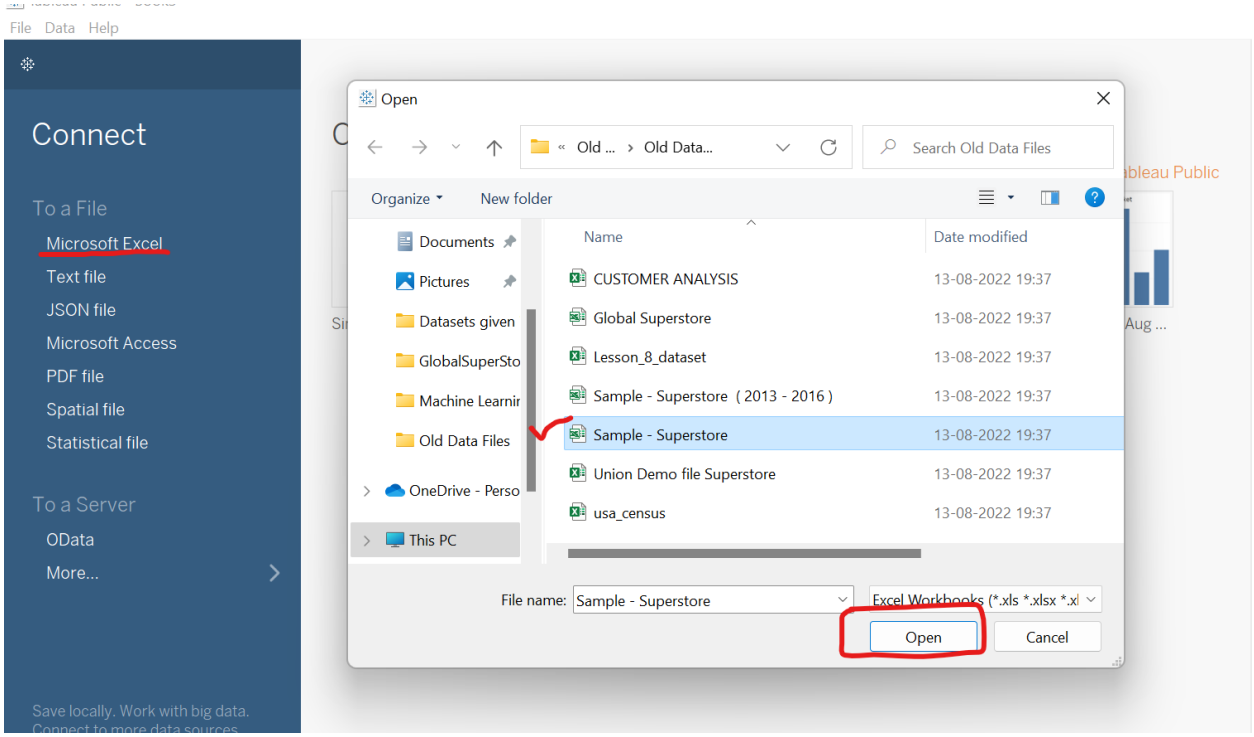
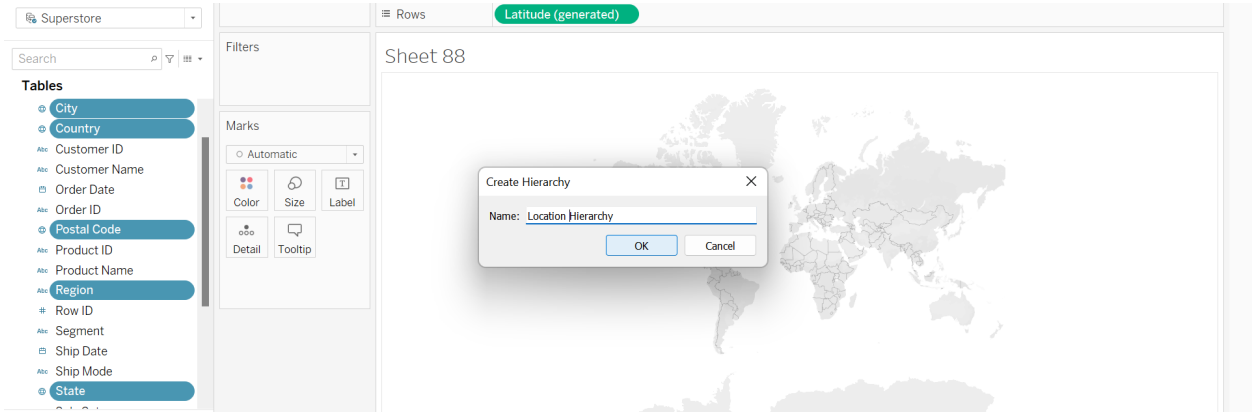
Tableau Project
Comparison of Region based on Sales

- We will Open Tableau Public and select Sample-Superstore as our data source.



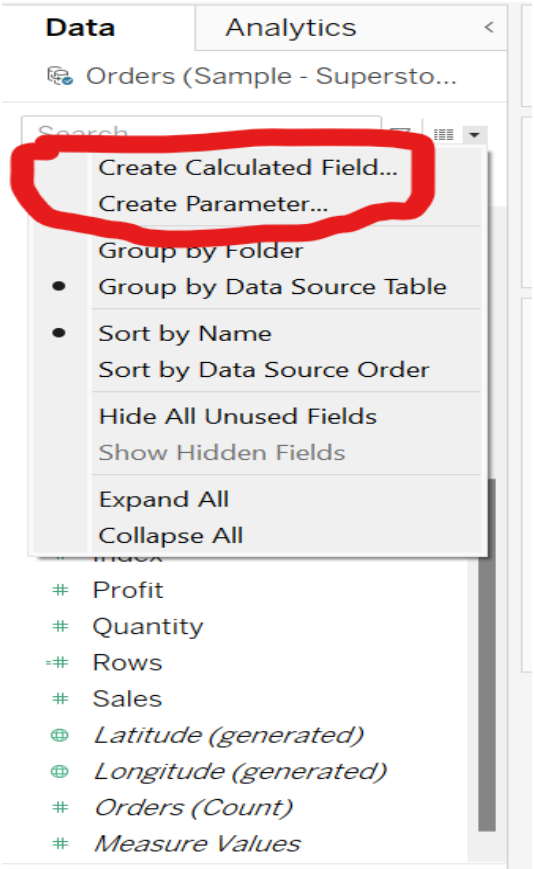
- Create a hierarchy for Location

For that we will select multiple fields and right click on field, then select Create Hierarchy

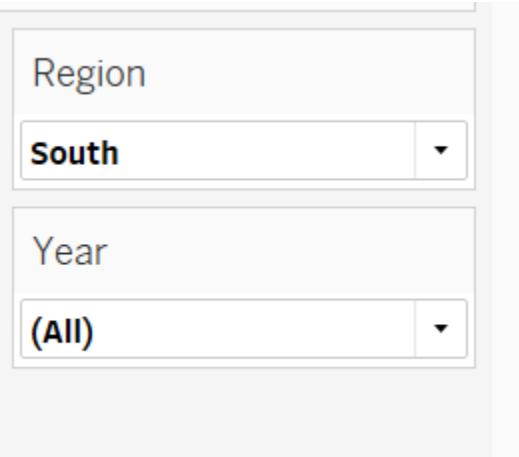


- Created Hierarchy will appear like this

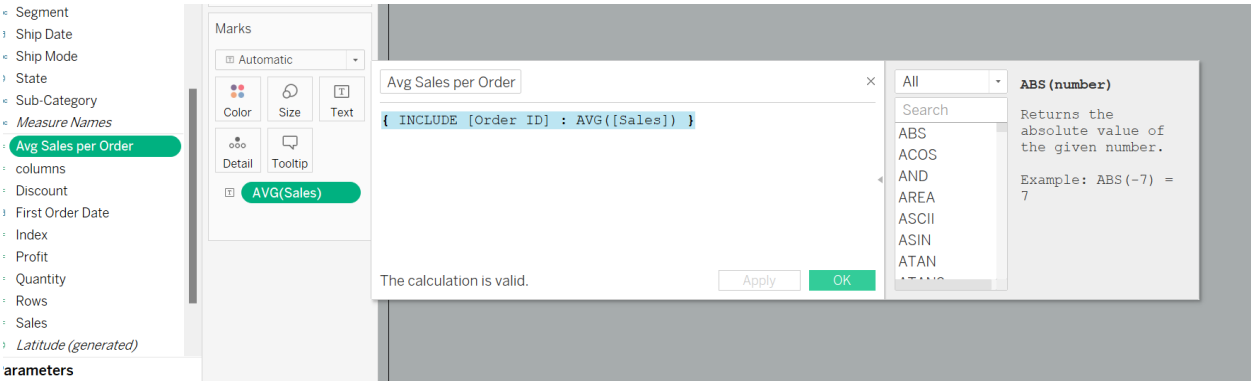
- We will create two regions where the sales are being compared Primary and secondary regions and will further create Calculated fields and Parameters for both the regions.



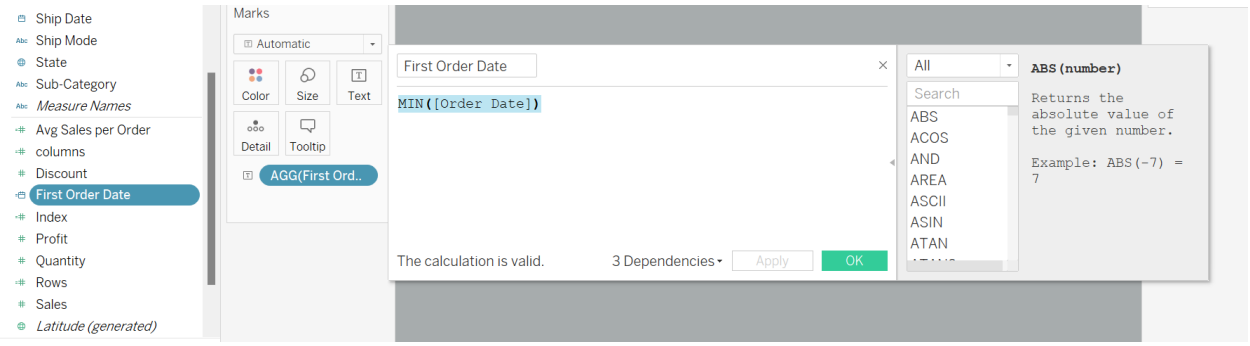
- Created parameters on Region and Year which will be functional for both the Region in the dashboard



- Created a calculated field for both the regions.
  AVG SALES PER ORDER : **{ INCLUDE [Order ID] : AVG([Sales]) }**

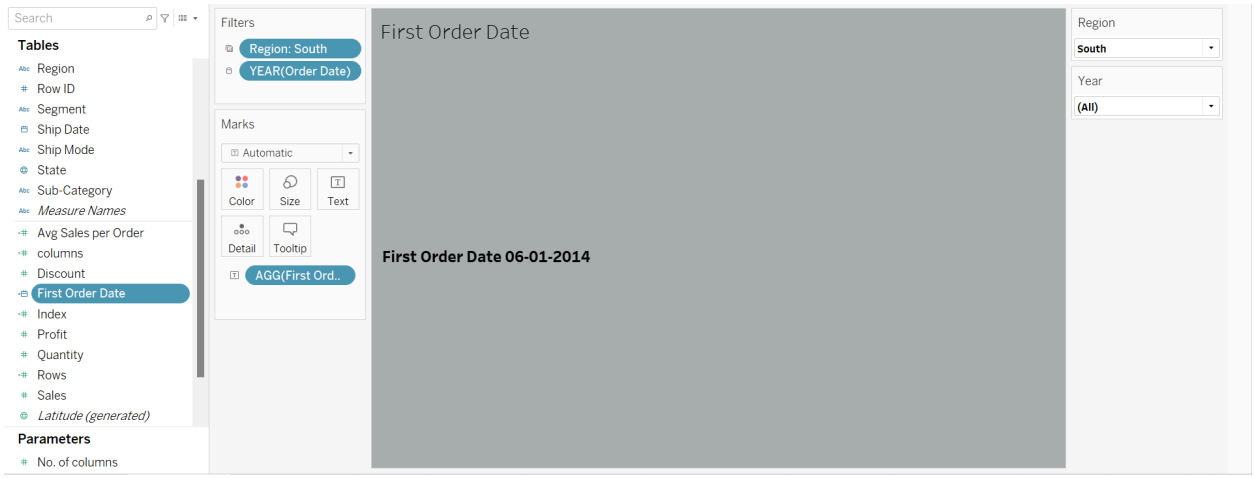


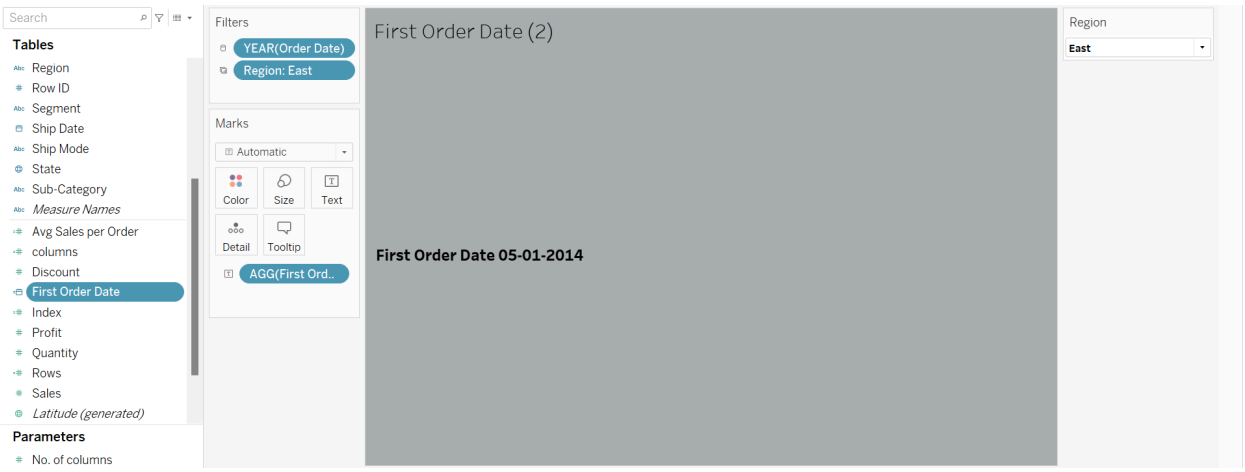
- Created a calculated field called First Order Date
  First Order Date : **MIN([Order Date])**



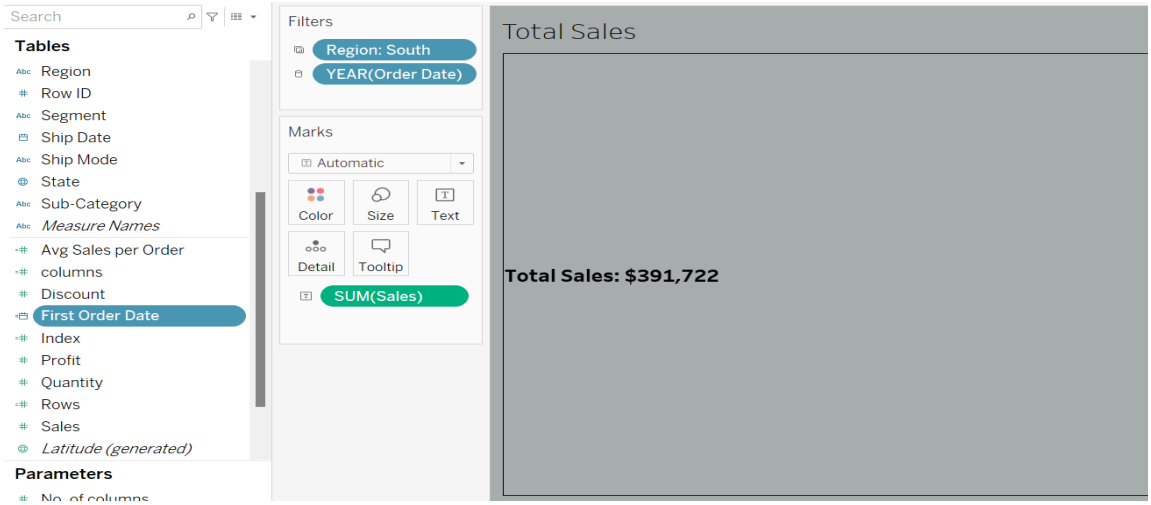
SHEETS FOR DASHBOARD

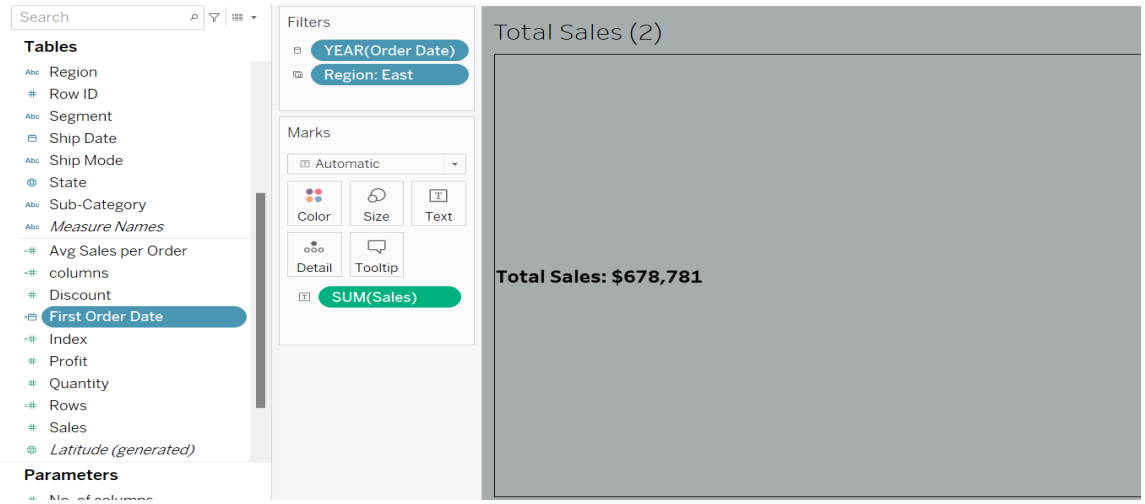
- **First Order Date**



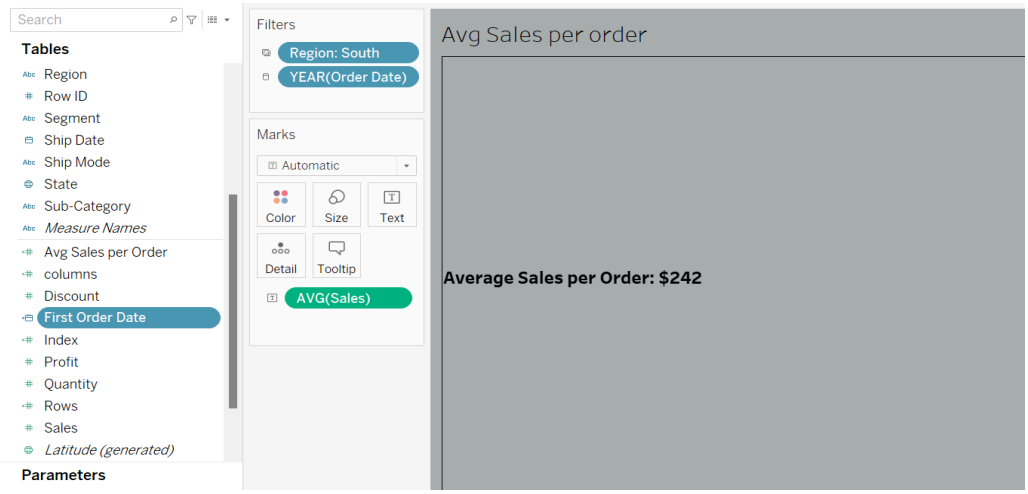


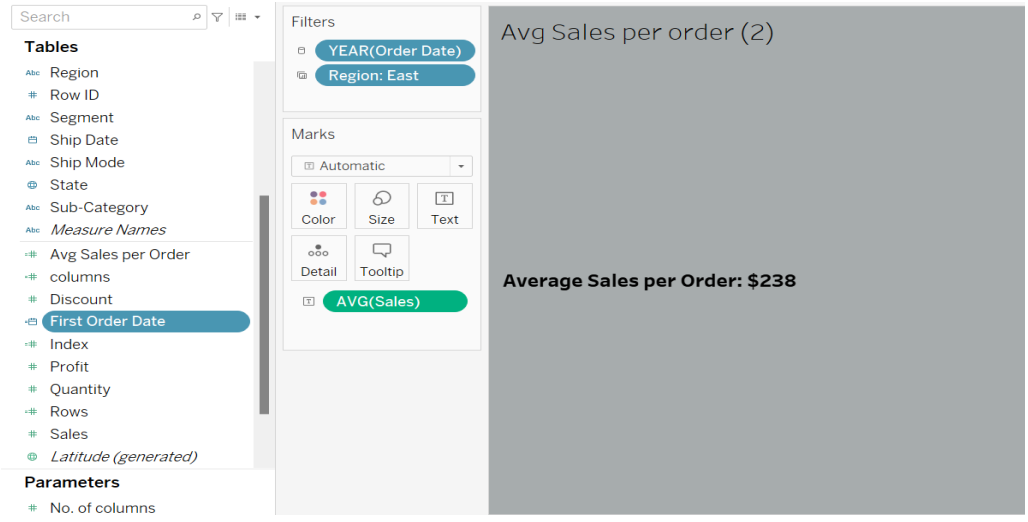
- **TOTAL SALES**



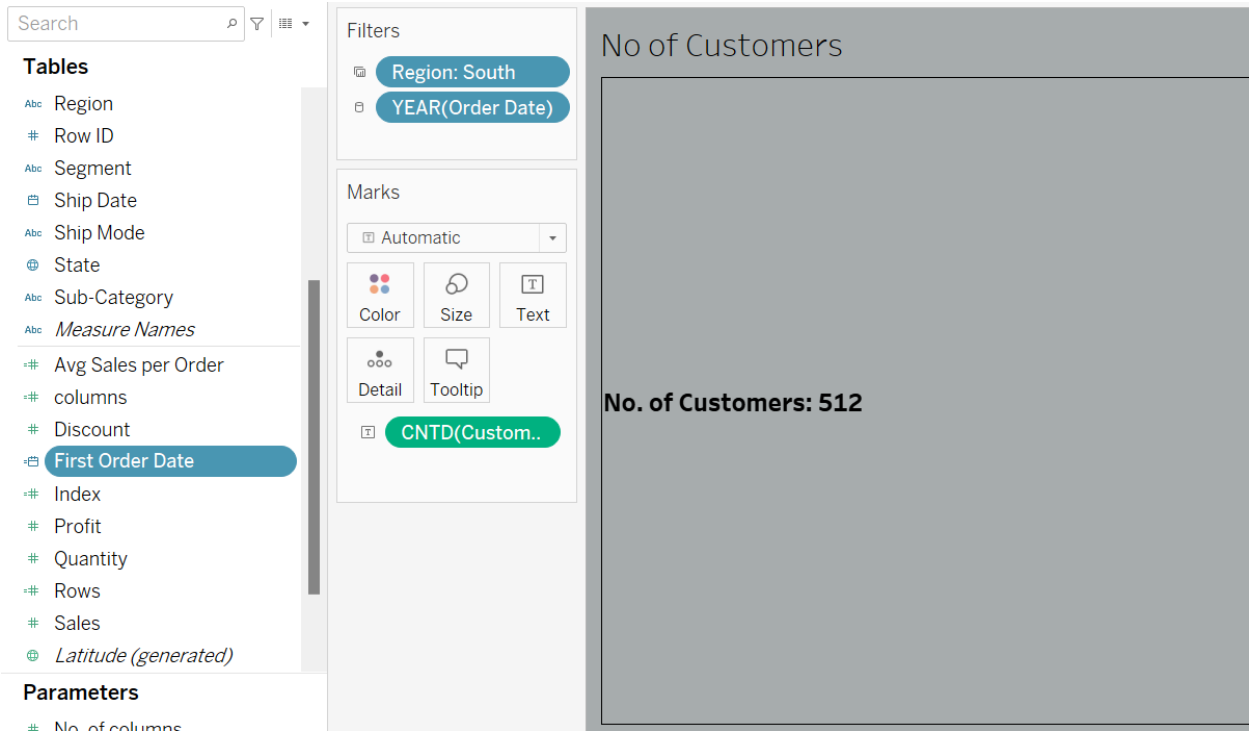


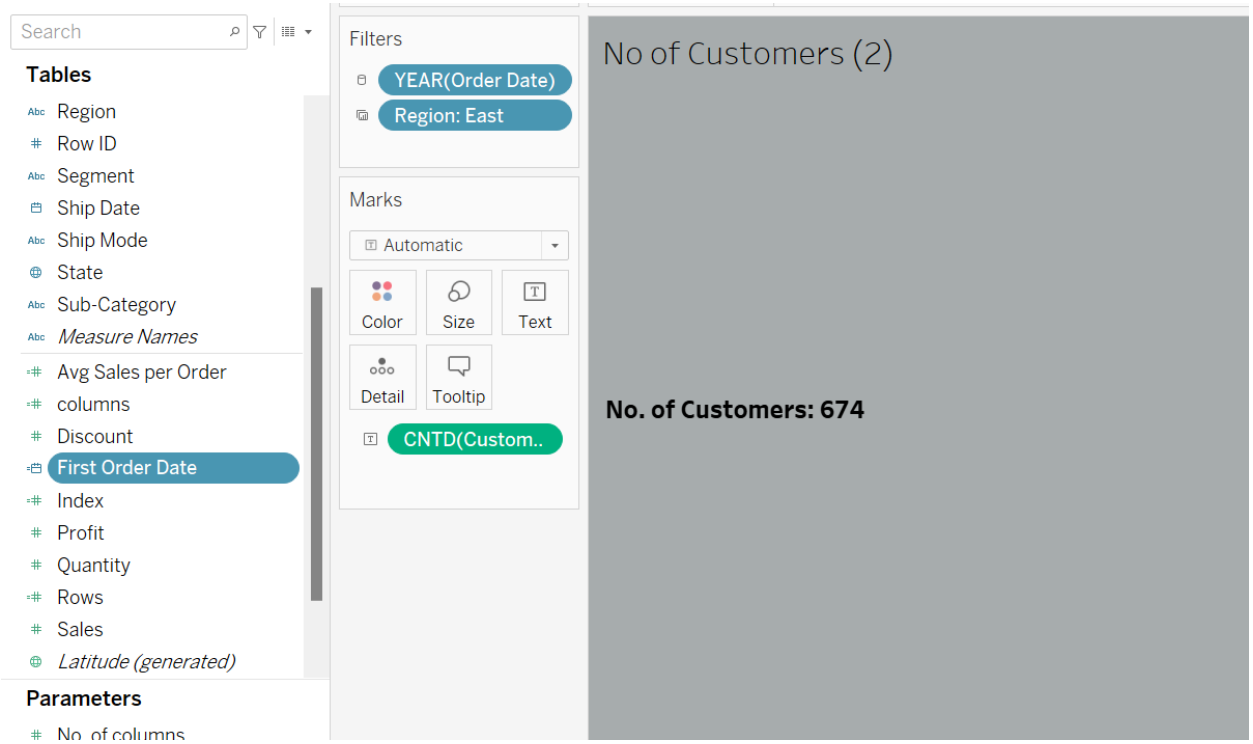
- **Avg Sales Per Order**



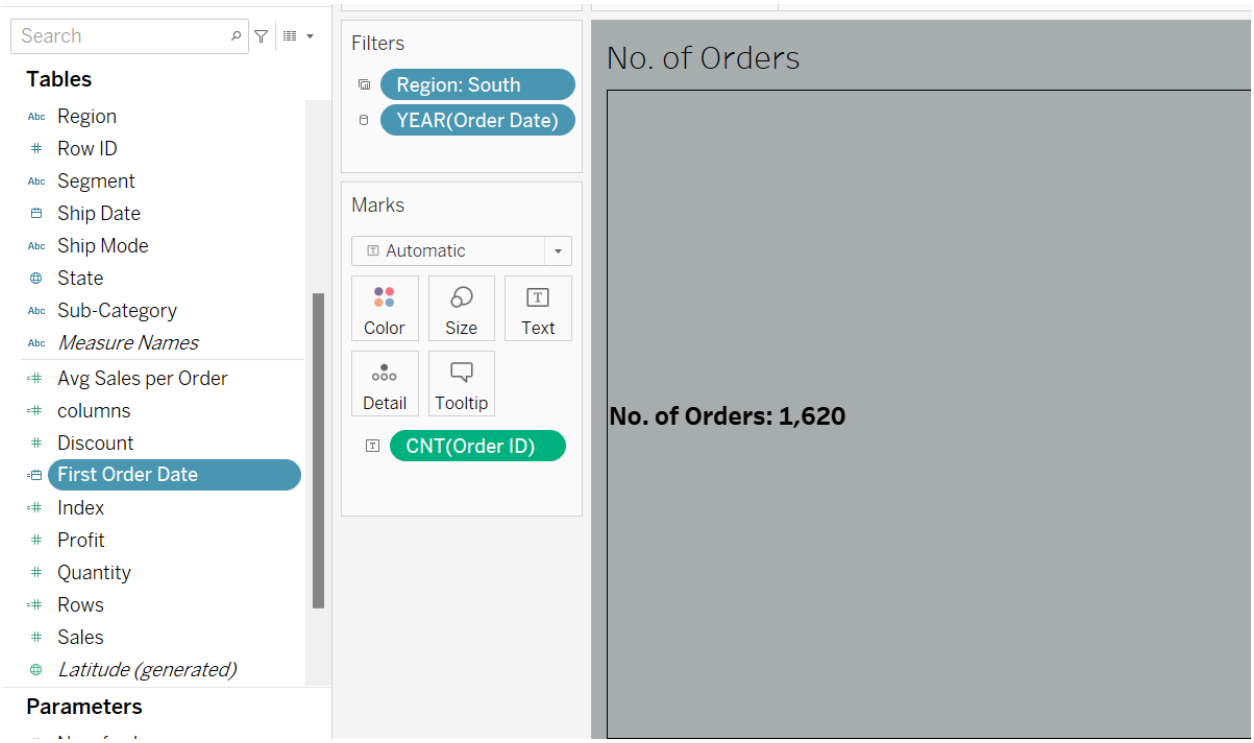


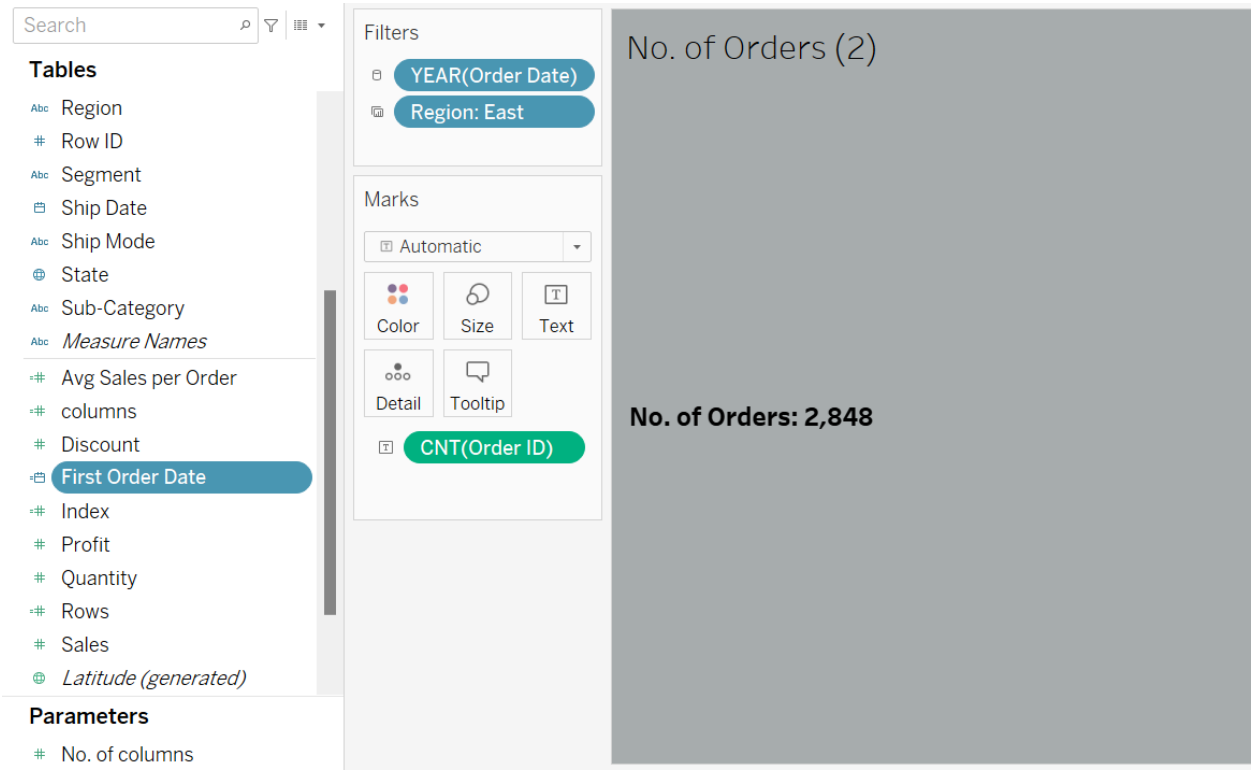
- **No. of Customers**



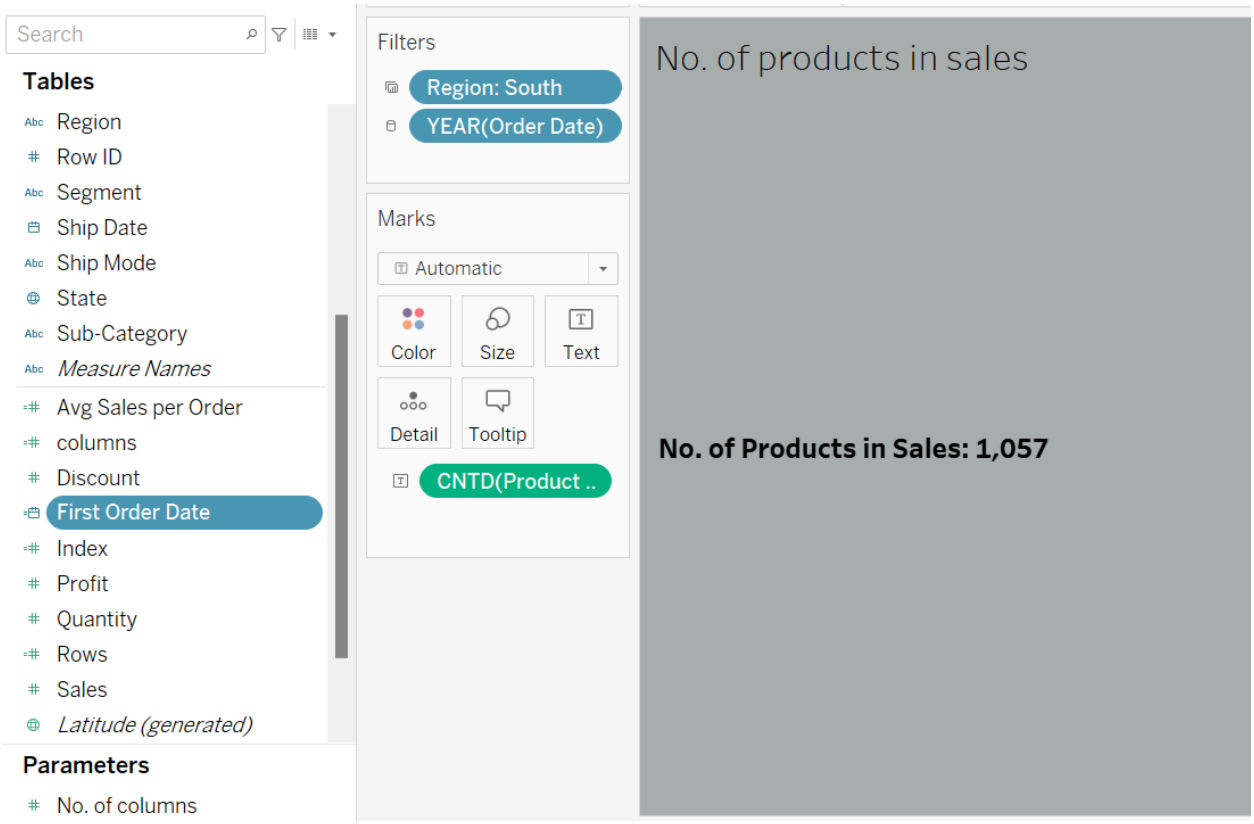


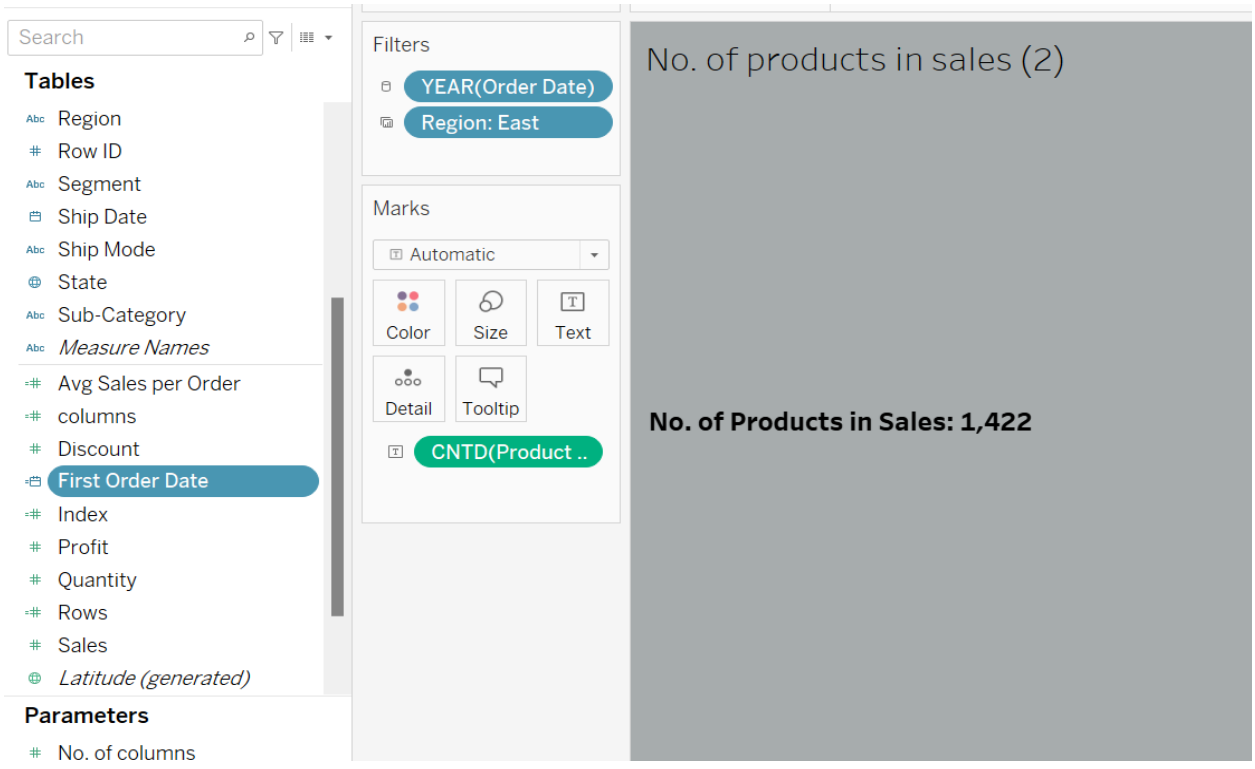
- **No. of Orders**


Search
Tables
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Avg Sales per Order
columns
Discount
First Order Date
Index
Profit
Quantity
Rows
Sales
Latitude (generated)
Parameters
Filters
Region: South
YEAR(Order Date)
Marks
Automatic
Color
Size
Text
Detail
Tooltip
CNT(Order ID)
No. of Orders
No. of Orders: 1,620

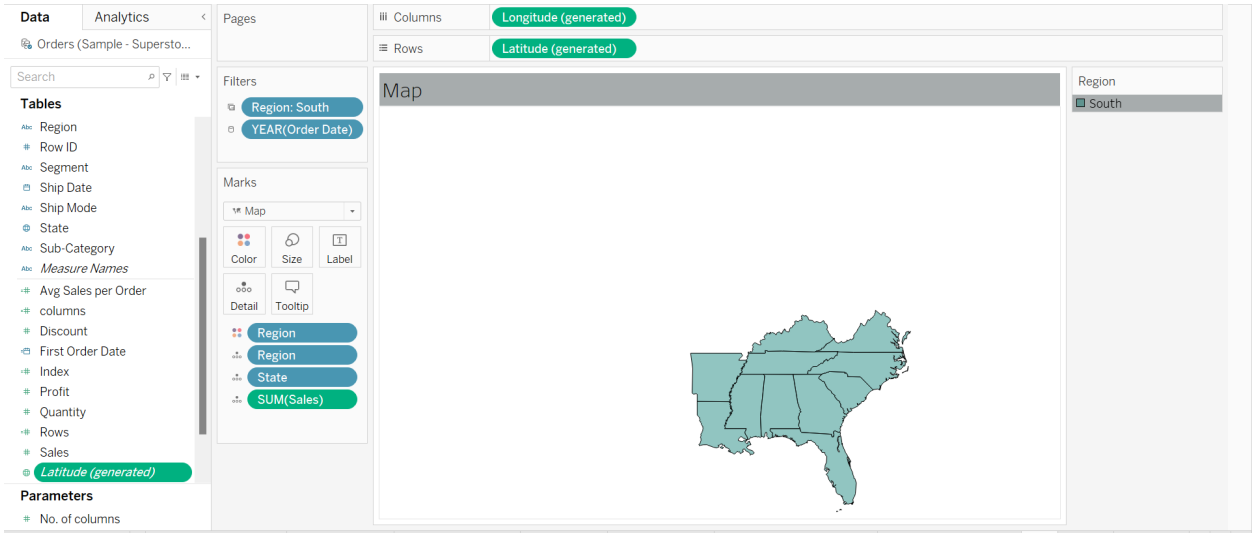

Search
Tables
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Avg Sales per Order
columns
Discount
First Order Date
Index
Profit
Quantity
Rows
Sales
Latitude (generated)
Parameters
No. of columns
Filters
YEAR(Order Date)
Region: East
Marks
Automatic
Color
Size
Text
Detail
Tooltip
CNT(Order ID)
No. of Orders (2)
No. of Orders: 2,848

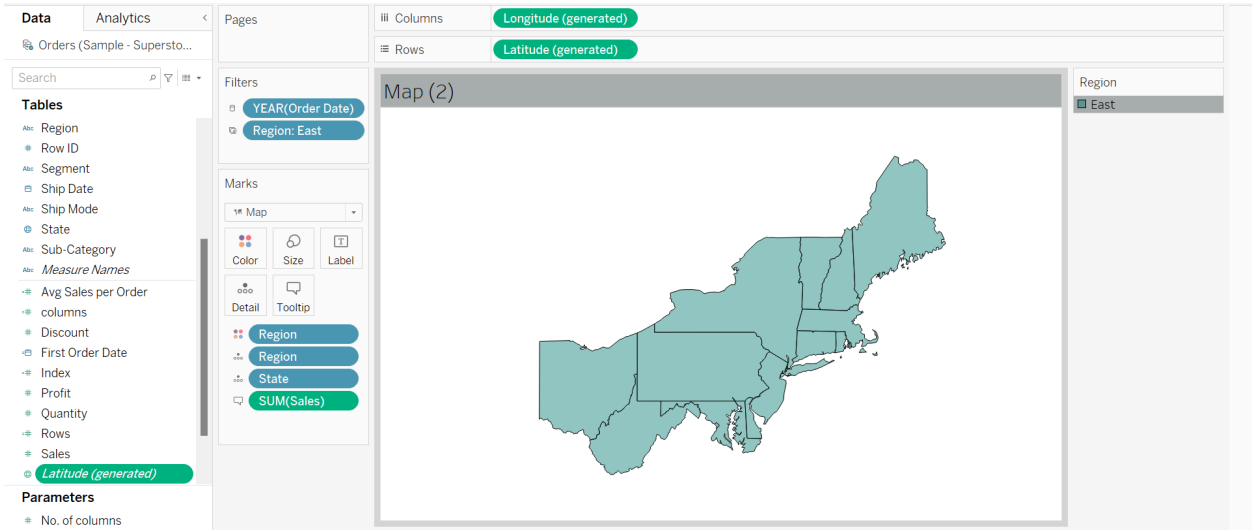
- **No. of Production in Sales**



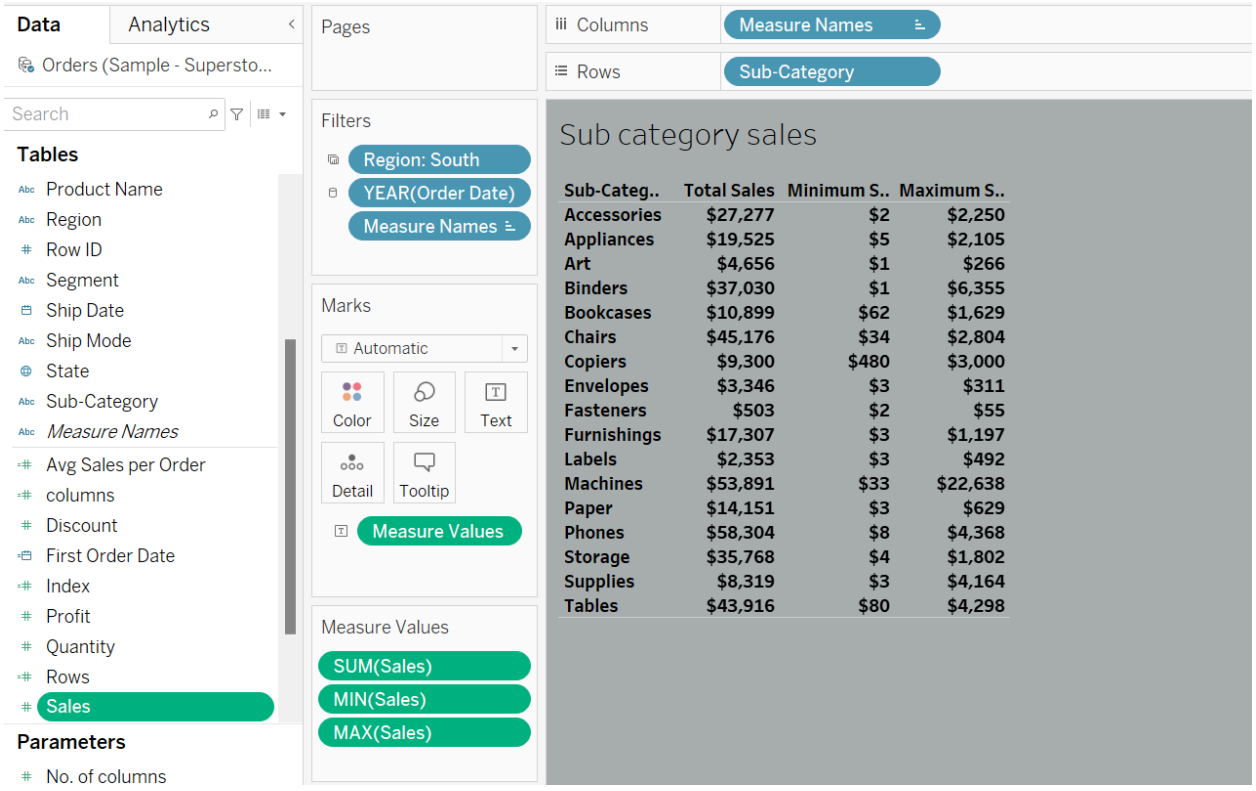


- **MAP**


Data
Analytics
Orders (Sample - Supersto...
Search
Tables
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Avg Sales per Order
columns
Discount
First Order Date
Index
Profit
Quantity
Rows
Sales
Latitude (generated)
Parameters
No. of columns
Pages
Filters
Region: South
YEAR(Order Date)
Marks
Map
Color
Size
Label
Detail
Tooltip
Region
Region
State
SUM(Sales)
Columns
Longitude (generated)
Rows
Latitude (generated)
Map
Region
South

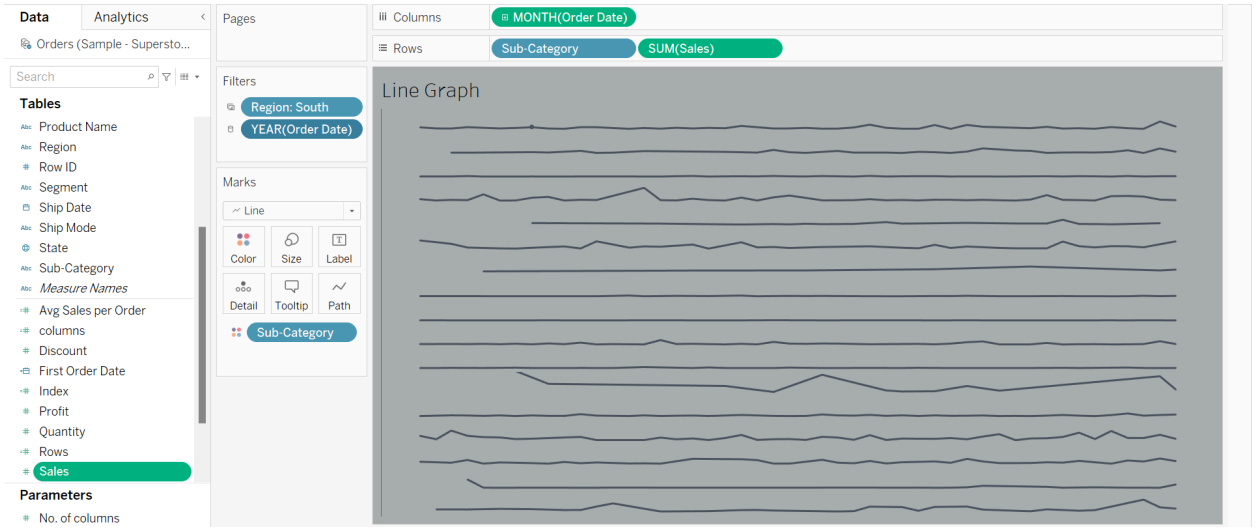

Data
Analytics
Orders (Sample - Supersto...
Search
Tables
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Avg Sales per Order
columns
Discount
First Order Date
Index
Profit
Quantity
Rows
Sales
Latitude (generated)
Parameters
No. of columns
Pages
Filters
YEAR(Order Date)
Region: East
Marks
Map
Color
Size
Label
Detail
Tooltip
Region
Region
State
SUM(Sales)
Columns
Longitude (generated)
Rows
Latitude (generated)
Map (2)
Region
East

- **Sub-Category sales**

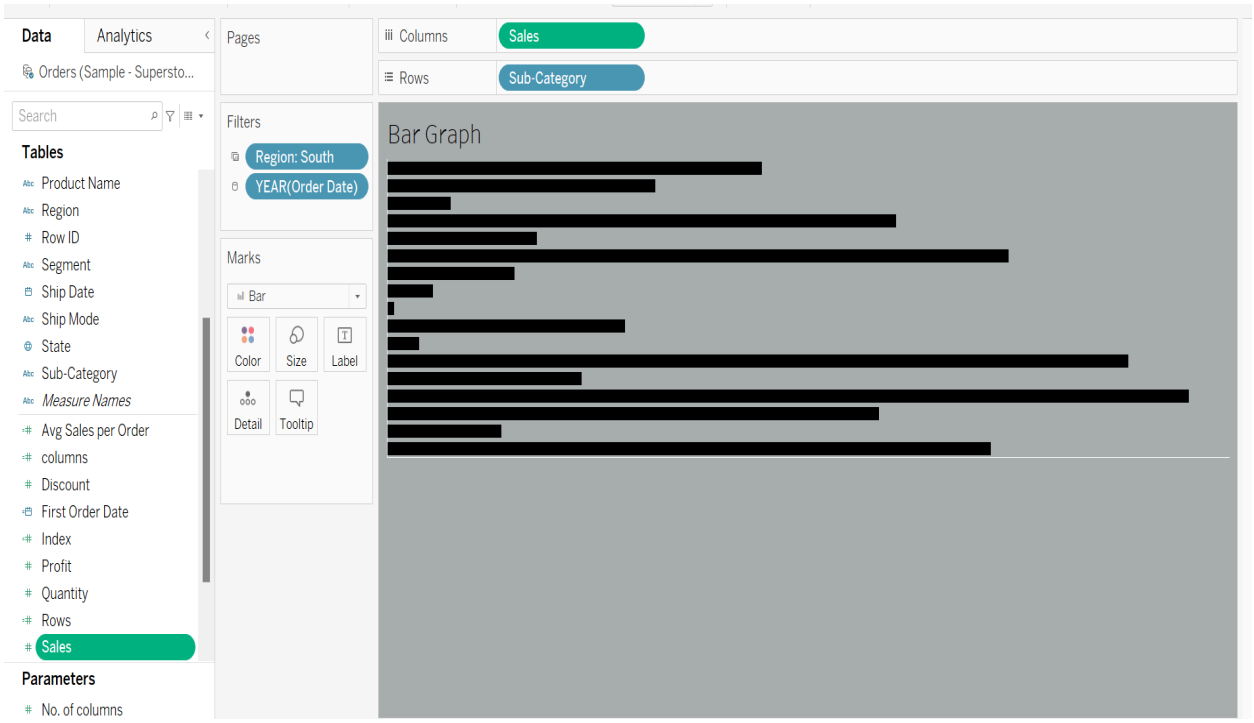


Sub-Categ..	Total Sales	Minimum S..	Maximum S..
Accessories	$27,277	$2	$2,250
Appliances	$19,525	$5	$2,105
Art	$4,656	$1	$266
Binders	$37,030	$1	$6,355
Bookcases	$10,899	$62	$1,629
Chairs	$45,176	$34	$2,804
Copiers	$9,300	$480	$3,000
Envelopes	$3,346	$3	$311
Fasteners	$503	$2	$55
Furnishings	$17,307	$3	$1,197
Labels	$2,353	$3	$492
Machines	$53,891	$33	$22,638
Paper	$14,151	$3	$629
Phones	$58,304	$8	$4,368
Storage	$35,768	$4	$1,802
Supplies	$8,319	$3	$4,164
Tables	$43,916	$80	$4,298

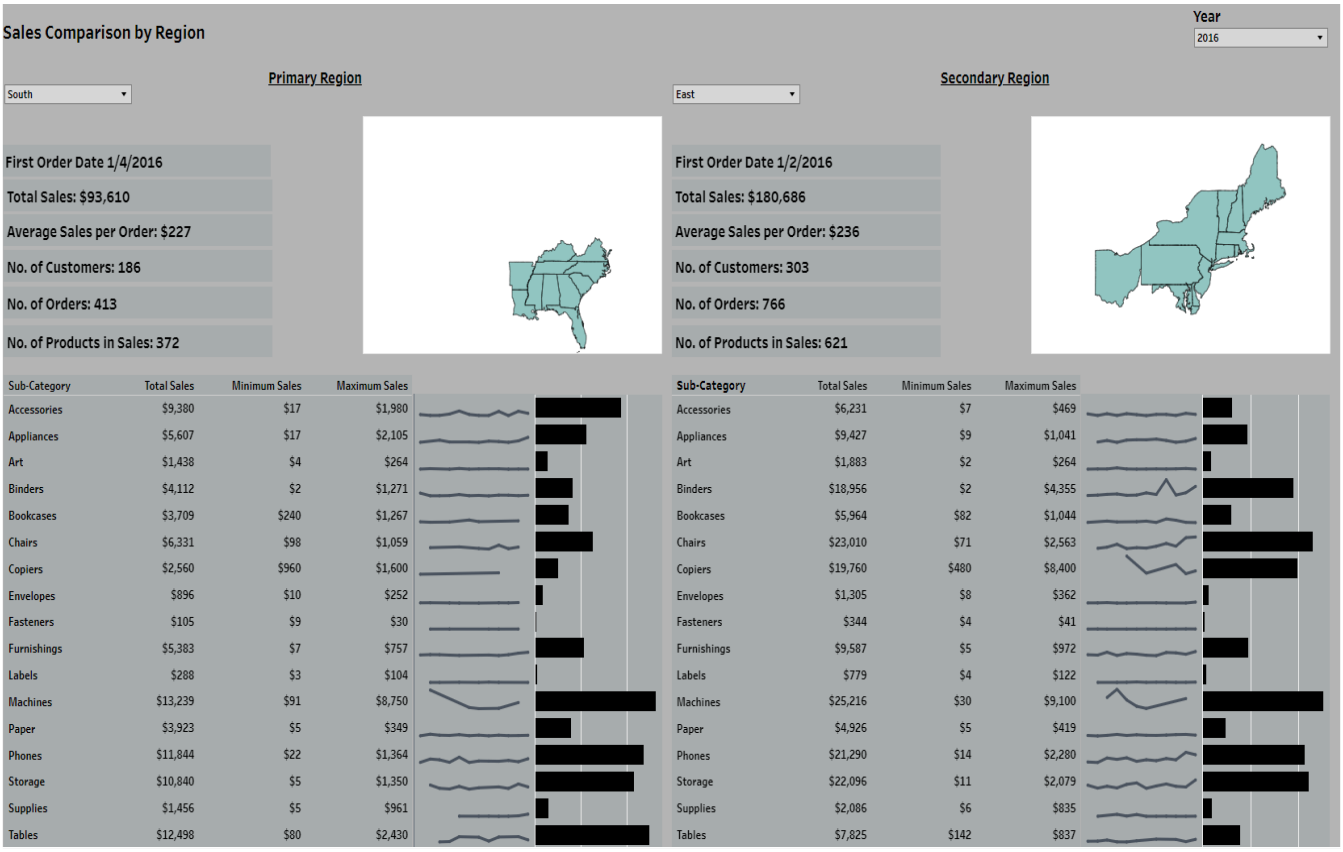
- **LINE GRAPH** : Created Line graph to see Sub-category wise sales over different MONTH(Order Date) for region wise comparison in the dashboard



- **Bar Graph** : Created bar graph to see sales of different sub categories over different regions and years.



DASHBOARD



Sub-Category	Total Sales	Minimum Sales	Maximum Sales
Accessories	$9,380	$17	$1,980
Appliances	$5,607	$17	$2,105
Art	$1,438	$4	$264
Binders	$4,112	$2	$1,271
Bookcases	$3,709	$240	$1,267
Chairs	$6,331	$98	$1,059
Copiers	$2,560	$960	$1,600
Envelopes	$896	$10	$252
Fasteners	$105	$9	$30
Furnishings	$5,383	$7	$757
Labels	$288	$3	$104
Machines	$13,239	$91	$8,750
Paper	$3,923	$5	$349
Phones	$11,844	$22	$1,364
Storage	$10,840	$5	$1,350
Supplies	$1,456	$5	$961
Tables	$12,498	$80	$2,430

Sub-Category	Total Sales	Minimum Sales	Maximum Sales
Accessories	$6,231	$7	$469
Appliances	$9,427	$9	$1,041
Art	$1,883	$2	$264
Binders	$18,956	$2	$4,355
Bookcases	$5,964	$82	$1,044
Chairs	$23,010	$71	$2,563
Copiers	$19,760	$480	$8,400
Envelopes	$1,305	$8	$362
Fasteners	$344	$4	$41
Furnishings	$9,587	$5	$972
Labels	$779	$4	$122
Machines	$25,216	$30	$9,100
Paper	$4,926	$5	$419
Phones	$21,290	$14	$2,280
Storage	$22,096	$11	$2,079
Supplies	$2,086	$6	$835
Tables	$7,825	$142	$837