

# TABLEAU: Creating Charts

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# LEARNING TABLEAU

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# Building a Data Visualisation

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**Step 1: From the Start Page, connect to your data sources.**

Once connected, it will open the Data Source page.

**Step 2: On the Data Source page, modify/join your data (if needed).**

Then, go to a Worksheet.

**Step 3: On the Worksheet, build your visualisation.**

Start by asking a question of your data.

Drag the related fields into the view or onto shelf.

How you arrange the fields will answer different questions.

**Step 4: Change the view visually**

Change the marks and their attributes, and presentation options, to optimise your visualisation's ability to communicate its insight.

# Step I: The Start Page

Tableau - Music Sales

Open a Workbook

Discover

Training

Getting Started

Connecting to Data

Visual Analytics

Understanding Tableau

More training videos...

Resources

Get Tableau Prep

Blog - Read latest post

The NEW Community Forums

Sample data for Relationships

Find your learning path

Answer a few questions and get a personalized path to success. →

Take the quiz

Update to 2020.4.1 Now

Connect

Search for Data

Tableau Server

To a File

Microsoft Excel

Text file

JSON file

PDF file

Spatial file

Statistical file

More...

To a Server

Microsoft SQL Server

Oracle

Amazon Redshift

MySQL

More...

Sample Workbooks

Superstore

Regional

World Indicators

More Samples

Music Sales

Superstore

Executive Overview - Profitability (us)

Monthly Sales by Segment - Oceania

Monthly Sales by Product

Oceania \$73

Asia \$211

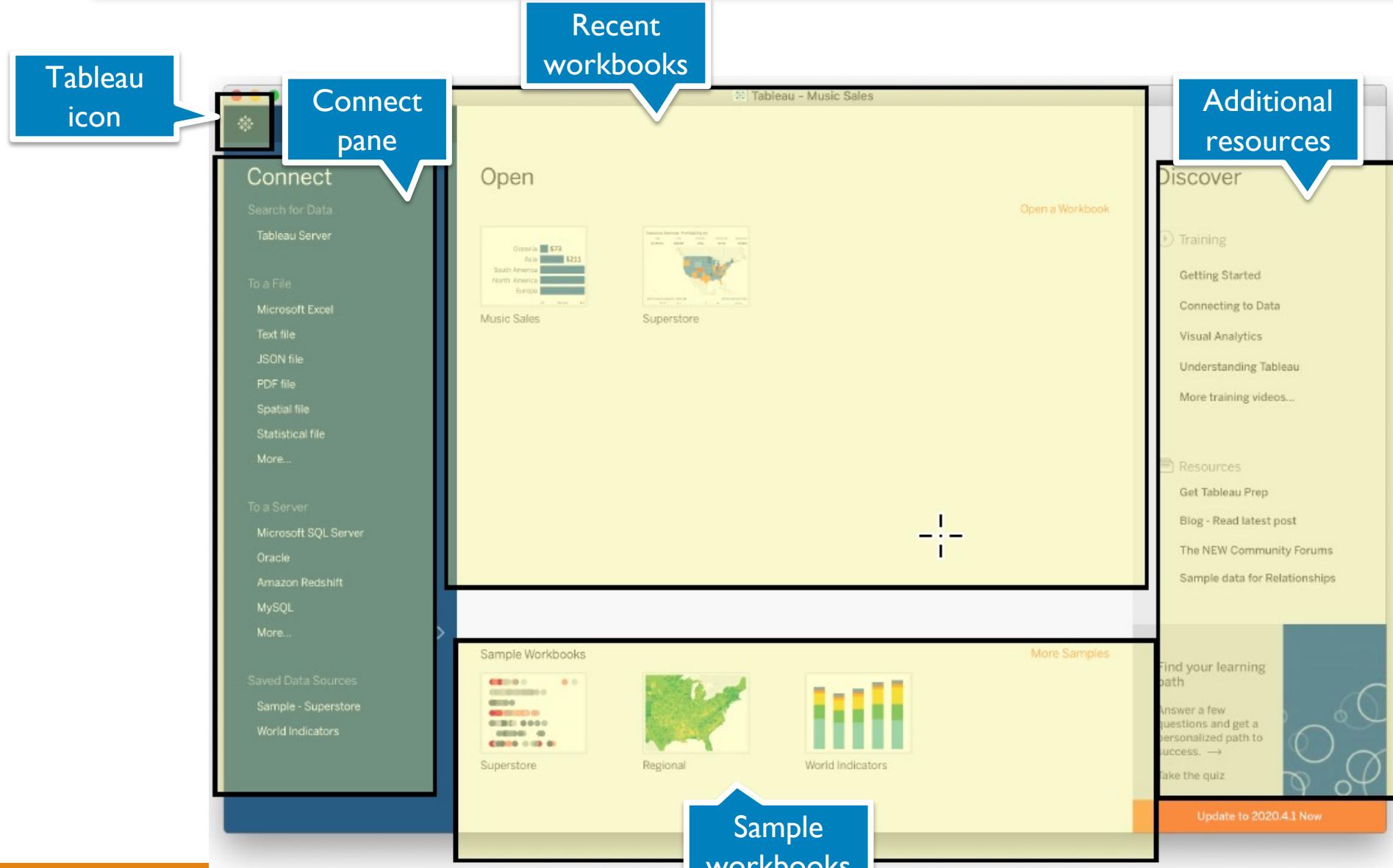
South America

North America

Europe

This screenshot shows the Tableau Start Page. The left sidebar contains sections for 'Connect' (Search for Data, Tableau Server, To a File, To a Server, Sample Workbooks), 'Open' (Music Sales, Superstore, Sample Workbooks: Superstore, Regional, World Indicators), and 'Discover' (Training, Getting Started, Connecting to Data, Visual Analytics, Understanding Tableau, More training videos...). The 'Resources' section includes links to Get Tableau Prep, Blog, Community Forums, and Sample data for Relationships. A 'Find your learning path' section with a 'Take the quiz' button is also present. At the bottom, there's a call to 'Update to 2020.4.1 Now'.

# Step 1: The Start Page



## Step 2: The Data Source Page

File Data Server Window Help

Orders (data\_connection\_practice)

**Connections** Add

data\_connection\_practice Microsoft Excel

**Sheets**

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders People Returns New Union

Drag tables here

Data Source Sheet 1

## Step 2: The Data Source Page

**Connection details**

Connections **data\_connection\_practice** Microsoft Excel

Sheets

- Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.
- Orders
- People
- Returns

New

**Sources list (Databases, tables, files)**

Help

Orders (data\_connection\_practice)

Drag tables here

Canvas

## Step 2: The Data Source Page

Tableau - Book1

File Data Server Window Help

Connections Add

data\_connection\_practice Microsoft Excel

Sheets

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders People Returns

New Union

Orders (data\_c)

Relate (join/union) multiple data sources on canvas

Connection Live Extract

Filters 0 | Add

Orders

People

Returns

Orders

24 fields 34194 rows

100 rows

Table Details

Row	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City
1	MX-2014-143658	2014/10/2	2014/10/6	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico
2	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
4	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
5	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
7	MX-2013-134096	2013/9/27	2013/10/1	Standard Class	DP-13000	Darren Powers	Consumer	São Pa

Data Source Sheet1

## Step 2: The Data Source Page

The screenshot shows the Tableau Data Source page for a connection named "data\_connection\_practice". The connection is set to "Live". On the canvas, three data sources are represented as boxes: "Orders", "Returns", and "People". A relationship is drawn from "Orders" to "Returns". A callout bubble points to this relationship with the text: "Relate (join/union) multiple data sources on canvas". Below the canvas, a relationship editor shows the join condition: "Orders" (field "Abc Order ID") is equal to "Returns" (field "Abc Order ID (Returns)").

Tableau - Book1

File Data Server Window Help

Connections Add

Connections

data\_connection\_practice Microsoft Excel

Sheets

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders

People

Returns

New Union

Orders — Returns

How do relationships differ from joins? [Learn more](#)

Orders Operator Returns

Abc Order ID = Abc Order ID (Returns)

+ Add more fields

Performance Options

Data Source Sheet 1

Relate (join/union) multiple data sources on canvas

9

## Step 2: The Data Source Page

Extract or live connection

Tableau - Book1

File Data Server Window Help

Connections Add

Connections

data\_connection\_practice Microsoft Excel

Sheets

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders People Returns

New Union

Orders (data\_connection\_practice)

Connection Live Extract

Filters 0 | Add

Orders 24 fields 34194 rows 100 rows

Table Details

Row	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City
1	MX-2014-143658	2014/10/2	2014/10/6	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico
2	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
4	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
5	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
7	MX-2013-134096	2013/9/27	2013/10/1	Standard Class	DP-13000	Darren Powers	Consumer	São Pa

Data Source Sheet1

## Step 2: The Data Source Page



## Step 2: The Data Source Page

Tableau - Book1

File Data Server Window Help

Connections Add

Connections

data\_connection\_practice Microsoft Excel

Sheets

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders People Returns

New Union

Orders (data\_connection\_practice)

Connection Live Extract

Filters 0 Add

Orders

People

Returns

Orders 24 fields 34194 rows 100 rows

Table Details

Row	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City
1	MX-2014-143658	2014/10/2	2014/10/6	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico
2	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
4	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
5	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
7	MX-2013-134096	2013/9/27	2013/10/1	Standard Class	DP-13000	Darren Powers	Consumer	São Pai

Data Source Sheet1

Connect to selected data

The screenshot shows the Tableau Data Source page for a connection named 'data\_connection\_practice'. The top navigation bar includes File, Data, Server, Window, and Help. On the left, there's a 'Connections' section with 'data\_connection\_practice' selected, and a 'Sheets' section listing 'Orders', 'People', 'Returns', and 'New Union'. A 'Use Data Interpreter' checkbox is checked with a note about cleaning the Excel workbook. The main area displays the 'Orders' schema, which consists of three tables: 'Orders', 'People', and 'Returns', connected by arrows. Below this is a preview of the 'Orders' table with 24 fields and 34,194 rows, showing sample data for rows 1 through 7. A callout bubble in the top right corner says 'Connect to selected data'.

## Step 2: The Data Source Page

Connect to selected data

File Data Server Window Help

Connections Add

data\_connection\_practice Microsoft Excel

Sheets

Use Data Interpreter  
Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders People Returns New Union

Orders (data\_connection\_practice)

Filter [Global Area]

General Wildcard Condition Top

Select from list  Custom value list  Use all

Enter search text

Afghanistan, Albania, Algeria, Angola, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahrain, Bangladesh

All None Exclude

Summary

Field: [Global Area]  
Selection: Selected 0 of 147 values  
Wildcard: All  
Condition: None  
Limit: None

Reset OK Cancel

Add Filter

Select a field:

Search

Category, City, Customer ID, Customer Name, Discount, Filter Segment, Global Area, Market, Market (Returns), Order Date, Order ID, Order ID (Returns), Order Priority

OK Cancel

Connection

Live  Extract

Filters 0 | Add

Edit Data Source Filters

Filter Details

Add... Edit... Remove OK Cancel

100 → rows

Orders	Abc Orders	Abc Orders	Abc Orders	Abc Orders	Orders
Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City
2014/10/6	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico
2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
2013/10/1	Standard Class	DP-13000	Darren Powers	Consumer	São Pa

Data Source Sheet 1 Sheet 2

## Step 2: The Data Source Page

The screenshot shows the Tableau Data Source page for a connection named 'data\_connection\_practice'. The interface includes a top navigation bar with File, Data, Server, Window, and Help options. On the left, there's a sidebar with 'Connections' (containing 'data\_connection\_practice' Microsoft Excel), 'Sheets' (listing 'Orders', 'People', 'Returns', and 'New Union'), and a 'Use Data Interpreter' section. The main area displays a data model diagram with 'Orders' at the center, connected to 'People' and 'Returns'. Below the diagram is a table preview titled 'Orders' showing 24 fields and 34194 rows. A blue callout box on the right provides instructions for reviewing and modifying data.

Connection  
Live Extract

Filters 0 Add

Review and modify your data

- Fix data types
- Rename/reorder/hide fields
- Add calculated fields
- View metadata

Row	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City
1	MX-2014-143658	2014/10/2	2014/10/6	Standard Class	SC-20575	Sonia Cooley	Consumer	Mexico
2	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
4	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
5	MX-2012-155047	2012/10/15	2012/10/20	Standard Class	KW-16570	Kelly Williams	Consumer	Dos Qu
7	MX-2013-134096	2013/9/27	2013/10/1	Standard Class	DP-13000	Darren Powers	Consumer	São Pai

Data Source Sheet 1

# PRACTICE (15 MINS): DATA CONNECTION

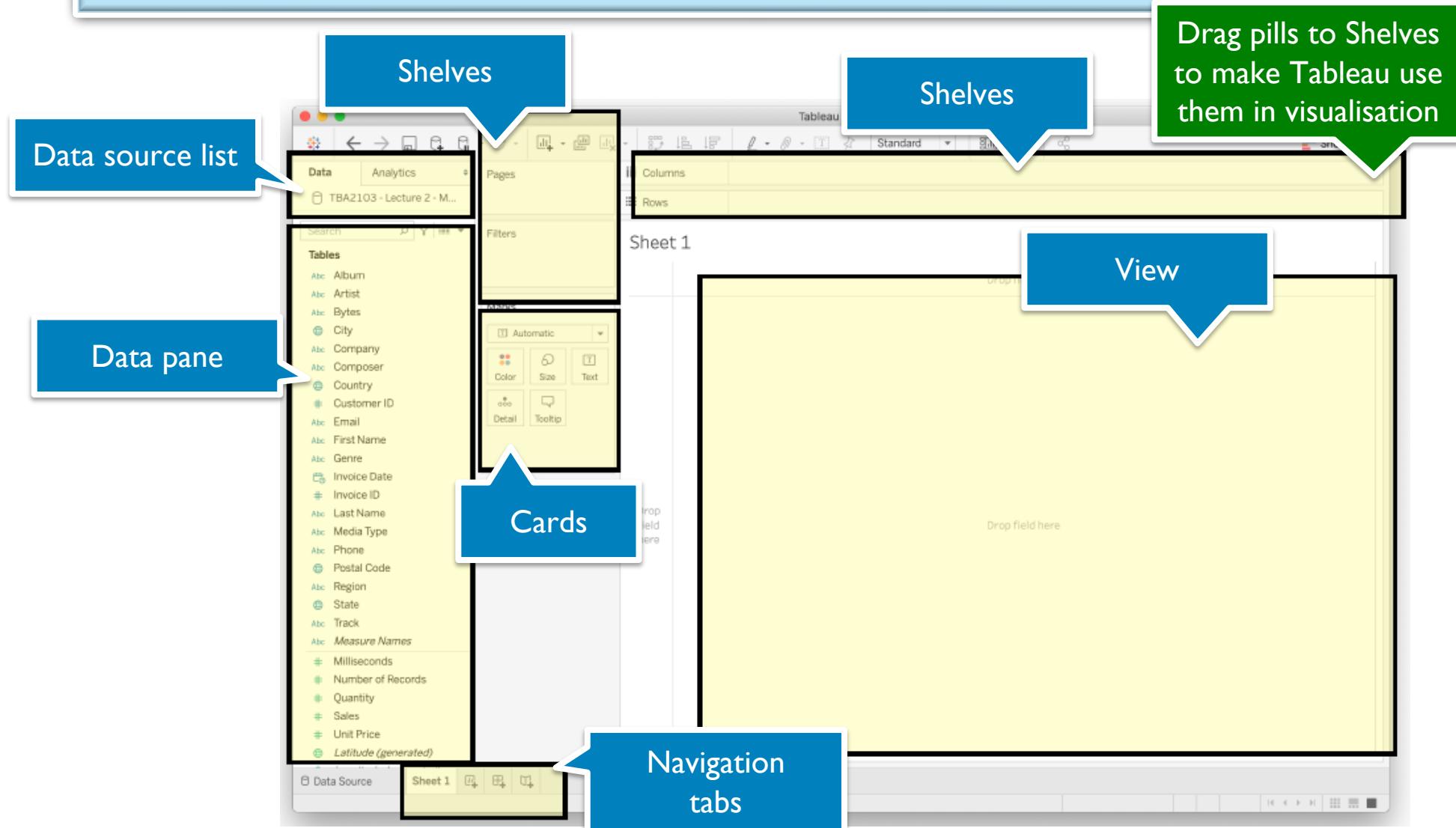
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# Objectives

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1. Get Excel File: “**Sales Data.xlsx**” from Canvas and connect to it.
2. Rename the data source to “**My Sales Data**”.
3. Load the data only related with “**Consumer Segment**” and link **People** and **Returns** to **Orders**.
4. Customize some of the field metadata:
  - Change Field Names: “Row” to “**Row ID**”; “Global Area” to “**Country**”
  - Change the data role for “Country” field to the geographic role of **Country/Region**.
5. Change values in the Excel File and play with “**Live**” and “**Extract**” connections.

## Step 3: The Worksheet



## Step 3: The Worksheet

The screenshot shows the Tableau interface with a tooltip overlay. The tooltip, which has a blue background and white text, says "Add pills to the shelves". It points to a context menu that is open over a bar chart. The context menu includes options like "Filter...", "Show Filter", "Format...", "Show Header" (which is checked), "Include in Tooltip" (which is checked), "Dimension", "Attribute", "Measure (Sum)" (which is selected and highlighted with a red box), "Discrete", "Continuous", "Edit in Shelf", "Add Table Calculation...", "Quick Table Calculation", and "Remove". The main workspace shows a bar chart with "Region" on the x-axis and "SUM(Sales)" on the y-axis, with Europe having the highest sales at approximately 3200. The bottom left pane shows the data source with "Milliseconds" selected (also highlighted with a red box). The bottom status bar indicates there are 5 marks, 5 rows by 1 column, and the total SUM(Sales) is 6,634.

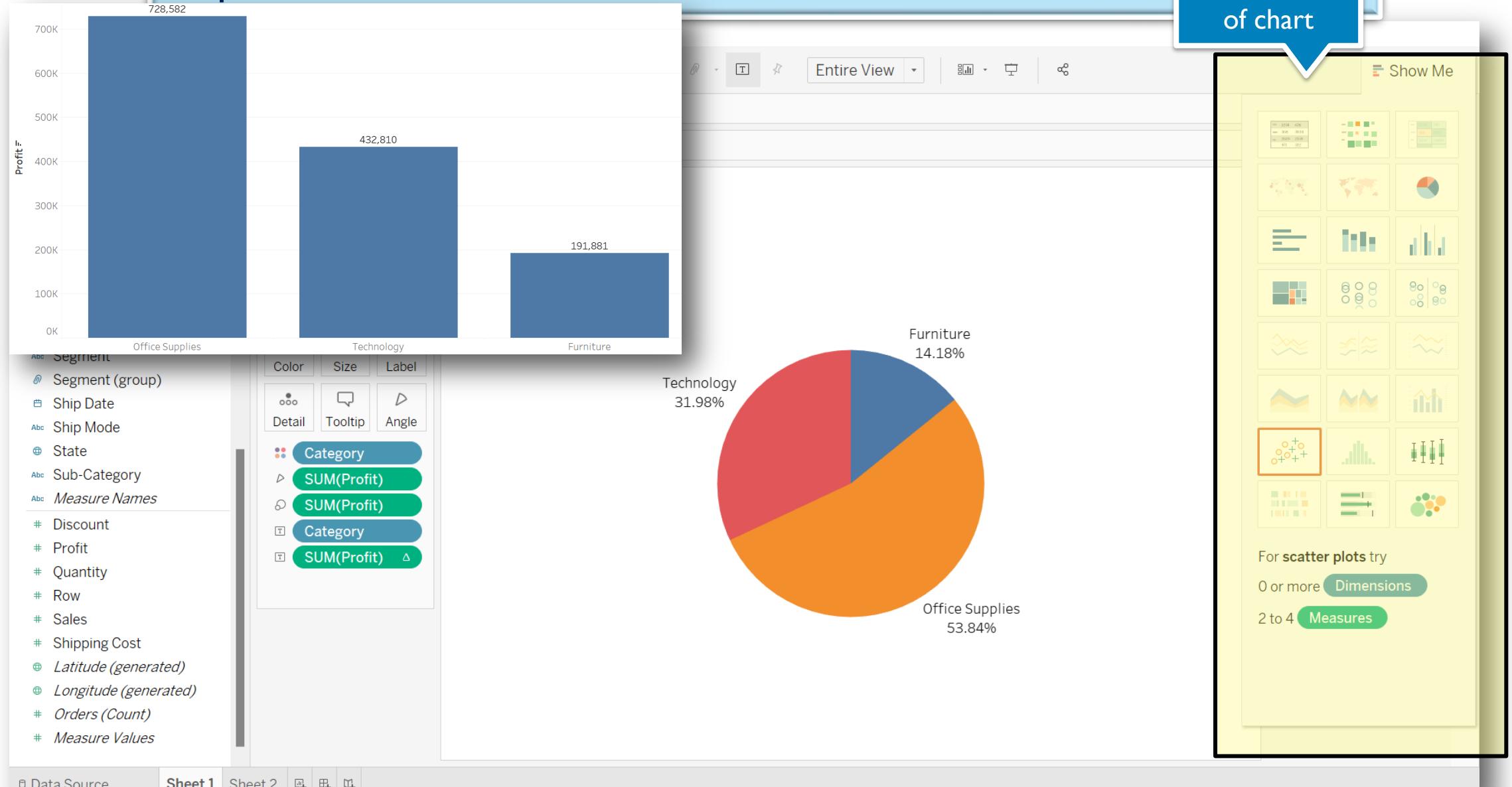
# Dimensions vs Measures

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**Dimensions** contain **qualitative** values (such as names and dates) which can be used to categorize, segment, and reveal the details of the data.

**Measures** contain **numeric, quantitative** values that you can measure, which can be aggregated.

## Step 3: The Worksheet



# Basic Data Types

Visual Cue	Description
Abc	The field contains text values
#	The field contains numerical values
□	The field contains date values
🌐	The field contains geographical data
T F	The field contains Boolean values
⌚	The field is a user-defined set
.  .	The field is a numerical bin
📎	The field is a group
ἱἱἱ	The field is a relational hierarchy

Tables	
Order Date	Order Date
Order ID	Order ID
Order Profitable?	=T F Order Profitable?
Product	Product
Category	Abc Category
Sub-Category	Abc Sub-Category
Product Name	Abc Product Name
Product ID	Abc Product ID
Row ID	# Row ID
Segment	Abc Segment
Ship Date	□ Ship Date
Ship Mode	Abc Ship Mode
Ship Status	=Abc Ship Status
Days to Ship Actual	=# Days to Ship Actual
Days to Ship Scheduled	=# Days to Ship Scheduled
Discount	# Discount
Profit	# Profit
Quantity	# Quantity
Sales	# Sales

# Data Types

Blue icons indicate that the field is discrete.

Green icons indicate that the field is continuous.

Icons preceded by the equal sign (=) indicates that the field is a **user-defined field**.

## Tables

 Order Date
 Order ID
 Order Profitable?
▼  Product
 Category
 Sub-Category
 Product Name
 Product ID
 Row ID
 Segment
 Ship Date
 Ship Mode
 Ship Status
 Days to Ship Actual
 Days to Ship Scheduled
 Discount
 Profit
 Quantity
 Sales

# Calculated Fields

To segment data

To convert data type

To aggregate data

To filter results

To calculate ratios

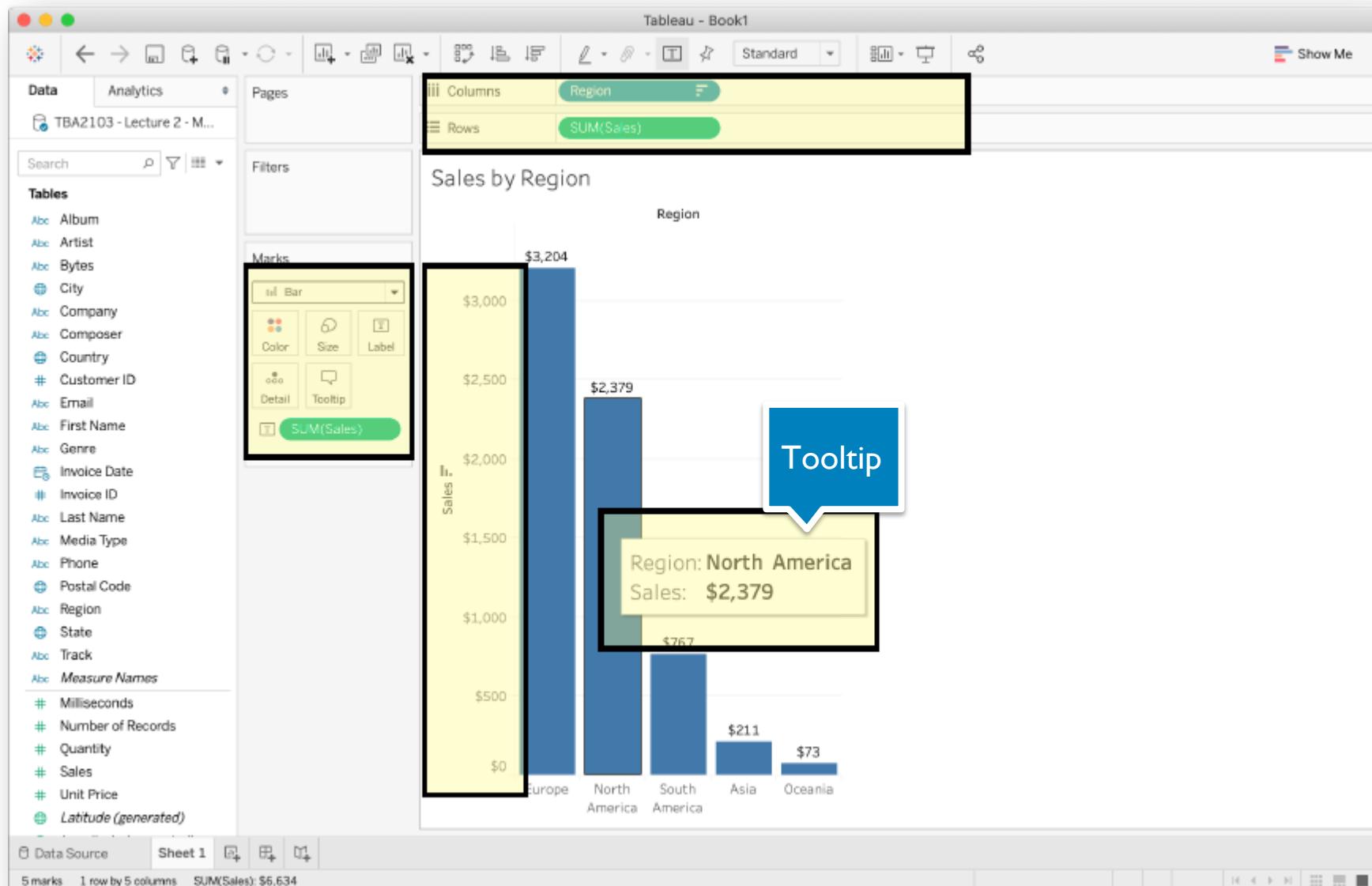
Etc.

Tableau supplies a wide-range of pre-defined functions to support various calculation.

Details can be found at:

- <https://help.tableau.com/current/pro/desktop/en-us/functions.htm>

## Step 4: Representation and Presentation - Worksheet



# Step 4: Representation and Presentation - Dashboard

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Show Me

**Customer Analysis**

Count of Customers

Region	Count
West	686
East	542
Cent.	629
South	451

Sales

Region	Sales
West	\$739,814
East	\$503,171
Cent.	\$8,820
South	\$800

Quantity

Region	Quantity
West	12,466
East	5,108
Cent.	11,078
South	3,9865

Sales per Customer

Region	Sales per Customer
West	\$1,078
East	\$1,078
Cent.	\$800
South	\$800

Profit

Region	Profit
West	\$110,799
East	\$39,865
Cent.	\$11,111
South	\$11,111

Profit Ratio

Region	Profit Ratio
West	11
East	11
Cent.	11
South	11

**Sales and Profit by Customer**

**Customer Ranking**

Customer	Sales
Sean Miller	\$25,043
Tamara Chand	\$19,052
Raymond Buch	\$14,596
Tom Ashbrook	\$14,175
Adrian Barton	\$12,873
Ken Lonsdale	\$12,129
Sanjit Chand	\$12,129
Hunter Lopez	\$11,820
Sanjit Engle	\$11,471
Christopher Con..	\$11,471
Todd Sumrall	\$10,881
Greg Tran	\$10,604
Becky Martin	\$10,461
Seth Vernon	\$10,461
Caroline Jumper	\$9,800
Clay Ludtke	\$9,800
Maria Etezadi	\$9,300
Karen Ferguson	\$9,300
Bill Shonely	\$9,063
Joe Elijah	\$9,063
Edward Hooks	\$9,063
John Lee	\$9,063
Grant Thornton	\$9,063
Helen Wasserman	\$9,063
Tom Boeckenhau..	\$9,063
Peter Fuller	\$9,063
Christopher Mar..	\$9,063

**Filter Across Worksheets**

Year: (All)

Category: (All) Furniture Office Sup... Technology

Segment: (All) Consumer Corporate Home Offi...

Profit Ratio: -50.0% 50.0%

Horizontal

Vertical

A Text

Image

Web Page

Data Story

Tiled

Floating

Show dashboard title

Data Source Overview Product Customers Shipping Performance Commission Model Order Details Forecast What If Forecast

# Step 4: Representation and Presentation - Dashboard

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Fit Width Show Me

**Dashboard Layout**

Default  
Tablet  
Phone  
Device Preview

**Customer Analysis**

Count of Customers Sales Quantity Sales per Customer Profit Profit Ratio

Region	Count of Customers	Sales	Quantity	Sales per Customer	Profit	Profit Ratio
West	686	\$739,814	12,466	\$1,078	\$110,799	15.0%
East	629	\$503,171	8,820	\$800	\$46,749	11.9%
Cent..	629					
South						

**Sales and Profit by Customer**

**Customer Ranking**

Customer	Sales	Profit
Tom Ashbrook	\$13,723	
Hunter Lopez	\$10,523	
Bill Shonely	\$9,383	
Greg Tran	\$8,766	
Seth Vernon	\$7,629	
Christopher Con..	\$6,938	
Peter Fuller	\$5,872	
Todd Sumrall	\$5,433	
Tom Boeckenhau..	\$5,048	
Daniel Raglin	\$4,952	
Karen Daniels	\$4,843	
Keith Dawkins	\$4,770	
Caroline Jumper	\$4,487	
Quincy Jones	\$4,454	
Pete Kriz		
Luke Weiss		
Cindy Stewart		
Darrin Martin		
Natalie Fritzler		
Joseph Airdo		
Nathan Mautz		
John Murray		
Tom Prescott		
Adam Bellavance		
Anthony Jacobs		
Suzanne McNair		
Ben Ferrer		
Christian... Other		

Year (All)

Category (All) Furniture Office Sup... Technology

Segment (All) Consumer Corporate Home Offi...

Profit Ratio -50.0% 50.0%

**Objects**

Horizontal Blank  
Vertical Navigation  
Text Download  
Image Extension  
Web Page Ask Data  
Data Story

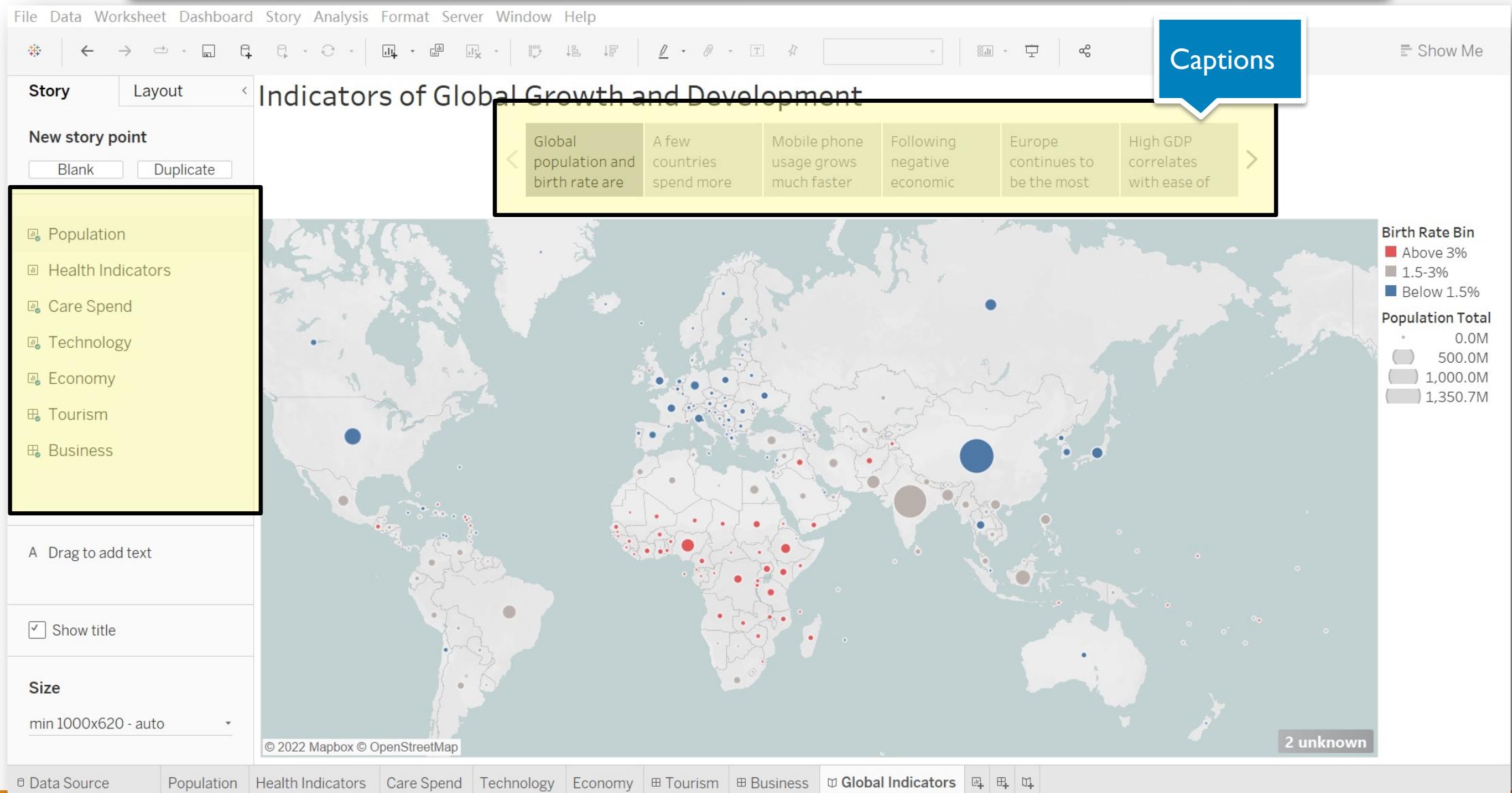
Tiled Floating

Show dashboard title

Data Source Overview Product Customers Shipping Performance Commission Model Order Details Forecast What If Forecast

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# Step 4: Representation and Presentation - Story



# SAMPLE CHARTS IN TABLEAU

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# Sample Workbooks

File Server Help

Connect

Open

Search for Data

Tableau Server

To a File

Microsoft Excel

Text file

JSON file

Microsoft Access

PDF file

Spatial file

Statistical file

More...

To a Server

Microsoft SQL Server

MySQL

Oracle

Amazon Redshift

More...

Saved Data Sources

Sample - Superstore

Discover

Open a Workbook

Training

Getting Started

Connecting to Data

Visual Analytics

Understanding Tableau

More training videos...

Resources

Get Tableau Prep

Tableau Blueprint Assessment

Tableau Community Forums

Tableau Accelerators

Blog - Read latest post

Accelerators

Superstore

Regional

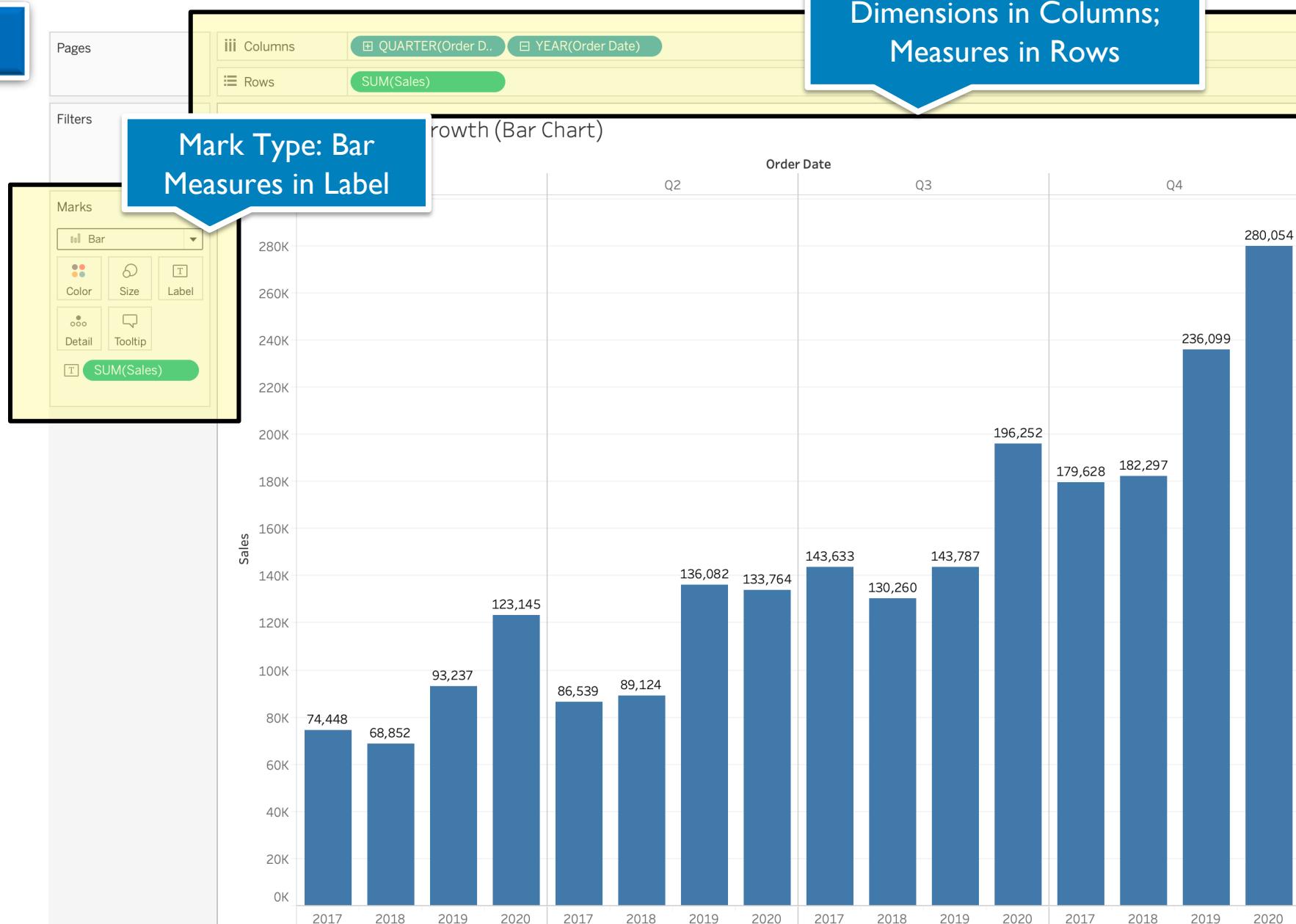
World Indicators

More Accelerators

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# Bar Chart

Dimensions in Columns;  
Measures in Rows



# Adding More Details in Bar Chart

Table Calculation  
% Difference in Sales

**Calculation Type**  
Percent Difference From

**Compute Using**

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

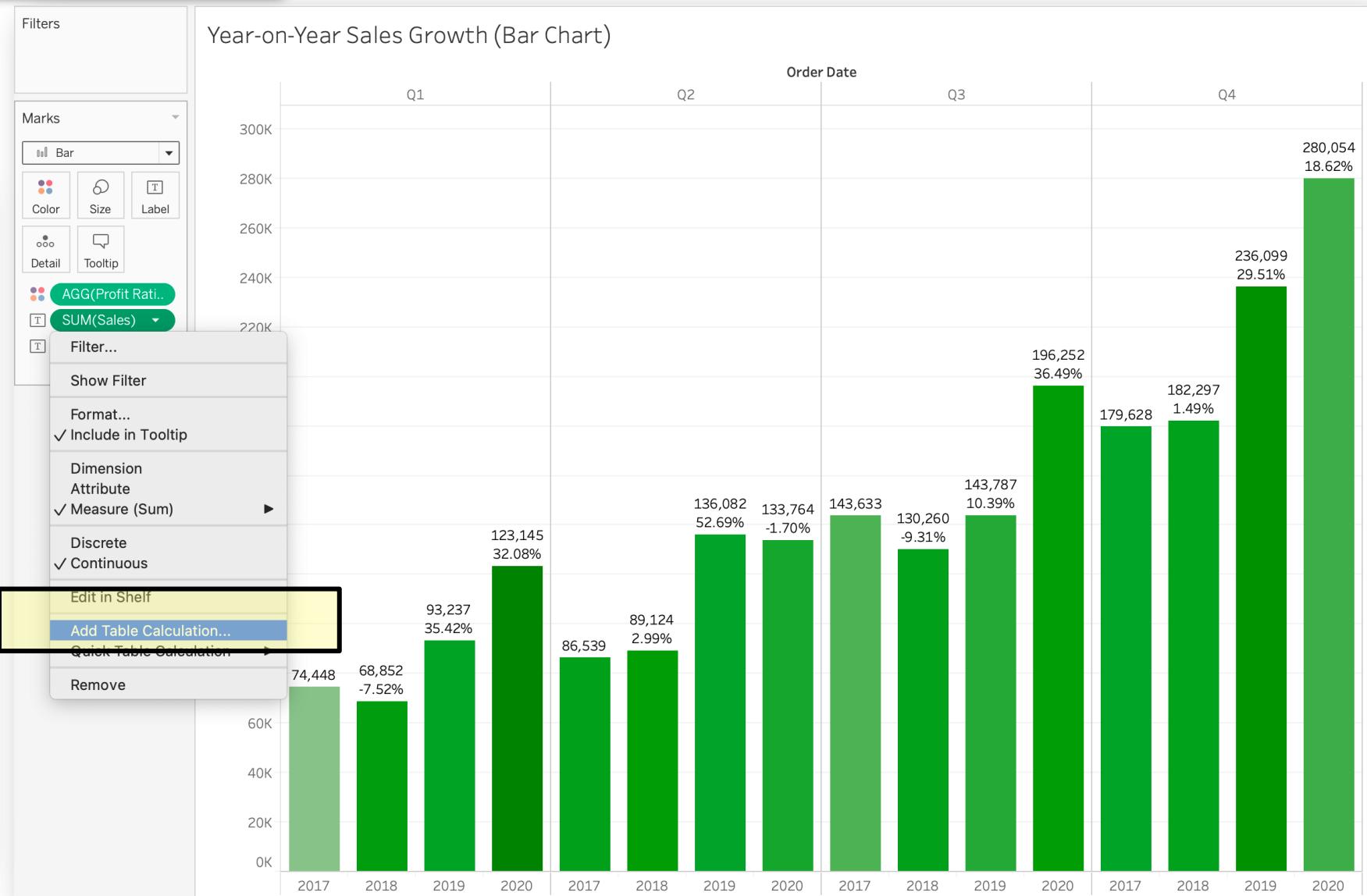
**Specific Dimensions**

- Year of Order Date
- Quarter of Order Date

At the level

Relative to Previous

Show calculation assistance



# PRACTICE (10 MINS): BAR CHART

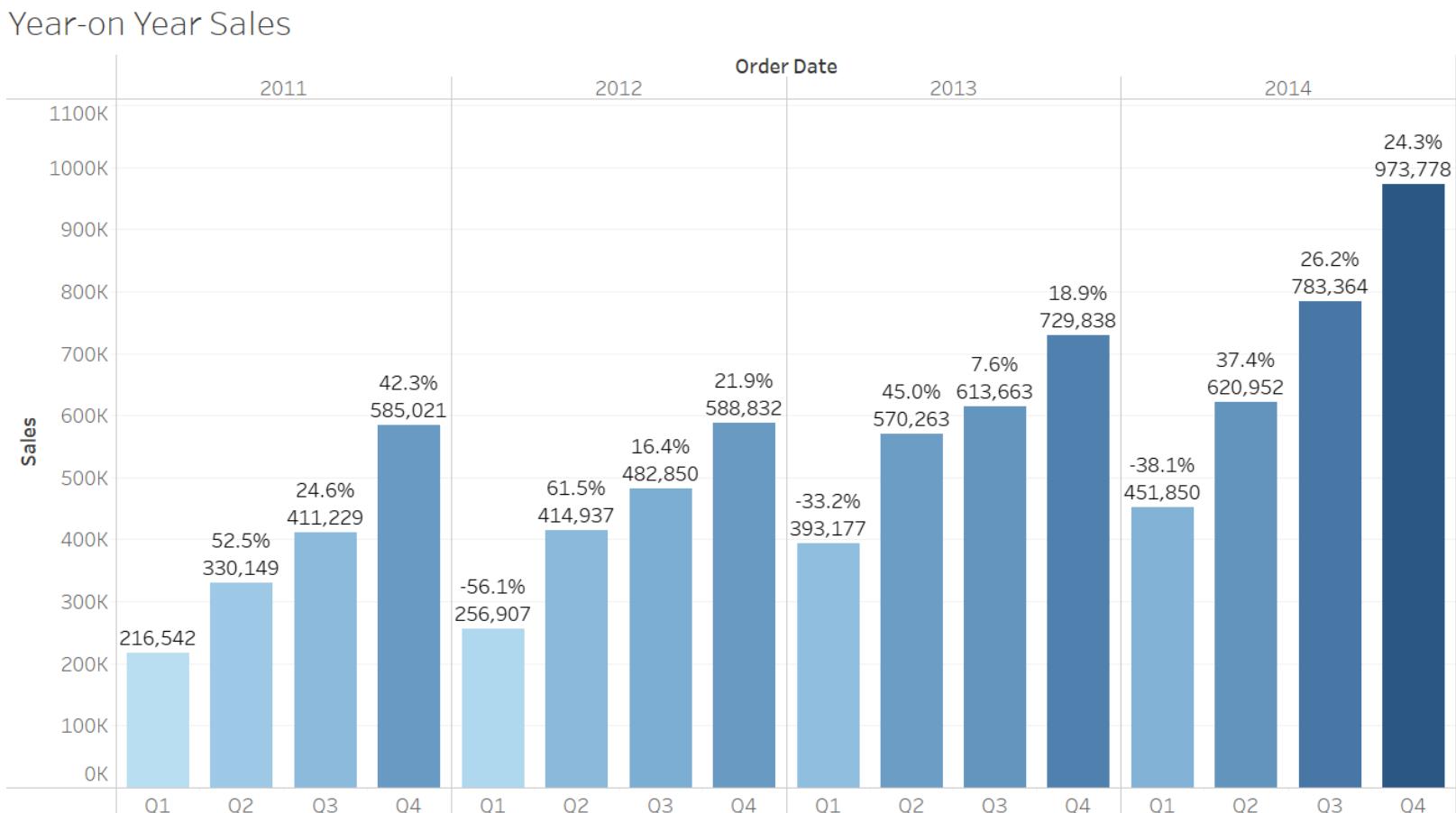
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# Objectives

## 1. Connect to “Sales Data.xlsx”

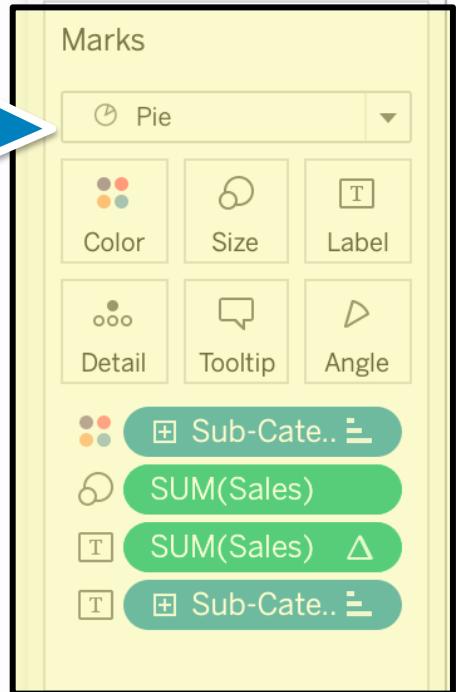
- “Live” connection.
- No filters.

## 2. Recreate the bar chart:

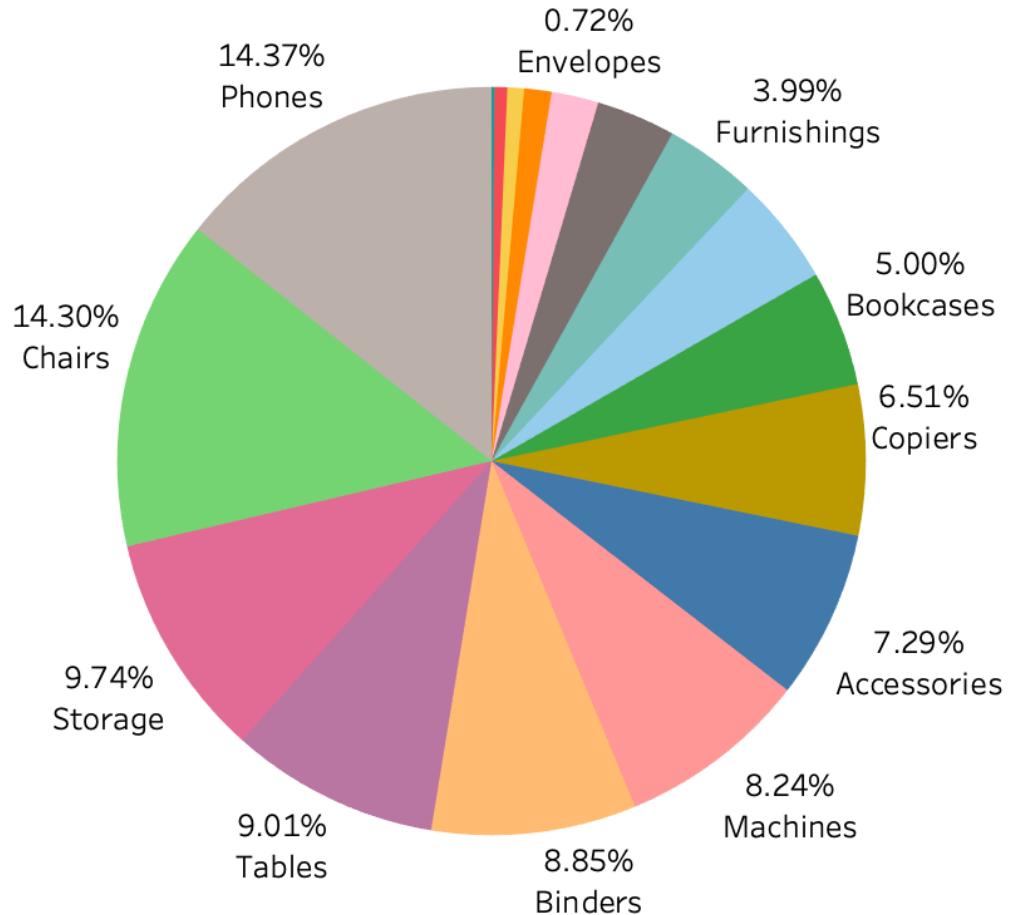


# Pie Chart

Color: Category (Dimension)  
Label: Category (Dimension) & Sales (Measure)  
Size: Sales (Measure)



Sales Composition by Sub-category (Pie Chart)



# PRACTICE (10 MINS): PIE CHART

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# Objectives

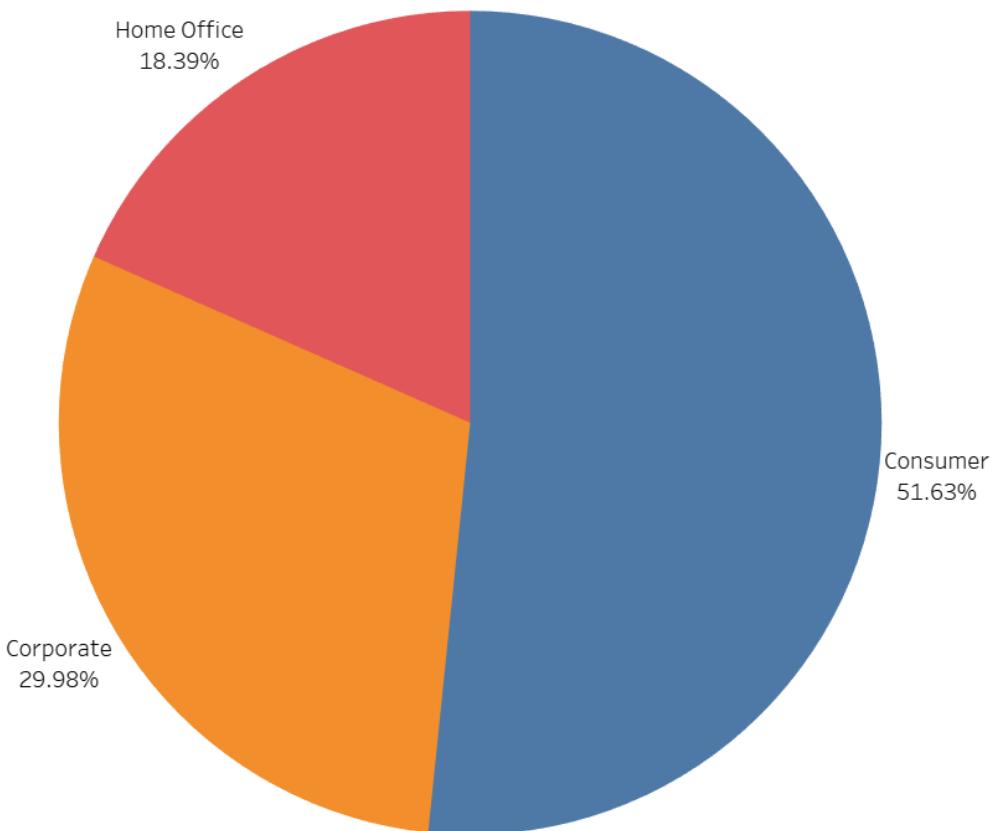
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## 1. Connect to “Sales Data.xlsx”

- “Live”  
connection.
- No filters.

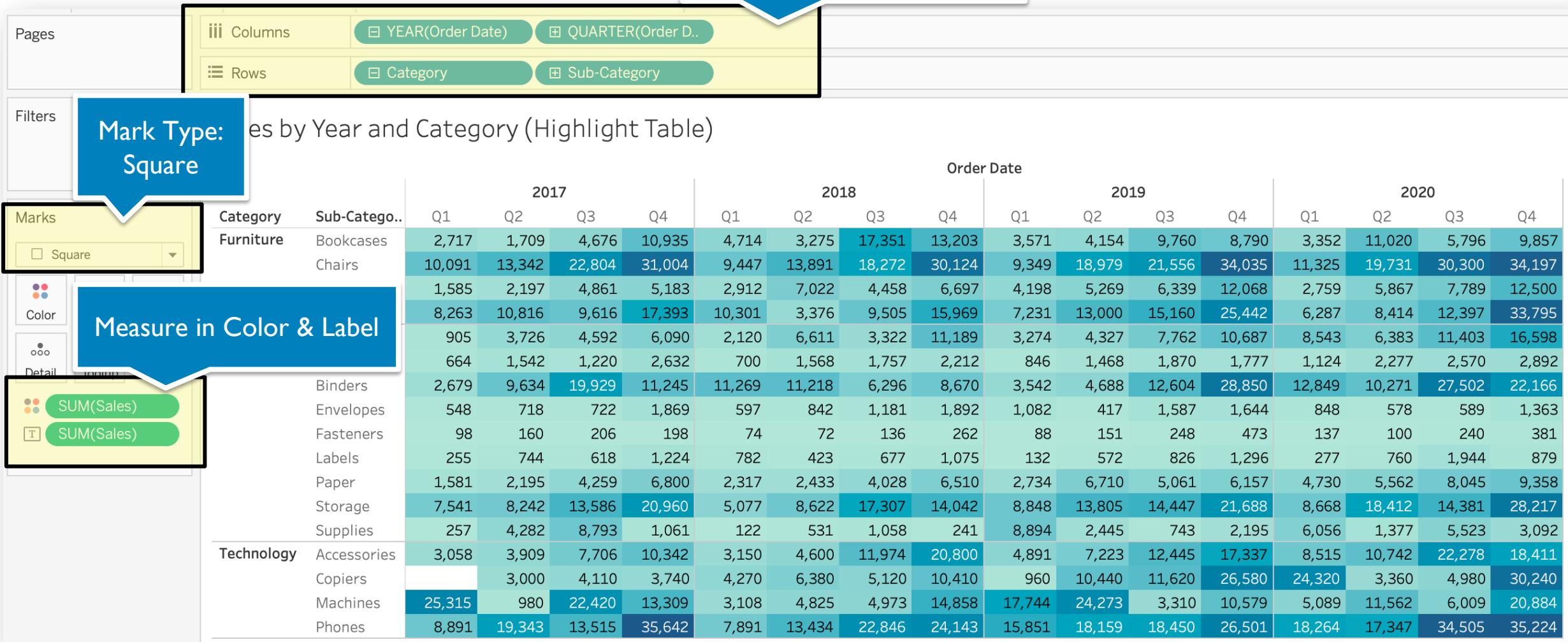
## 2. Recreate the pie chart:

Percentage of Number of Orders by Segments



# Highlight Table

Multiple Dimensions in  
Columns and Rows



# PRACTICE (10 MINS): HIGHLIGHT TABLE

---

# Objectives

## 1. Connect to “Sales Data.xlsx”

- “Live” connection.
- No filters.

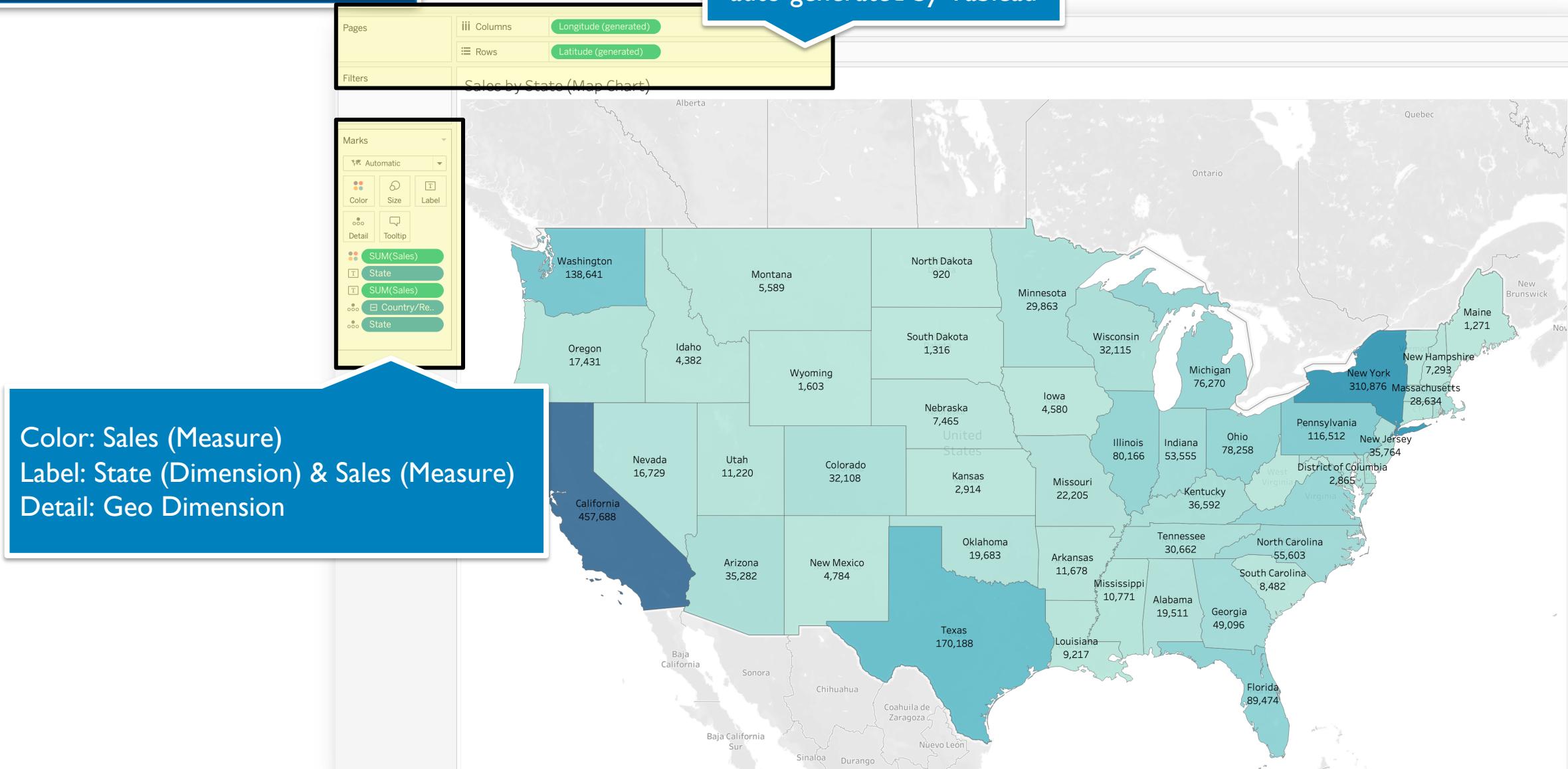
## 2. Recreate the Highlight Table:

Profit by Category and Year

Category	Sub-Category	2011				2012				2013				2014			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Furniture	Bookcases	2,658	3,846	4,989	9,645	23	6,328	3,777	7,662	7,336	6,268	7,252	10,396	3,655	10,206	17,047	11,373
	Chairs	2,003	3,708	3,358	10,527	-284	5,163	5,898	6,700	3,840	6,538	8,943	9,775	8,364	4,155	5,389	12,479
	Furnishings	730	75	2,073	1,678	1,012	1,956	2,328	1,982	1,086	1,040	2,420	4,171	2,378	2,250	4,040	1,715
	Tables	-2,029	-2,643	-1,300	-329	-1,710	-1,360	1,153	-6,051	1,845	-3,838	-2,152	-5,870	-4,460	-7,491	-1,662	-10,171
Office Supplies	Appliances	2,272	5,887	5,433	4,132	1,440	4,766	6,616	3,721	5,087	11,406	7,068	11,174	5,443	5,941	7,215	11,501
	Art	1,029	2,298	2,000	2,191	599	1,509	2,573	3,313	1,569	2,303	2,482	3,098	2,112	3,163	4,790	3,956
	Binders	1,131	2,910	3,512	1,030	1,570	5,233	2,337	1,045	3,172	2,267	2,008	11,112	3,139	5,529	7,169	485
	Envelopes	206	831	1,374	570	368	1,204	1,203	1,751	1,164	935	2,829	1,599	1,200	944	1,285	2,201
	Fasteners	201	360	502	293	341	513	477	503	45	205	576	899	337	736	459	791
	Labels	292	517	573	768	445	582	411	630	294	478	800	875	596	804	1,481	849
	Paper	865	1,222	2,206	3,249	961	675	1,892	3,216	2,024	3,580	3,075	3,256	2,243	2,552	3,717	5,274
	Storage	2,063	481	2,252	5,209	4,237	3,958	1,805	2,615	3,082	3,305	6,468	7,965	3,838	5,396	8,313	7,937
	Supplies	576	762	791	787	176	727	975	1,575	1,003	633	1,389	959	288	992	965	1,827
Technology	Accessories	1,207	3,152	1,445	3,969	3,176	5,192	5,973	6,481	3,463	5,116	6,913	9,561	2,743	6,095	10,420	8,024
	Copiers	376	4,952	5,045	10,743	5,910	12,834	6,344	9,978	5,835	10,441	11,148	23,707	9,213	11,629	18,004	23,638
	Machines	365	764	-1,257	3,995	1,171	2,275	5,788	133	4,983	4,380	3,214	-203	2,430	2,698	3,839	6,265
	Phones	3,819	9,314	8,373	11,310	4,412	6,337	6,401	10,081	4,715	15,955	4,947	12,608	6,918	10,770	6,961	16,319

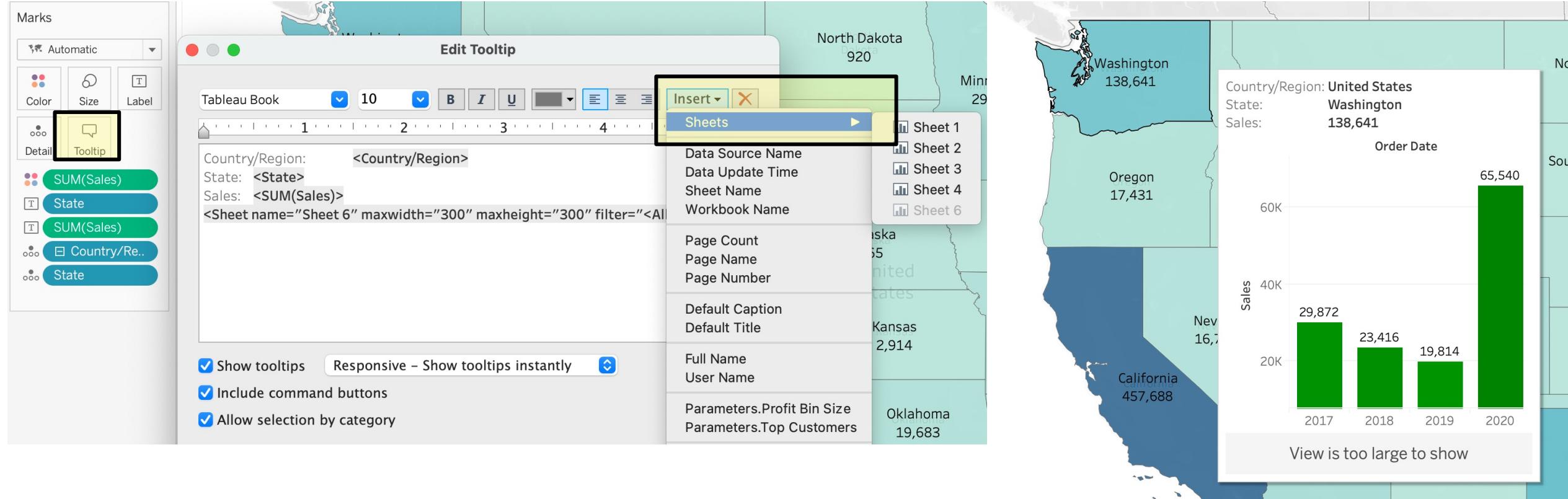
# Map Chart

Longitude and Latitude are auto-generated by Tableau



Color: Sales (Measure)  
Label: State (Dimension) & Sales (Measure)  
Detail: Geo Dimension

# Adding More Details to Map Chart

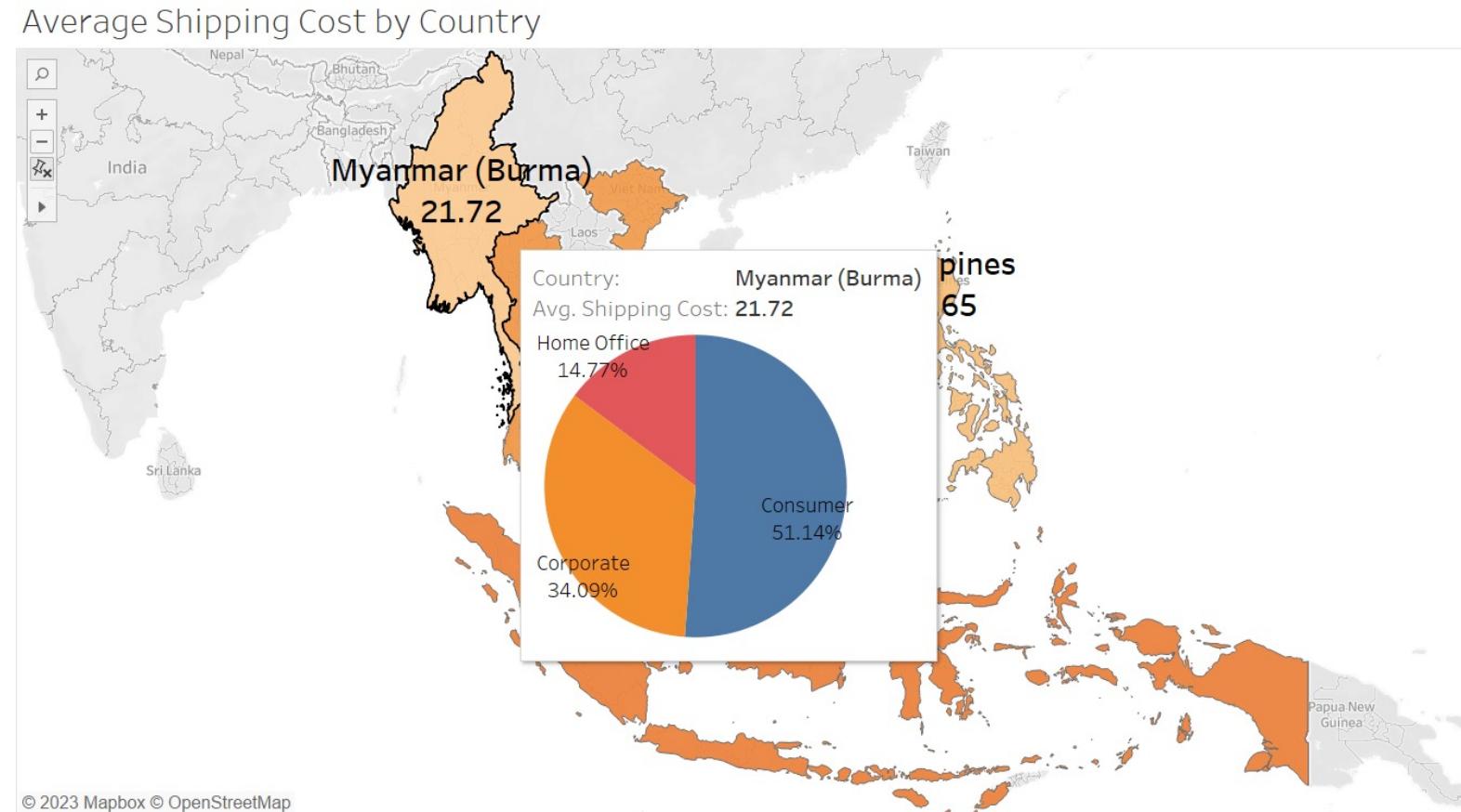


# PRACTICE (15 MINS): MAP CHART

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# Objectives

1. Connect to “Sales Data.xlsx”
  - “Live” connection.
  - No filters.
2. Recreate the Highlight Table:
  - Add **filter** by Region:  
**Southeast Asia**



# TABLEAU: Creating Charts

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