

## ABOUT TABLE CALC FILTERS (LATE FILTERING)

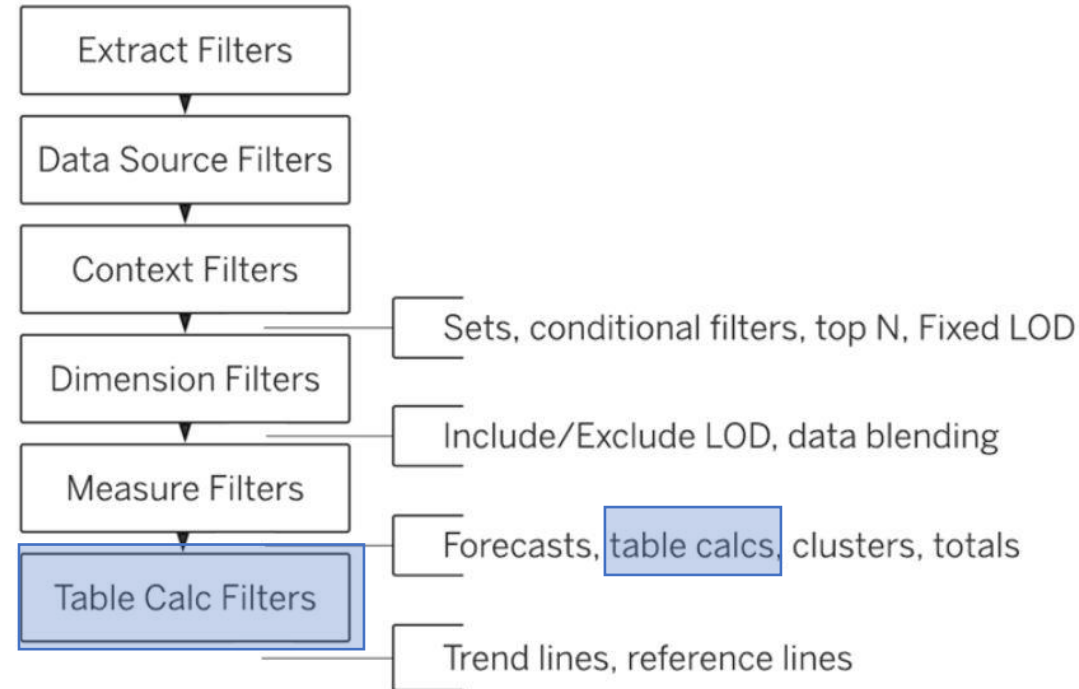
Filters based on table calculations do not filter out underlying data in the data set, because **table calculation filters are applied last** in the **order of operations**.

This means Tableau evaluates any **table calculations in the view first**, and then applies **table calculation filters** on the results in the current view.

But **Table Calculations** are affected by all the preceding filters like **Dimension** and **Measure Filters** to name a few.

# ABOUT TABLE CALC FILTERS (LATE FILTERING)

To understand this concept, we need to check the **Tableau's Order of Operations** includes the following, from top to bottom.

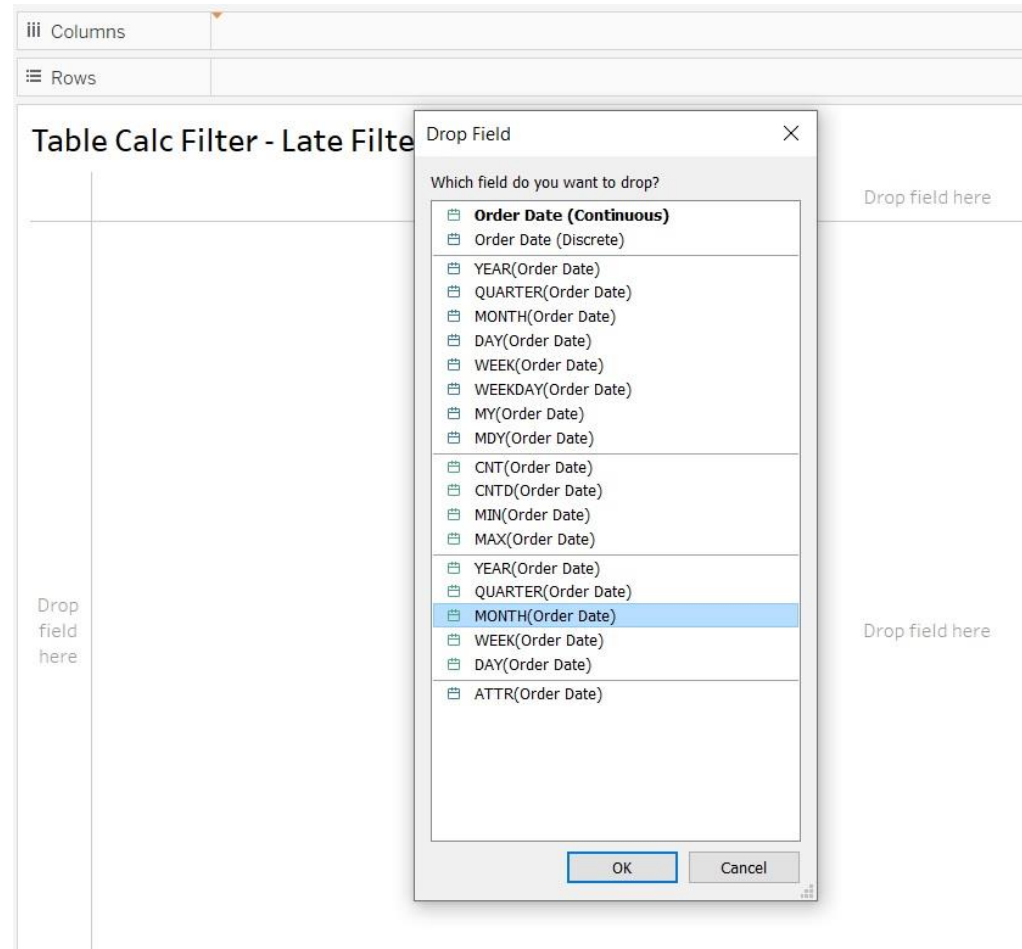


[https://help.tableau.com/current/pro/desktop/en-us/order\\_of\\_operations.htm](https://help.tableau.com/current/pro/desktop/en-us/order_of_operations.htm)

**Table calculations** are placed higher than **Table Calc Filters** themselves. This means that any changes to the **Table Calc Filter will not affect** the results of the **Table Calculation** in the view. Table Calc Filters is also called **Late Filtering**.

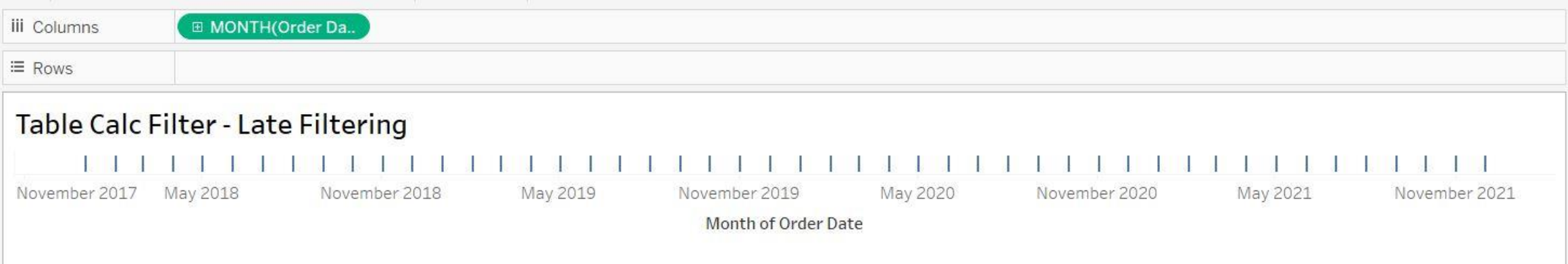
# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 1:** Right-click and drag & drop the **Order Date** to **Columns Shelf**  
Select the data value **MONTH**



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 2:** Now the **MONTH(Order Date)** is present in **Columns Shelf**



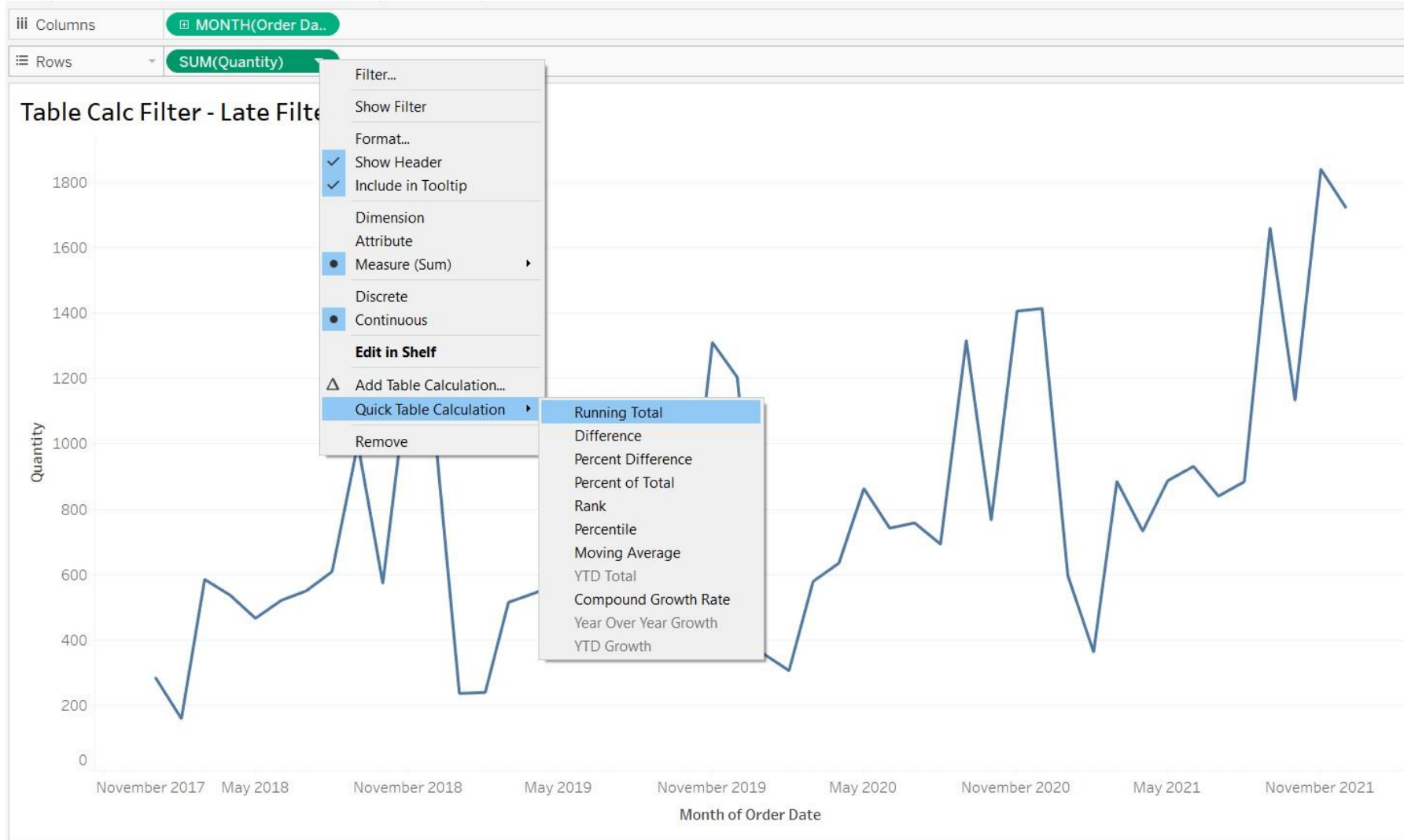
# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

## Step 3: Drag and drop the **Quantity** to **Rows** Shelf



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 4: Right-click **Quantity**, Select **Quick Table Calculation** > **Running Total****



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 5:** Now the view has **Running Total** for **SUM(Quantity)**

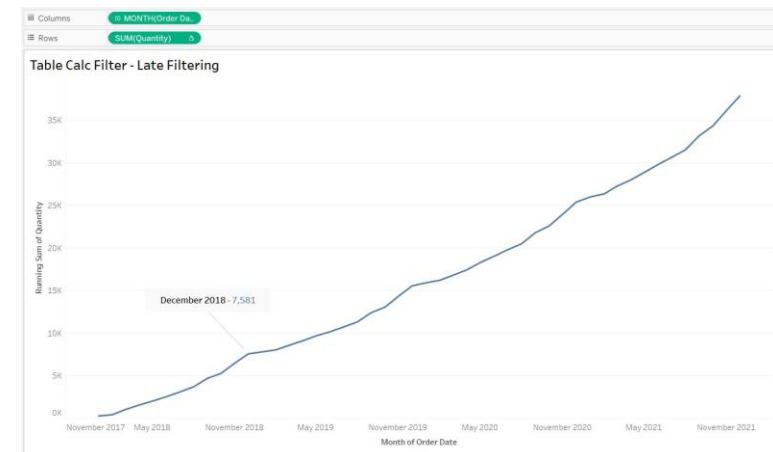
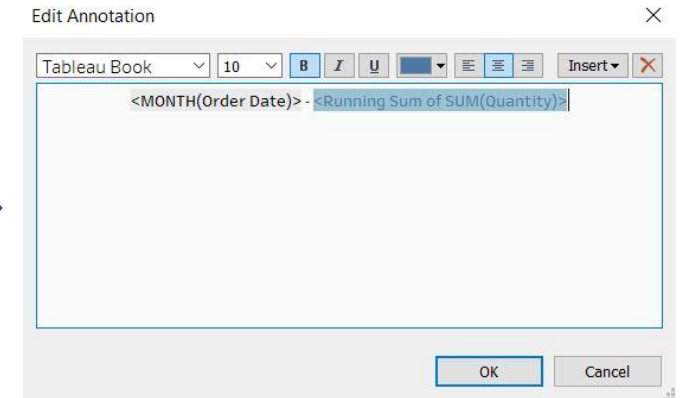
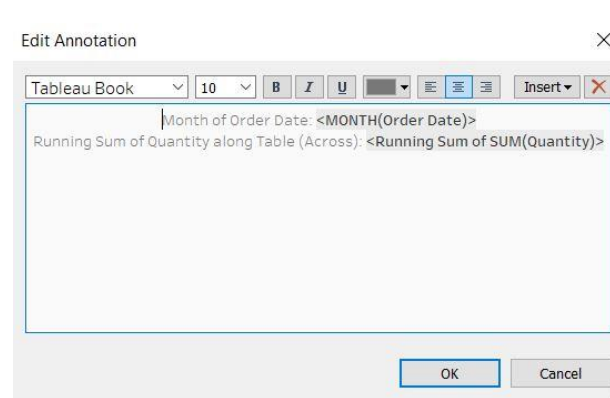
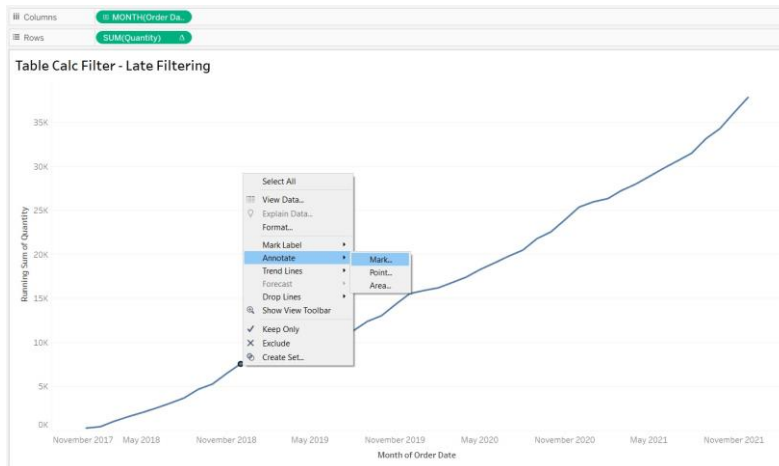


# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 6:** Annotate a particular mark e.g: **December 2018**

Right-click on the mark, Select **Annotate > Mark**

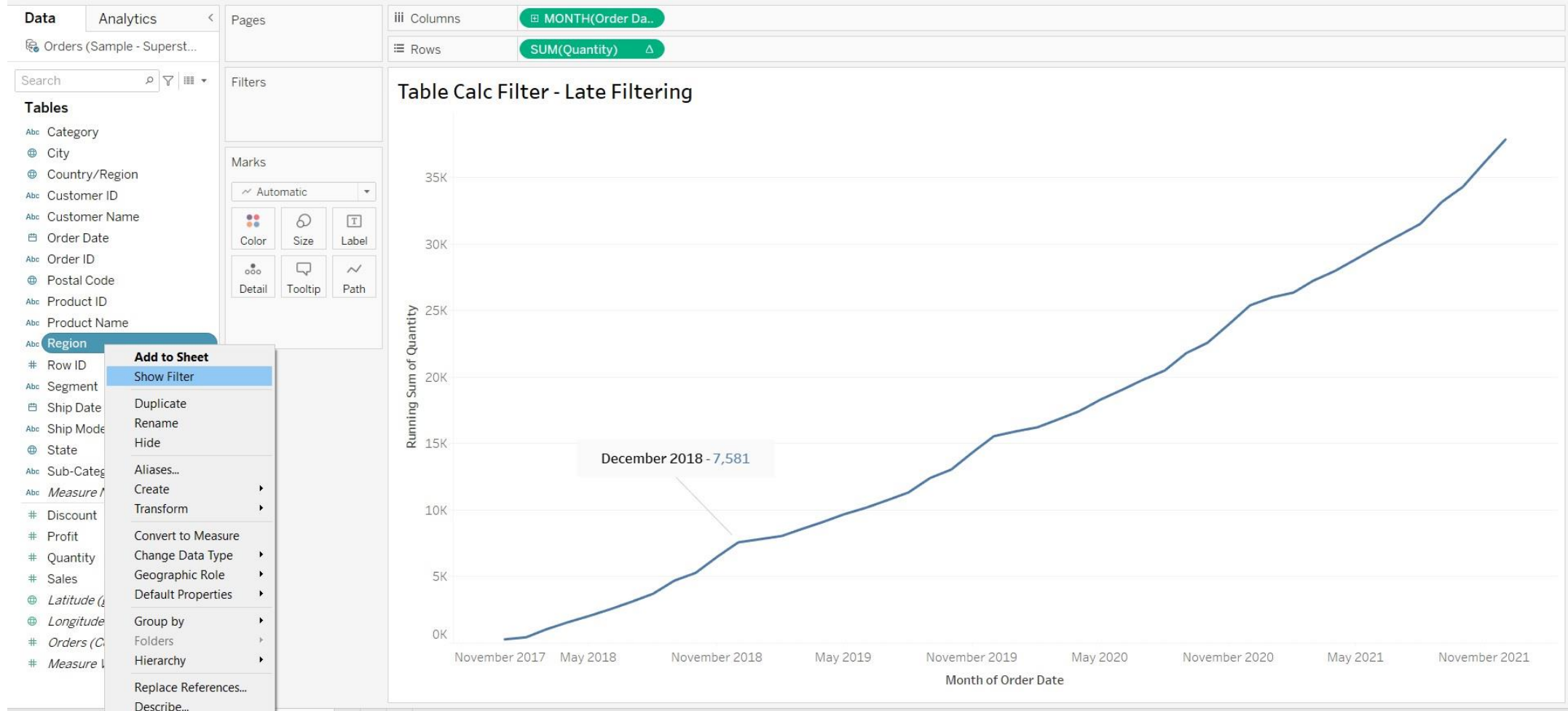
Make changes to only display the values e.g: **December 2018 - 7,581**





# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

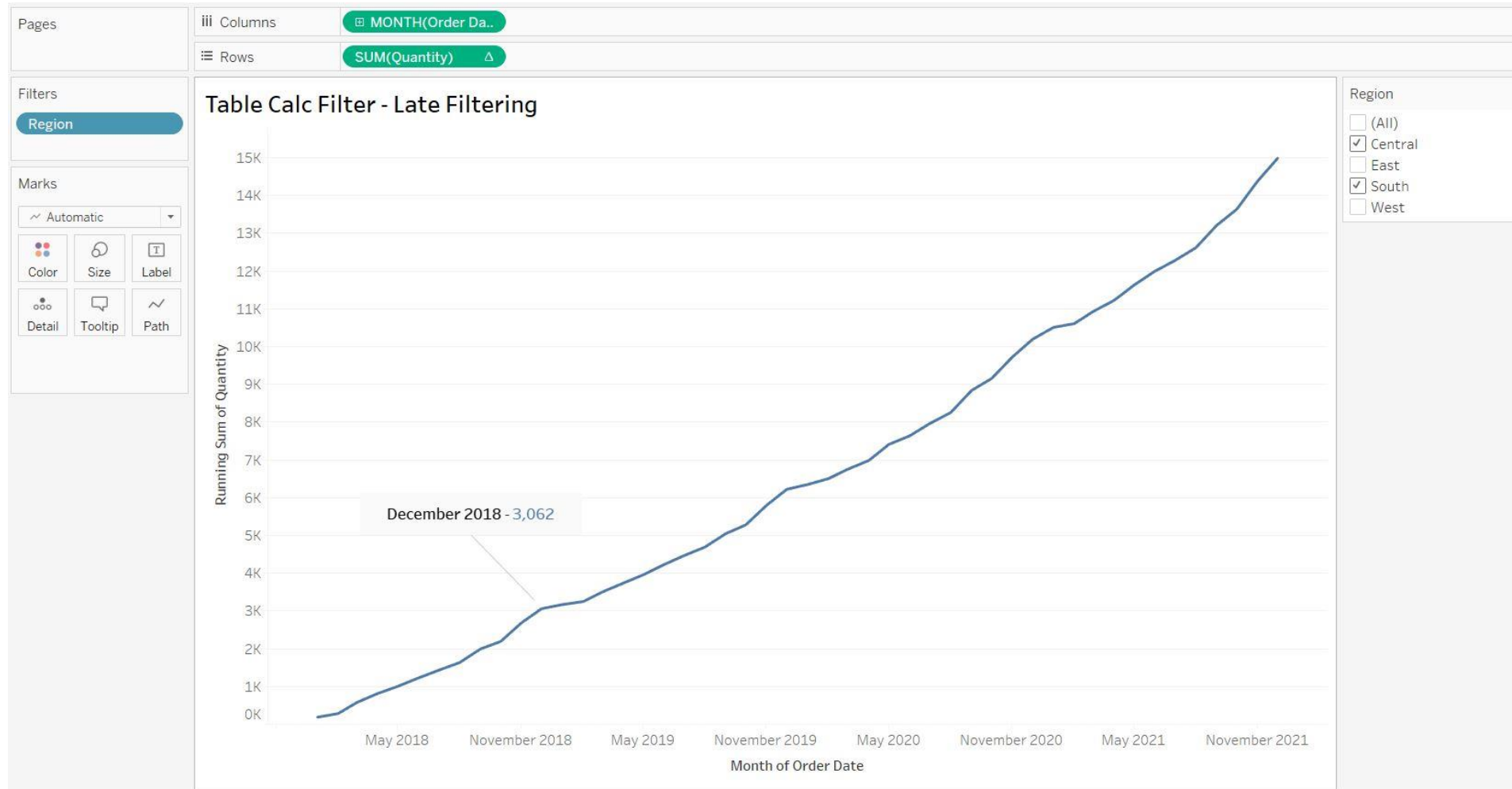
## Step 7: Right-click on **Region** in the **Data** pane, Select **Show Filter**



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

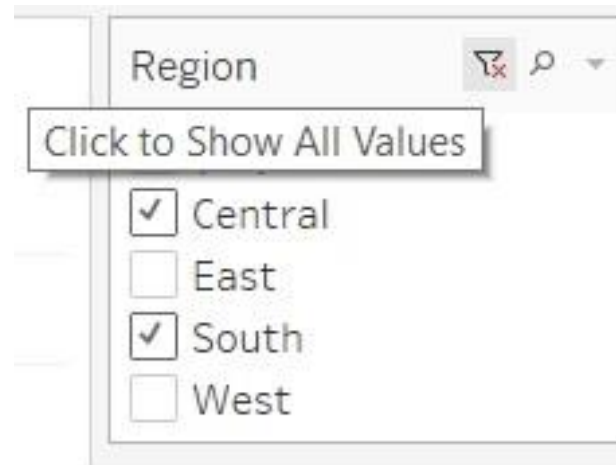
**Step 8:** De-select **East** and **West** from the **Region** filter legend

Observe that the value shown in the mark changes **December 2018 - 3,062**



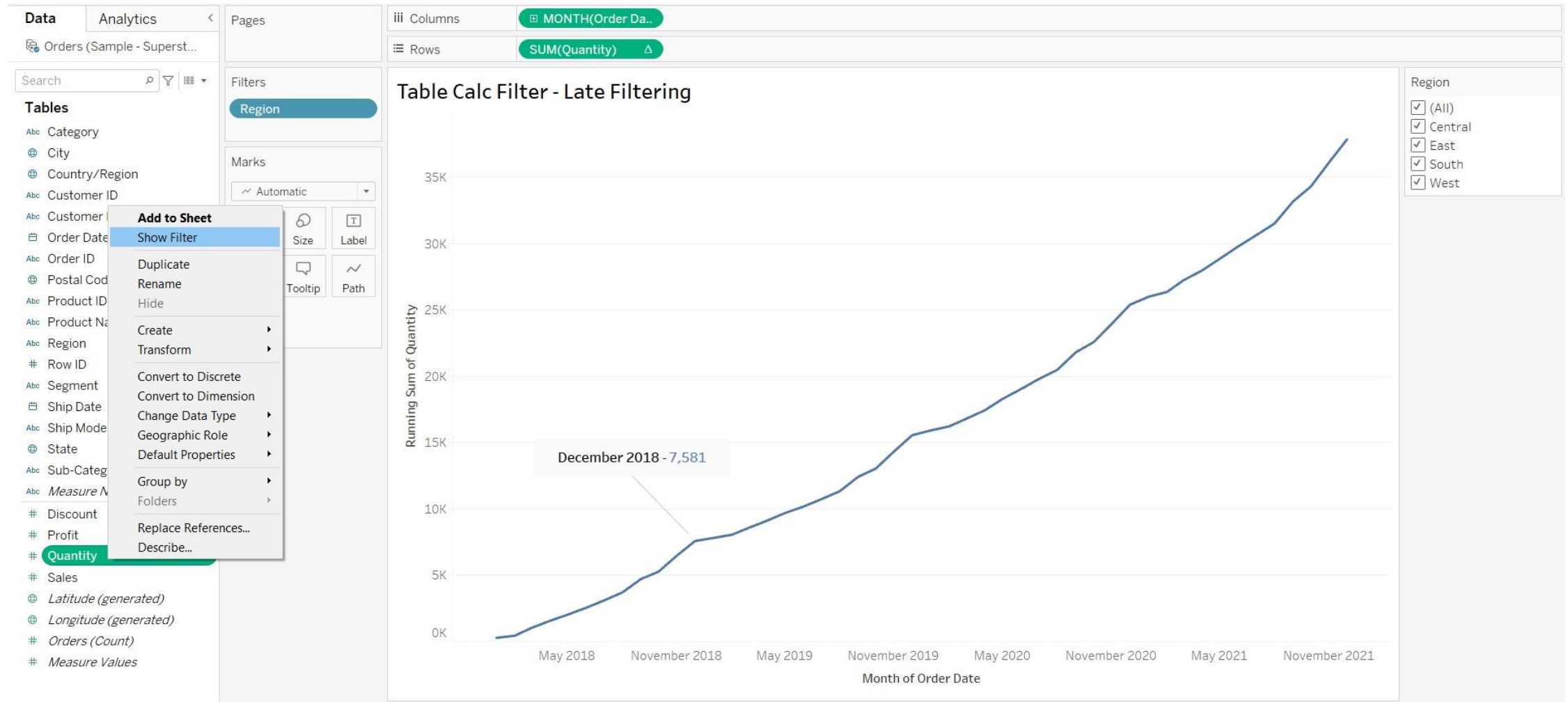
# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 9:** Click on **Click to Show All Values** to reset the **Region** filter



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

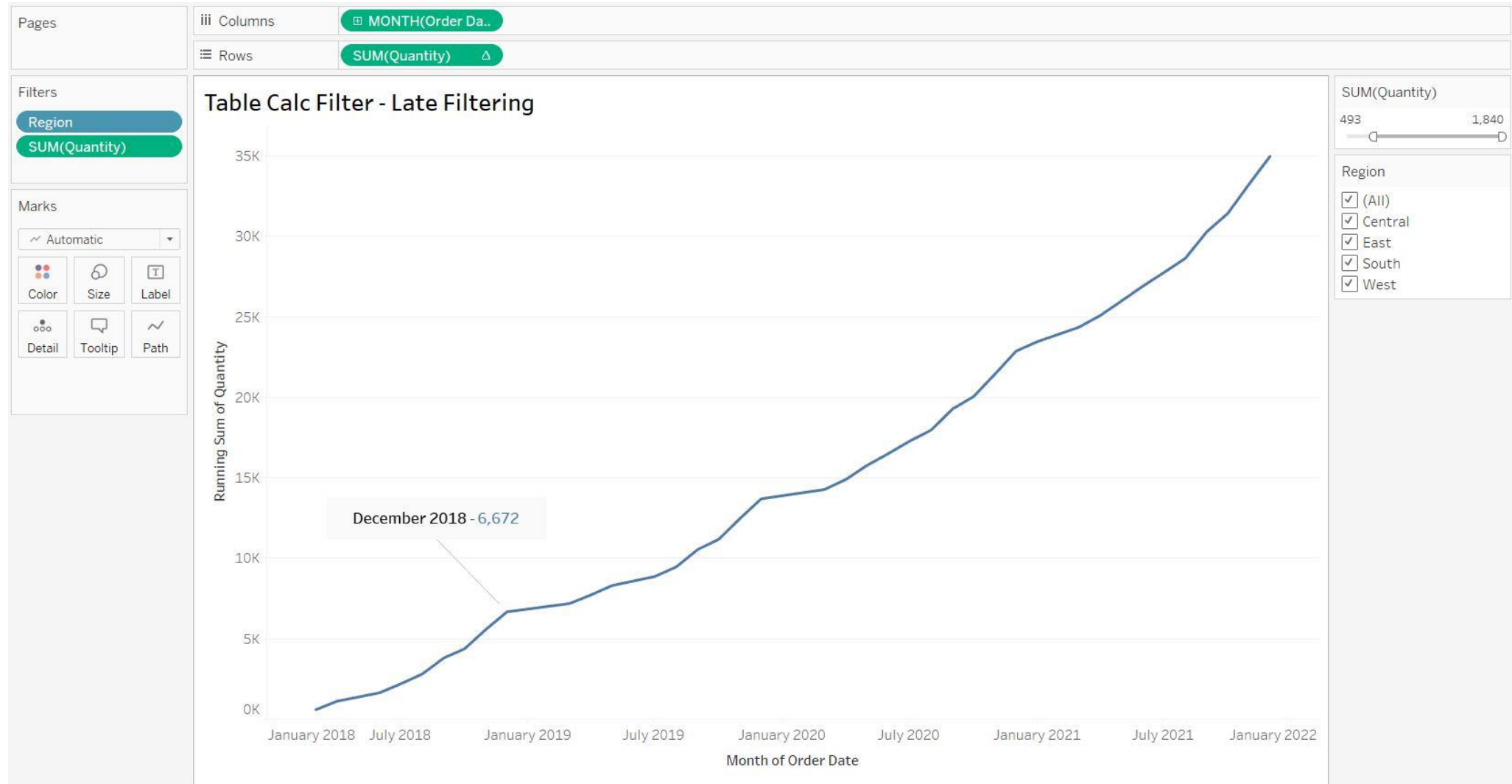
## Step 10: Right-click on **Quantity** in the **Data** pane, Select **Show Filter**



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

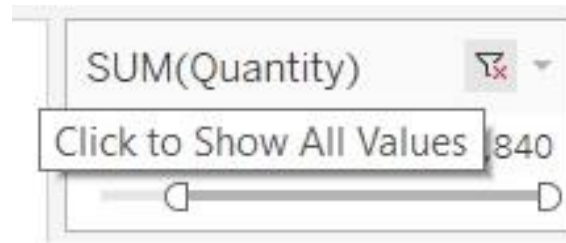
**Step 11:** Change the position of slider (as shown)

Observe that the value shown in the mark changes e.g: **December 2018 - 6,672**



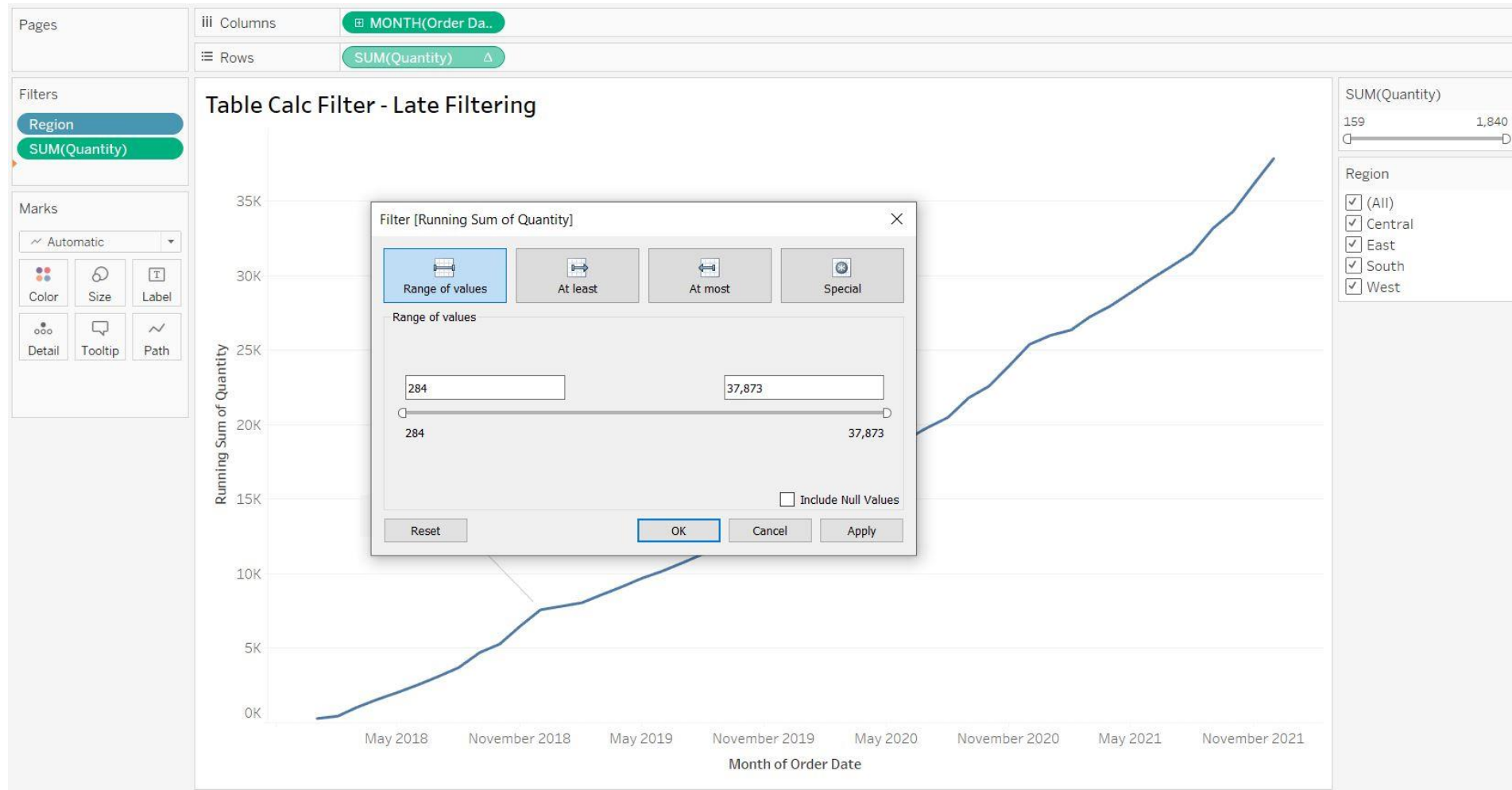
# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 12:** Click on **Click to Show All Values** to reset the **SUM(Quantity)** filter



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 13:** Ctrl/Command + drag the **Quantity Quick Table Calculation** pill from **Rows Shelf** to **Filters Shelf**  
Click **OK**



# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 14:** Right-click **Quantity Quick Table Calculation pill** in **Filters** shelf and select **Show Filter**





# STEPS TO ADD A TABLE CALC FILTER AND CHECK RESULTS

**Step 15:** Change the position of slider (as shown)

Observe that the value shown in the mark remains unchanged from the initial un-filtered value e.g: **December 2018 - 7,581**

**Only the view is adjusted** but the underlying **values of table calculation** **do not change**.

