying a dashboard titled "sales analytics dashboard".

Top Dashboard (Primary Region Filtered):

- Primary Region:** Central
- Secondary Region:** Central
- Data:**

Region	Value	Detail
primary region	501K	region wise sales
avg sales per order	0.09289	avg per order sales
count of total orders	2,323	count pf orders
customer id	629	count of customer
product id	1,310	count of product
- Secondary Region:** Central
- Data:**

Region	Value	Detail
secondary region	501K	region wise sales
avg sales per order 2	0.09289	avg per order sales
count of total orders (2)	2,323	count pf orders
customer id (2)	629	count of customer
product id (2)	1,310	count of product

Bottom Dashboard (Primary Region Filtered):

- Primary Region:** East
- Secondary Region:** Central
- Data:**

Region	Value	Detail
primary region	679K	region wise sales
avg sales per order	0.08369	avg per order sales
count of total orders	2,848	count pf orders
customer id	674	count of customer
product id	1,422	count of product
- Secondary Region:** Central
- Data:**

Region	Value	Detail
secondary region	501K	region wise sales
avg sales per order 2	0.09289	avg per order sales
count of total orders (2)	2,323	count pf orders
customer id (2)	629	count of customer
product id (2)	1,310	count of product

➤ As we shown the data changes as we select diff region you can format the dashboard -by background colour.

