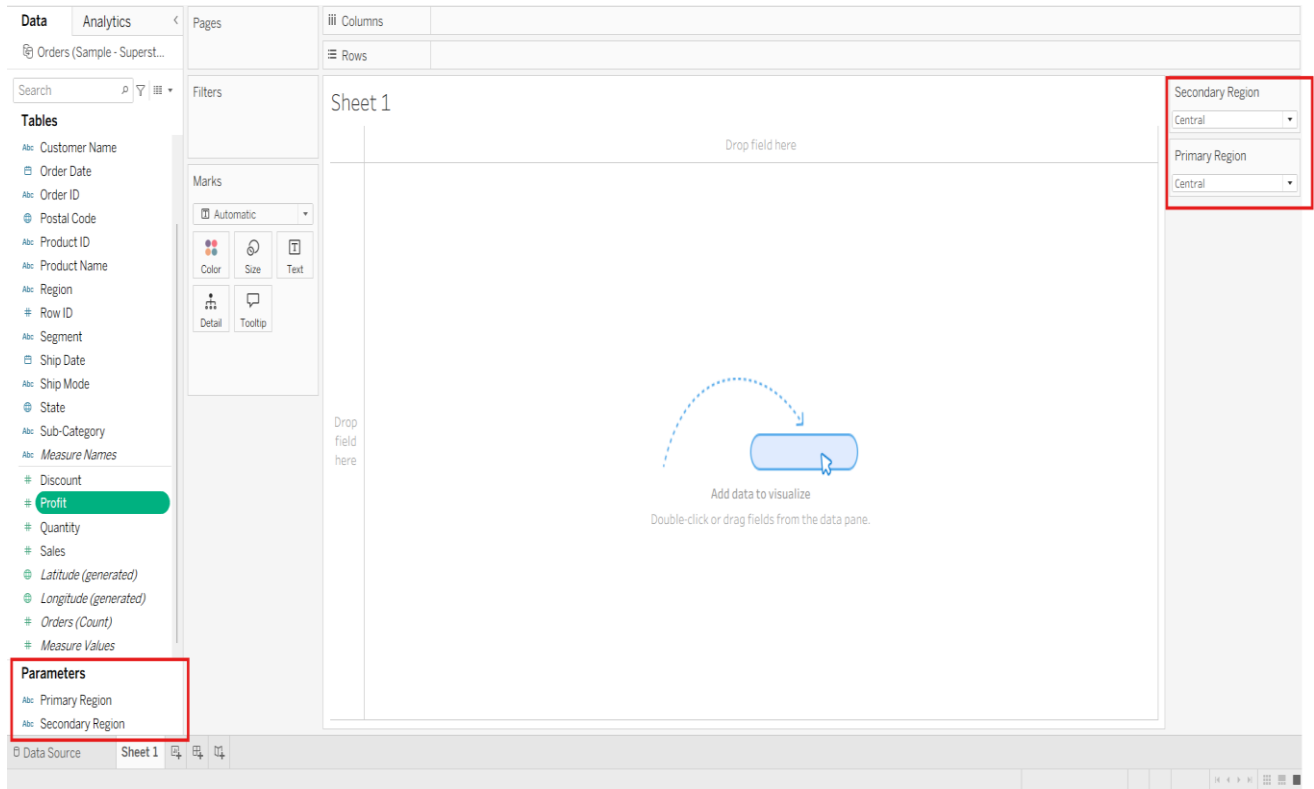1A

Create a parameter for the **Primary Region** and another for the **Secondary Region** to allow region selection, listing all regions in them

1B

Create calculated fields to filter the data based on the selected regions

1C

Display the **total sales** for each **region,** using separate worksheets for the primary and secondary regions
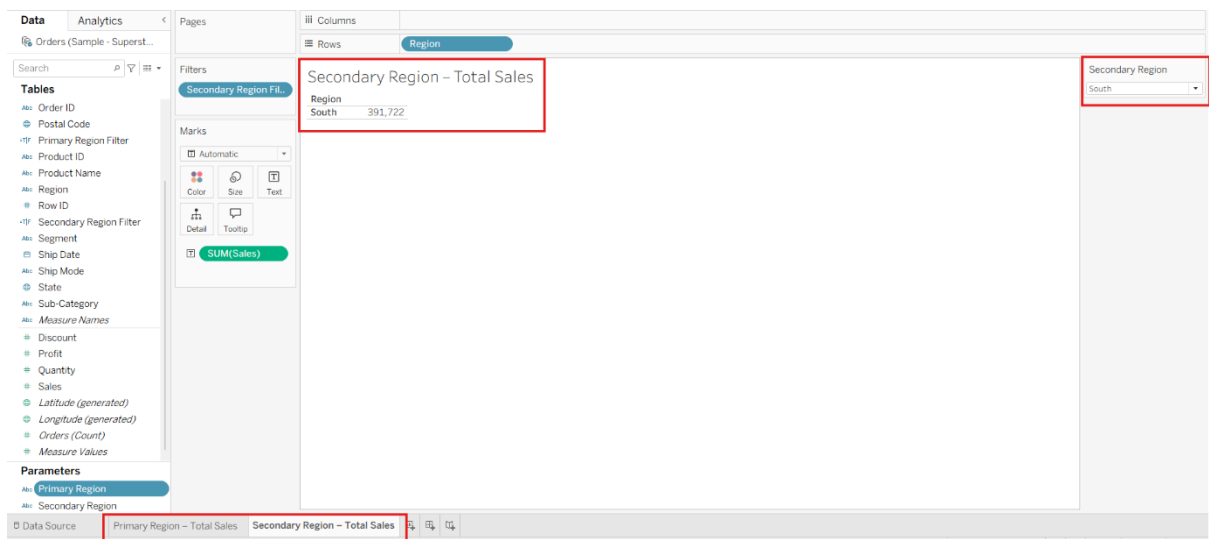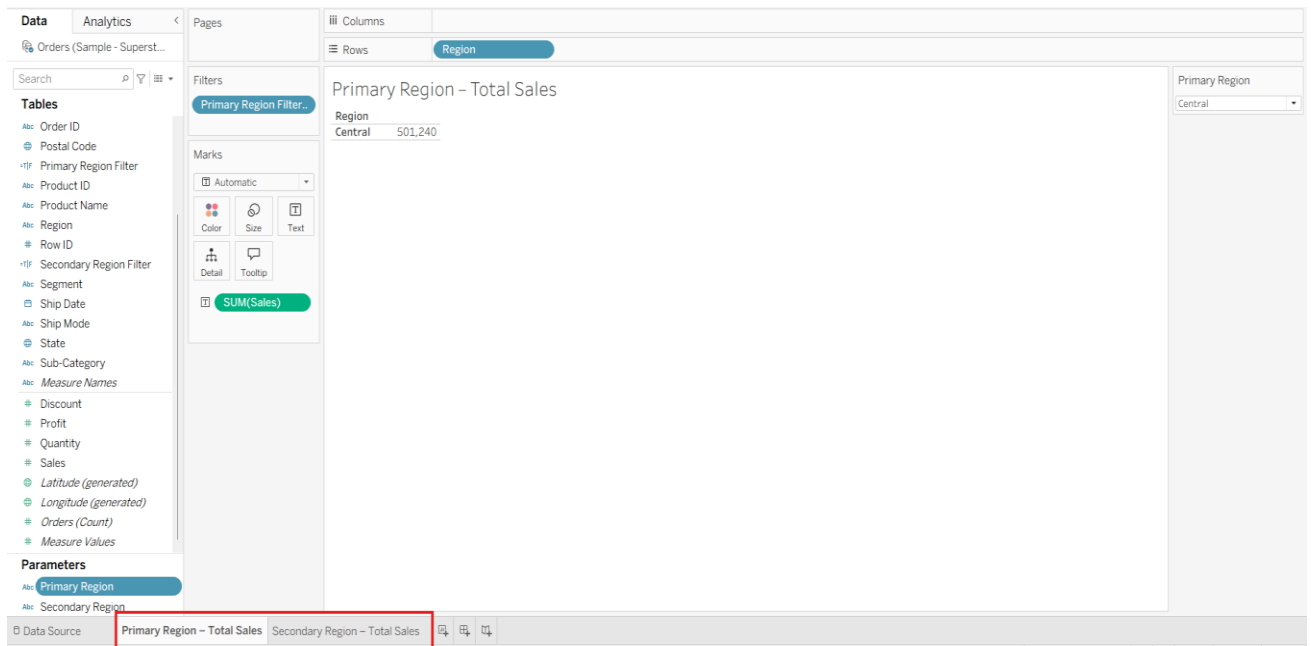
2A

Create a worksheet showing the **average sales per order** for both the primary and secondary regions

Pages

Columns

Rows | Measure Names

Filters
Measure Names

Marks
Automatic ▾
Color | Size | Text
Detail | Tooltip
Measure Values

Measure Values
AGG(Avg Sales per O..
AGG(Avg Sales per O..

Avg Sales per Order – Region Comparison

| Avg Sales per Order – Primary | 426.59 |
| Avg Sales per Order – Secondary | 450.32 |

Primary Region
Central ▾

Secondary Region
West ▾
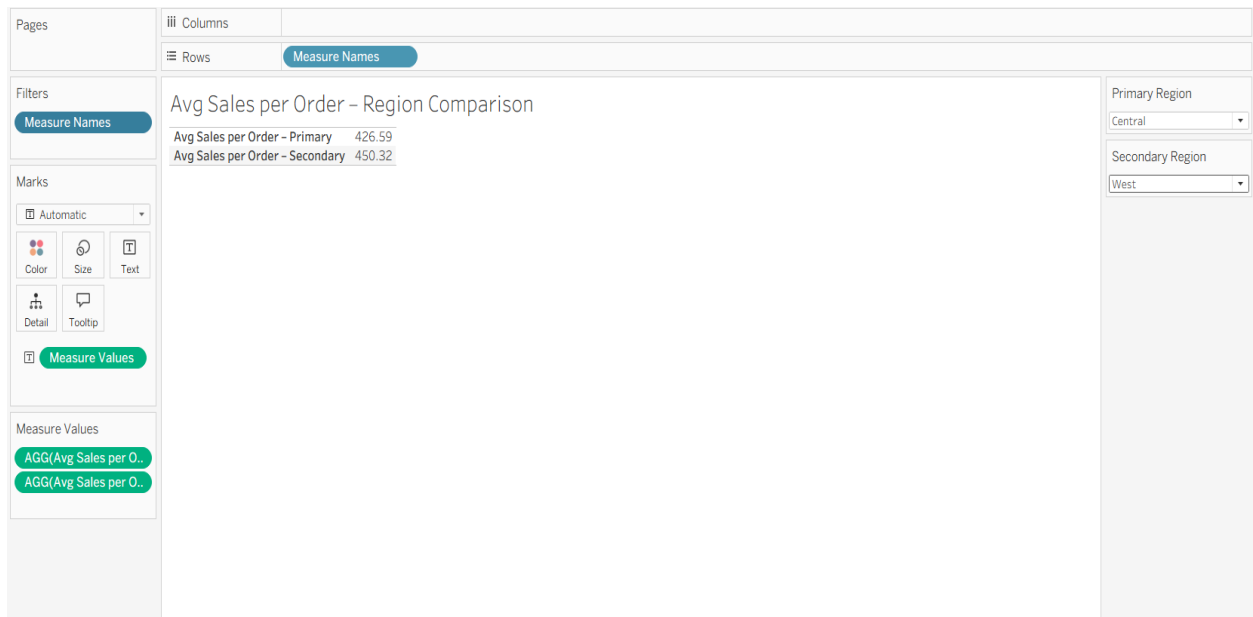
2B

Include a **count of the total number of orders** in each region

Pages

Columns

Rows | Measure Names

Filters
Measure Names

Marks
Automatic ▾
Color | Size | Text
Detail | Tooltip
Measure Values

Measure Values
AGG(Avg Sales per O..
AGG(Avg Sales per O..
AGG(Order Count – ..
AGG(Order Count – ..

Avg Sales per Order – Region Comparison

Avg Sales per Order – Primary	450
Avg Sales per Order – Secondary	484
Order Count – Primary	1,611
Order Count – Secondary	1,401

Primary Region
West ▾

Secondary Region
East ▾

2C

Filter each worksheet to display data only for the selected region

Refer screen Source code files

3] Customer and Product Analysis:

- Create a worksheet displaying the **number of unique customers** in each region
- Create a worksheet showing the **number of distinct products sold** in each region
- **Apply filters to each worksheet** to ensure data accuracy for the selected regions

Pages

iii Columns

≡ Rows | Measure Names

Filters

Data asure Names | Measure Names

Marks

T Automatic

Color | Size | Text

Detail | Tooltip

T | Measure Values

Measure Values

AGG(Avg Sales per O..
AGG(Avg Sales per O..
AGG(Distinct Produc..
AGG(Distinct Produc..
AGG(Order Count – ..
AGG(Order Count – ..
AGG(Unique Custom..
AGG(Unique Custom..

Order Performance Comparison
Central vs South

Avg Sales per Order – Primary	426.6
Avg Sales per Order – Secondary	476.5
Distinct Products – Primary	1,310.0
Distinct Products – Secondary	1,057.0
Order Count – Primary	1,175.0
Order Count – Secondary	822.0
Unique Customers – Primary	629.0
Unique Customers – Secondary	512.0

Primary Region

Central

Secondary Region

South

4] Comparative Analysis:

- Combine the individual worksheets into a single **dashboard**
- Use **containers** to partition the dashboard into sections for the primary and secondary regions
- **Add parameter controls** to allow users to select different regions and dynamically update the visualizations
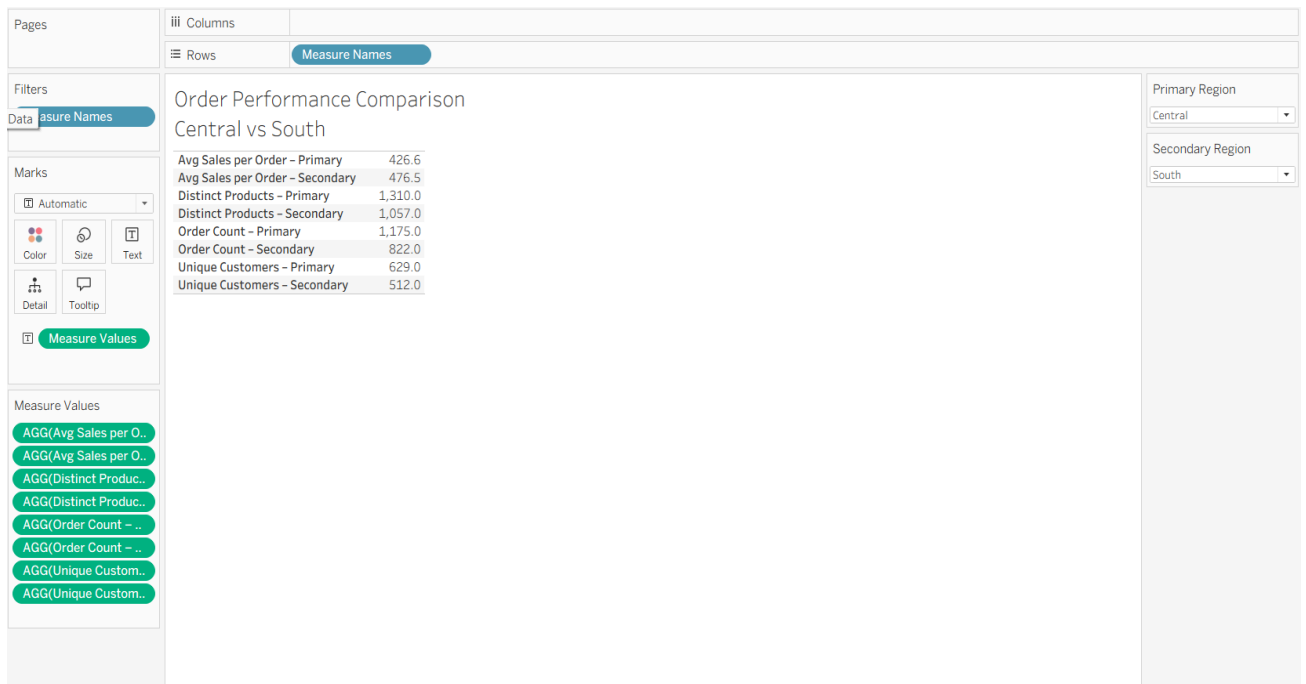

REGIONAL SALES ANALYSIS

Primary Region — Central

Secondary Region — South

Primary Region - Central

Secondary Region - Central

Primary Region KPI: Central

Total Sales: 501,240

Average Sales: 215.8

Order Count: 1,175

Unique Customers: 629

Distinct Products Sold: 1,310

Primary Region - Central - Sub.Category

Sub-Category	Max. Sales	Min. Sales	Avg. Sales	Sales
Accessories	1,929	2	186	33,95
Appliances	2,405	0	192	23,58
Art	210	1	33	5,76
Binders	9,893	1	156	56,92
Bookcases	2,396	68	483	24,15
Chairs	3,505	27	553	85,23
Copiers	17,500	320	2,329	37,26
Envelopes	605	2	79	4,63
Fasteners	58	2	14	71
Furnishings	1,336	2	74	15,25
Labels	492	2	32	2,45
Machines	8,160	84	1,276	26,75

Primary Region KPI: Central

Total Sales: 391,722

Average Sales: 241.8

Order Count: 822

Unique Customers: 512

Distinct Products Sold: 1,057

Secondary Region - South - Sub.Category

Sub-Category	Max. Sales	Min. Sales	Avg. Sales	Sales
Accessories	2,250	2	213	27,27
Appliances	2,105	5	241	19,52
Art	266	1	33	4,65
Binders	6,355	1	151	37,03
Bookcases	1,629	62	389	10,89
Chairs	2,804	34	513	45,17
Copiers	3,000	480	1,329	9,30
Envelopes	311	3	62	3,34
Fasteners	55	2	17	50
Furnishings	1,197	3	105	17,30
Labels	492	3	36	2,35
Machines	22,638	33	2,994	53,89

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