

PILL THAT DEFINES THE PANE IN BOTH ROWS AND COLUMNS SHELF

As per Tableau official documentation a **Pane** is defined by the intersection of fields on the **rows** and **columns** shelves.

By default, it is always the **second last pill** in the **Rows** or **Columns** Shelf as applicable (based on the Viz Layout) that will define the **Pane**.

We will go through a simple table calculation (**Percent of Total**) in a **cross-tabs** visual. As this way it will be easy to check the **Pane definition** using the **Edit Table Calculation** option.

PILL THAT DEFINES THE PANE

Step 1: Let us assume that we have the below mentioned cross-tabs visual

Pages

Filters

Marks

Columns

Rows

Ship Mode

Segment

Category

Segment	Ship Mode	Category	Region / Order Date						Grand Total
			Central			South			
			2020	2021	Total	2020	2021	Total	
Consumer	First Class	Office Supplies	786	4,815	5,601	2,658	3,601	6,259	11,860
		Technology	977	1,586	2,563	1,559	506	2,065	4,628
		Total	1,763	6,401	8,164	4,217	4,106	8,324	16,488
	Same Day	Office Supplies	170	1,582	1,753	275	508	783	2,535
		Technology	1,735	340	2,075	3,289	627	3,916	5,992
		Total	1,905	1,923	3,828	3,564	1,135	4,699	8,527
Total		3,668	8,324	11,992	7,781	5,242	13,023	25,015	
Grand Total			3,668	8,324	11,992	7,781	5,242	13,023	25,015

Ship Mode

Segment

Category

Region

Ship Mode

Segment

Category

Region

PILL THAT DEFINES THE PANE

Step 2: Right-click on SUM(Sales) in Marks shelf,
Select **Quick Table Calculation > Percent of Total**

es the Pane both

Columns: Region, YEAR(Order Date)
Rows: Segment, Ship Mode, Category

Filters: YEAR(Order Date), Region, Category, Segment: Consumer, Ship Mode

Marks: SUM(Sales)

Context Menu:

- Filter...
- Show Filter
- Format...
- Include in Tooltip
- Dimension
- Attribute
- Measure (Sum)
 - Discrete
 - Continuous
- Edit in Shelf
- Add Table Calculation...
- Quick Table Calculation
 - Total using (Automatic)
 - Percent of Total
- Remove

Pivot Table Data:

			Region / Order Date						Grand Total
			Central			South			
Segment	Ship Mode	Category	2020	2021	Total	2020	2021	Total	
Consumer	First Class	Office Supplies	786	4,815	5,601	2,658	3,601	6,259	11,860
		Technology	977	1,586	2,563	1,559	506	2,065	4,628
		Total	1,763	6,401	8,164	4,217	4,106	8,324	16,488
Same Day	Office Supplies	Office Supplies	170	1,582	1,753	275	508	783	2,535
		Technology	1,735	340	2,075	3,289	627	3,916	5,992
		Total	1,905	1,923	3,828	3,564	1,135	4,699	8,527
			3,668	8,324	11,992	7,781	5,242	13,023	25,015
			3,668	8,324	11,992	7,781	5,242	13,023	25,015

Ship Mode: (All), First Class, Same Day, Second Class, Standard Class

Segment: (All), Consumer, Corporate, Home Office

Category: (All), Furniture, Office Supplies, Technology

Region: (All), Central, East, South, West

PILL THAT DEFINES THE PANE

Step 3: Right-click on SUM(Sales) in Marks shelf,
Select **Edit Table Calculation**

Pages

Columns: Region, YEAR(Order Date)

Rows: Segment, Ship Mode, Category

Filters: YEAR(Order Date), Region, Category, Segment: Consumer, Ship Mode

Marks: Automatic, Color, Size, Text, Detail, Tooltip, SUM(Sales)

Pill that defines the Pane both in Rows and Columns Shelf

Segment	Ship Mode	Category	Region / Order Date						Grand Total	
			Central			South				
			2020	2021	Total	2020	2021	Total		
Consumer	First Class	Office Supplies	6.63%	40.60%	47.23%	22.41%	30.36%	52.77%	100.00%	
		Technology	21.12%	34.27%	55.38%	33.69%	10.93%	44.62%	100.00%	
		Total	10.69%	38.82%	49.52%	25.58%	24.91%	50.48%	100.00%	
	Same Day	Office Supplies	6.71%	62.41%	69.12%	10.84%	20.04%	30.88%	100.00%	
		Technology	28.96%	5.68%	34.64%	54.89%	10.47%	65.36%	100.00%	
		Total	22.34%	22.55%	44.89%	41.79%	13.31%	55.11%	100.00%	
			14.66%	33.28%	47.94%	31.10%	20.95%	52.06%	100.00%	
			14.66%	33.28%	47.94%	31.10%	20.95%	52.06%	100.00%	
			14.66%	33.28%	47.94%	31.10%	20.95%	52.06%	100.00%	

Ship Mode

- ☐ (All)
- ☒ First Class
- ☒ Same Day
- ☐ Second Class
- ☐ Standard Class

Segment

- ☐ (All)
- ☒ Consumer
- ☐ Corporate
- ☐ Home Office

Category

- ☐ (All)
- ☐ Furniture
- ☒ Office Supplies
- ☒ Technology

Region

- ☐ (All)
- ☒ Central
- ☐ East
- ☒ South
- ☐ West

es the Pane bot

PILL THAT DEFINES THE PANE

Step 4: Select the **Compute Using as Pane (across)**

Region pill in the **Columns Shelf** forms the **Pane** when computing the calculation using **Pane (across)** i.e., it is the **second last pill** in **Columns Shelf**

Table Calculation

% of Total Sales

Calculation Type

Percent of Total

☐ Compute total across all pages

Compute Using

Table (across)
Table (down)
Table
Pane (across)
Pane (down)
Pane
Cell

Specific Dimensions

☒ Year of Order Date
☐ Category
☐ Region
☐ Segment
☐ Ship Mode

At the level

☒ Show calculation assistance

Pill that defines the Pane both in Rows and Columns Shelf

		Region / Order Date			
		2020	2021	Total	2020
Consumer	First Class	Office Supplies	14.03%	85.97%	100.00%
		Technology	38.13%	61.87%	100.00%
		Total	21.60%	78.40%	100.00%
	Same Day	Office Supplies	9.70%	90.30%	100.00%
		Technology	83.59%	16.41%	100.00%
		Total	49.77%	50.23%	100.00%
	Total		30.59%	69.41%	100.00%
Grand Total			30.59%	69.41%	100.00%

Filters

YEAR(Order Date)
Region
Category
Segment: Consumer
Ship Mode

Marks

Automatic

Color
Size
Text

Detail
Tooltip

SUM(Sales)

Ship Mode

☐ (All)
☒ First Class
☒ Same Day
☐ Second Class
☐ Standard Class

Segment

☐ (All)
☒ Consumer
☐ Corporate
☐ Home Office

Category

☐ (All)
☐ Furniture
☒ Office Supplies
☒ Technology

Region

☐ (All)
☒ Central
☐ East
☒ South
☐ West

PILL THAT DEFINES THE PANE

Step 5: Select the Compute Using as Pane (down)

Ship Mode pill in the **Rows** Shelf forms the **Pane** when computing the calculation using **Pane (down)** i.e., it is the **second last pill** in **Rows** Shelf

Table Calculation: % of Total Sales

Calculation Type: Percent of Total

Compute Using: Pane (down)

Specific Dimensions: Category, Region, Segment, Ship Mode, Year of Order Date

At the level: [Dropdown]

Show calculation assistance: [Checked]

Pill that defines the Pane both in Rows and Columns Shelf

		Region / Order Date				
		2020	2021	Total	2020	
Segment	Ship Mode					
Consumer	First Class	Office Supplies	44.57%	75.22%	68.60%	
	Technology	Office Supplies	55.43%	24.78%	31.40%	
		Total	100.00%	100.00%	100.00%	
Same Day	Office Supplies	8.93%	82.29%	45.78%	7.71%	
	Technology	Office Supplies	91.07%	17.71%	54.22%	92.29%
		Total	100.00%	100.00%	100.00%	100.00%
Total		100.00%	100.00%	100.00%	100.00%	
Grand Total		100.00%	100.00%	100.00%	100.00%	

PILL THAT DEFINES THE PANE

Step 6: Let us swap the order of the pills in the **Columns Shelf**

In **Edit Table Calculation**, Select the **Compute Using as Pane (across)**

Now **YEAR(Order Date)** pill in the **Columns Shelf** forms the **Pane** when computing the calculation using **Pane (across)** i.e., now too the **Pane** is defined by the **second last pill** in **Columns Shelf** for this layout

The screenshot shows the Tableau interface with a table calculation. The Columns shelf contains 'YEAR(Order Date)' and 'Region'. The Rows shelf contains 'Segment', 'Ship Mode', and 'Category'. The Marks shelf is set to 'SUM(Sales)'. A table calculation is applied, showing percentages of total sales. The 'Table Calculation' dialog is open, showing the 'Compute Using' section with 'Pane (across)' selected. The 'Specific Dimensions' section shows 'Region' selected. The 'At the level' dropdown is set to 'Region'. The 'Show calculation assistance' checkbox is checked.

Pill that defines the Pane both in Rows and Columns Shelf

			Order Date / Region			
			2020			
Segment	Ship Mode	Category	Central	South	Total	Central
Consumer	First Class	Office Supplies	22.82%	77.18%	100.00%	57.22%
		Technology	38.53%	61.47%	100.00%	75.82%
		Total	29.48%	70.52%	100.00%	60.92%
	Same Day	Office Supplies	38.23%	61.77%	100.00%	75.70%
		Technology	34.53%	65.47%	100.00%	35.19%
		Total	34.83%	65.17%	100.00%	62.88%
Total			32.04%	67.96%	100.00%	61.36%
Grand Total			32.04%	67.96%	100.00%	61.36%

Table Calculation
% of Total Sales

Calculation Type
Percent of Total

☐ Compute total across all pages

Compute Using

- Table (across)
- Table (down)
- Table
- Pane (across)**
- Pane (down)
- Pane
- Cell

Specific Dimensions

- ☒ Region
- ☐ Category
- ☐ Segment
- ☐ Ship Mode
- ☐ Year of Order Date

At the level **Region**

☒ Show calculation assistance

Filters

- YEAR(Order Date)
- Region
- Category
- Segment: Consumer
- Ship Mode

Marks

Automatic

Color Size Text

Detail Tooltip

SUM(Sales)

Ship Mode

- ☐ (All)
- ☒ First Class
- ☒ Same Day
- ☐ Second Class
- ☐ Standard Class

Segment

- ☐ (All)
- ☒ Consumer
- ☐ Corporate
- ☐ Home Office

Category

- ☐ (All)
- ☐ Furniture
- ☒ Office Supplies
- ☒ Technology

Region

- ☐ (All)
- ☒ Central
- ☐ East
- ☒ South
- ☐ West

PILL THAT DEFINES THE PANE

Step 7: Let us swap the order of the **Ship Mode** and **Category** pills in the **Rows Shelf**
In **Edit Table Calculation**, Select the **Compute Using as Pane (down)**
Now **Category** pill in the **Rows Shelf** forms the **Pane** when
computing the calculation using **Pane (down)** i.e., now too the **Pane** is
defined by the **second last pill** in **Rows Shelf** for this layout

The screenshot shows the Tableau interface with a table calculation. The Columns shelf contains 'YEAR(Order Date)' and 'Region'. The Rows shelf contains 'Segment', 'Category', and 'Ship Mode'. The Marks shelf is set to 'SUM(Sales)'. The table calculation is '% of Total Sales'. The 'Table Calculation' dialog box is open, showing 'Compute Using' set to 'Pane (down)'. The 'Specific Dimensions' section shows 'Ship Mode' selected. The table below shows the results of the calculation.

Pill that defines the Pane both in Rows and Columns Shelf

		2020		Order Date / Region	
Segment	Category	Ship Mode	Central	South	Total
Consumer	Office Supplies	First Class	82.21%	90.63%	88.56%
		Same Day	17.79%	9.37%	11.44%
	Total	100.00%	100.00%	100.00%	100.00%
Technology	First Class	36.03%	32.16%	33.55%	82.33%
		Same Day	63.97%	67.84%	66.45%
	Total	100.00%	100.00%	100.00%	100.00%
Total	100.00%	100.00%	100.00%	100.00%	
Grand Total		100.00%	100.00%	100.00%	100.00%

Table Calculation
% of Total Sales

Calculation Type
Percent of Total
☐ Compute total across all pages

Compute Using
Table (across)
Table (down)
Table
Pane (across)
Pane (down)
Pane
Cell

Specific Dimensions
☒ Ship Mode
☐ Category
☐ Region
☐ Segment
☐ Year of Order Date

At the level _____

☒ Show calculation assistance