

















Tableau เป็นหนึ่งในโปรแกรม BI ยุคใหม่ที่ใช้งานได้ง่ายที่สุด

- เป็นโปรแกรมสำหรับการวิเคราะห์ข้อมูลที่สามารถนำข้อมูลจำนวนมากในองค์กรมาทำการวิเคราะห์เพื่อเป็นข้อมูล เชิงธุรกิจ
- ช่วยให้ผู้บริหารหรือผู้ใช้งานมีความเข้าใจข้อมูลเชิงลึก เพิ่มความสามารถในการตัดสินใจอย่างรวดเร็วและชาญฉลาด
- สามารถนำข้อมูลที่มีอยู่ มาสร้างเป็น Visualization และ Dashboard ได้ภายในอีกไม่กี่คลิก
- สามารถเชื่อมต่อกับฐานข้อมูลได้หลากหลาย เช่น Excel, SQL, Text file, Access เป็นต้น

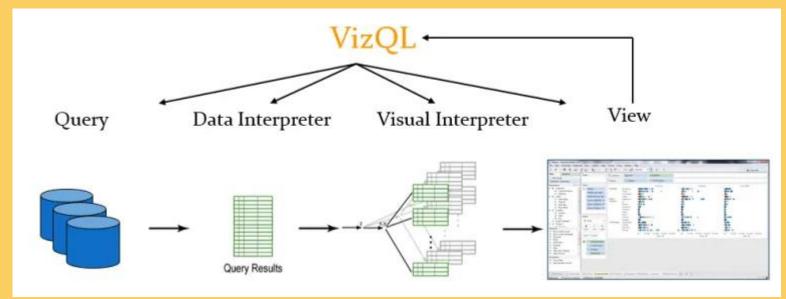


INTRODUCTION

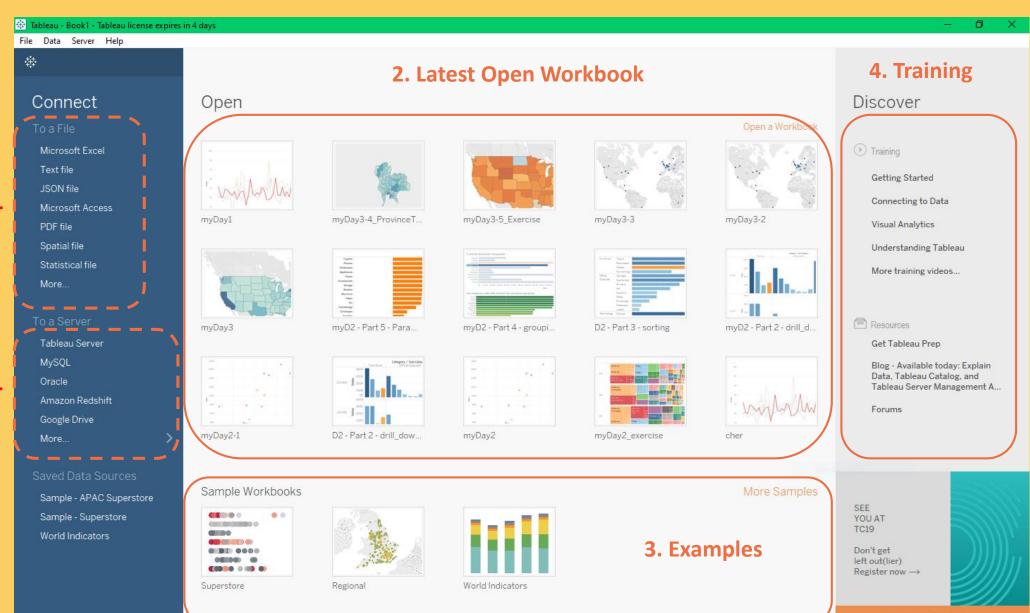


Tableau เป็นหนึ่งในโปรแกรม BI ยุคใหม่ที่ใช้งานได้ง่ายที่สุด (ต่อ)

• Engine ของ Tableau Software นั้น พัฒนาจาก VizQL Technology เป็นเทคโนโลยีที่ช่วยให้เห็นภาพของ ข้อมูลขนาดใดก็ได้เพียงการลากและวาง (Drag and Drop) โดยใช้ข้อมูลจากฐานข้อมูล ตอบสนองในรูปแบบของ กราฟฟิก



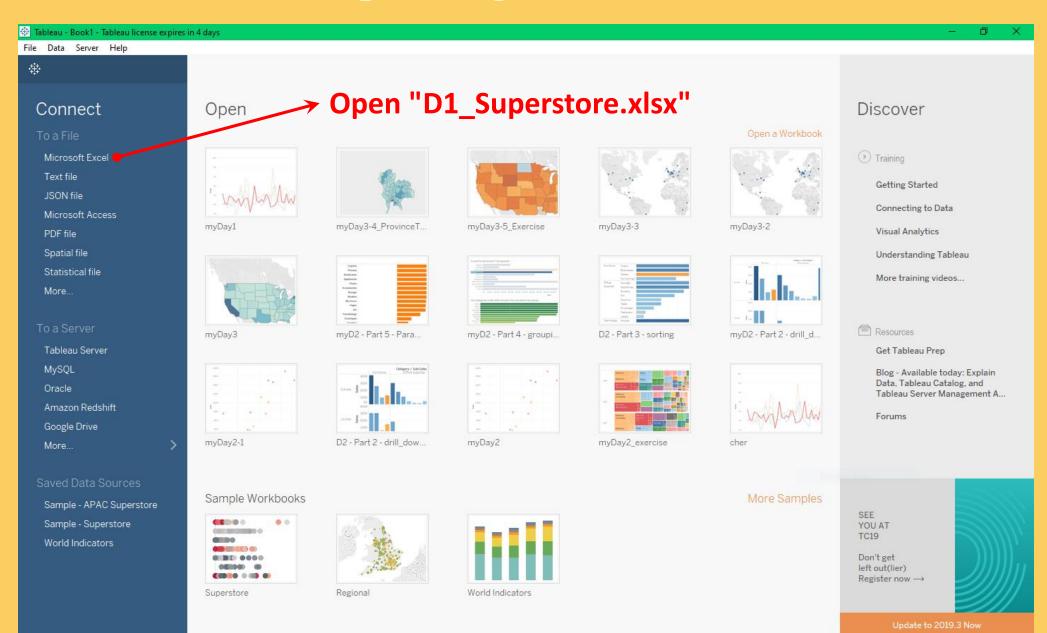




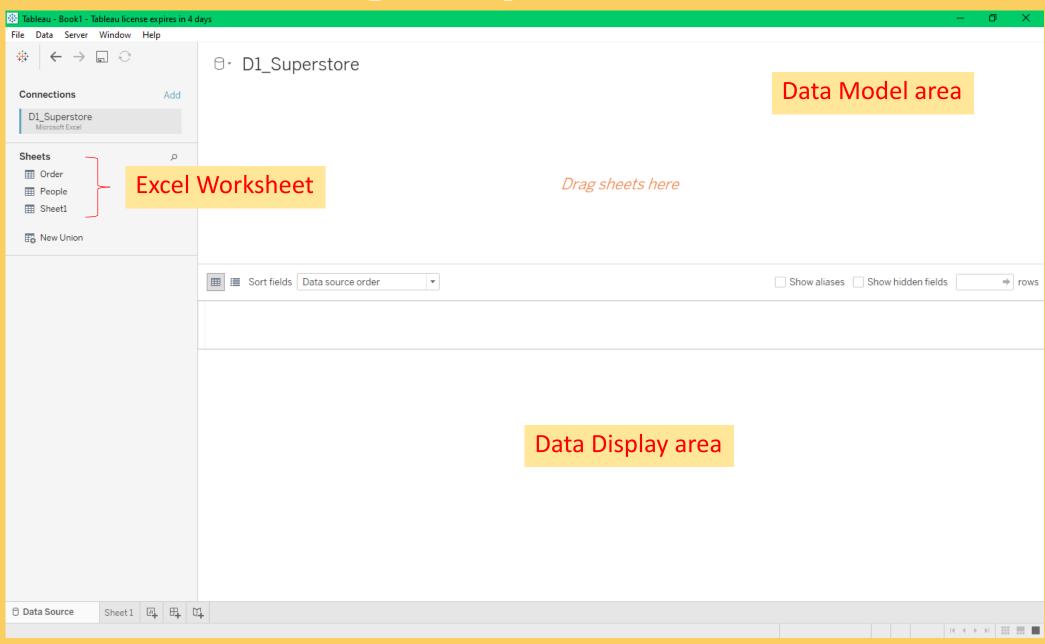
1.1 File Connector

1.2 Server Connector

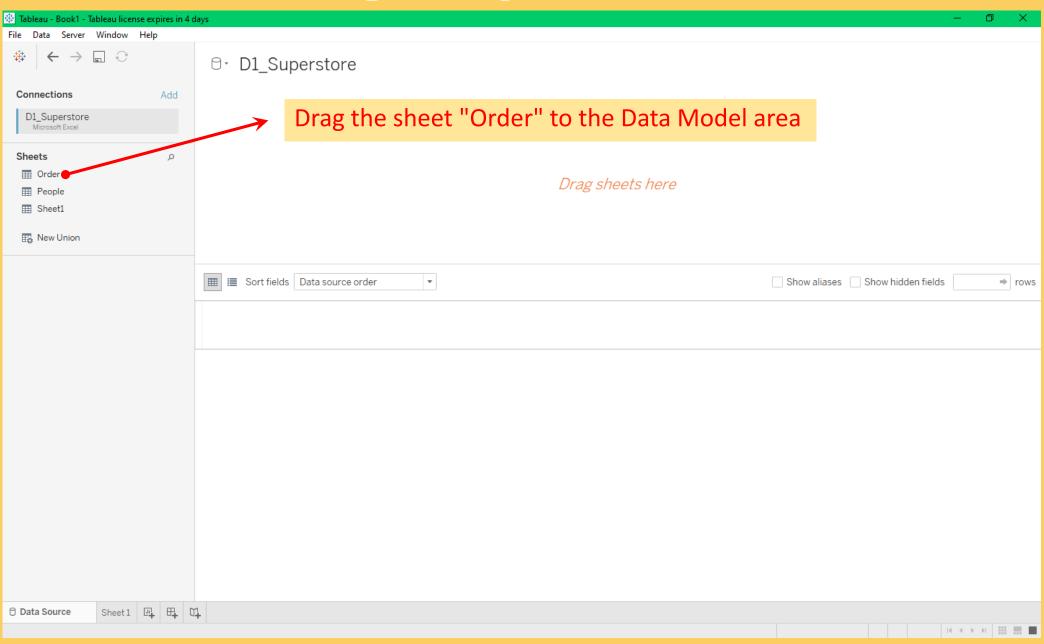




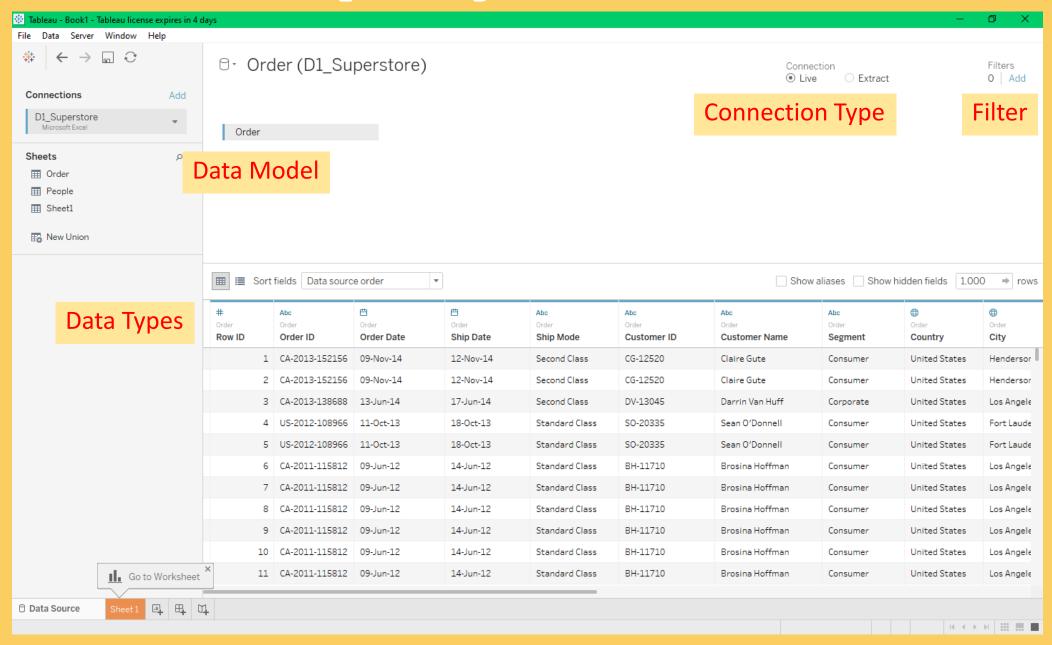
















Quiz: Data types in real world Dimension or Measure?

Phone Number

Customer Type

Minutes Outgoing

Location (Province)

Guess!

Guess!

Guess!

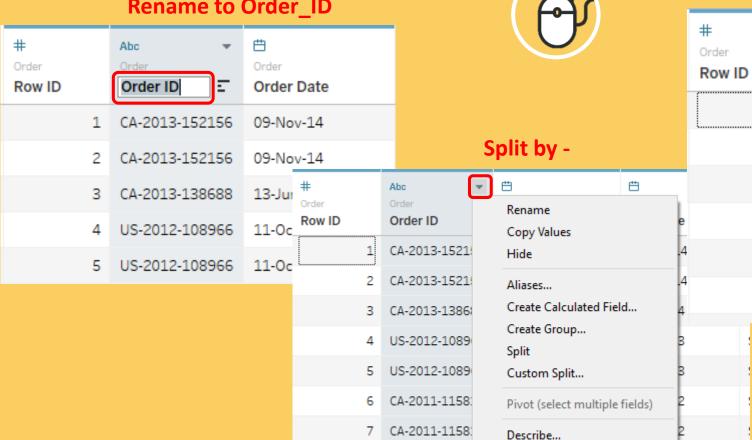
Guess!



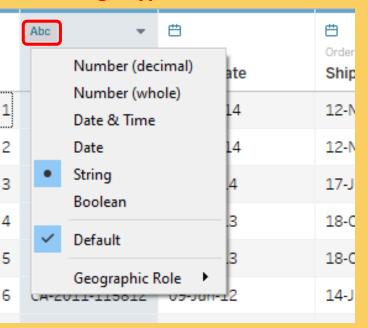
Data Columns



Rename to Order_ID



Change Type





14-Jun-12

8 CA-2011-115812 09-Jun-12



Split Column

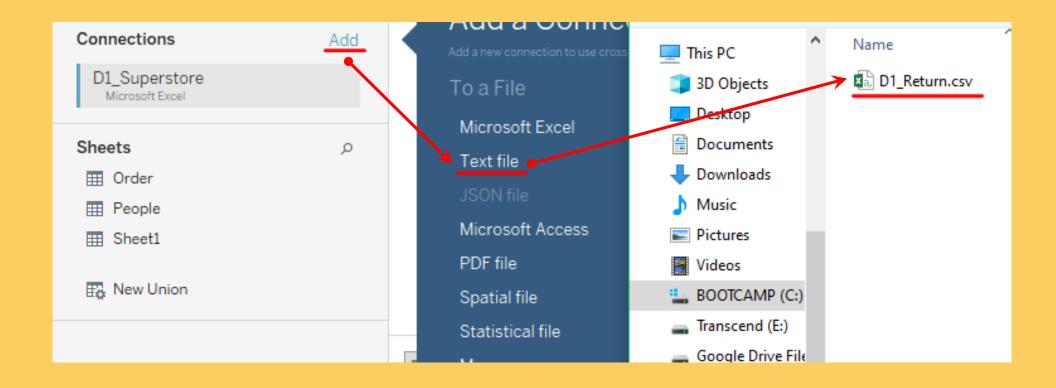
Abc Order Product ID	=Abc =Al Rename
OFF-AR-1000305	Copy Values Hide
TEC-PH-1000194	Aliases
OFF-BI-1000221	Create Calculated Field
OFF-ST-1000060	Create Group
OFF-PA-1000156	Split Custom Split
FUR-CH-1000396	Describe



Abc Order Product ID	=Abc Calculation Product ID - Split 1	=Abc Calculation Product ID -	Split 2	=# Calculation Product IC) - Split 3	Abc Order Category
OFF-AR-10003056	OFF	AR			10003056	Office Sur
TEC-PH-10001949	TEC	PH			10001949	Technolog
OFF-BI-10002215	OFF	ВІ	5 1:		10002215	Office Sur
OFF-ST-10000604	OFF	ST	Result	S	10000604	Office Sur
OFF-PA-10001569	OFF	PA			10001569	Office Sur
FUR-CH-10003968	FUR	СН			10003968	Furniture
OFF-PA-10000587	OFF	PA			10000587	Office Sur



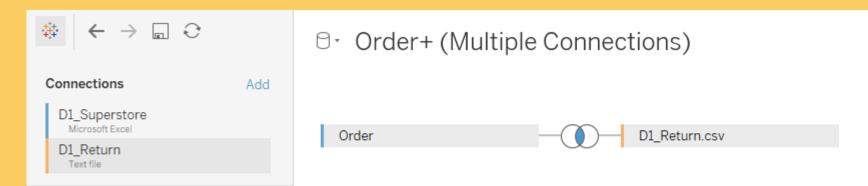
Add "D1 Return.csv"



Join Type

A 1 John
2 Sara
3 Peter

1 15000 2 9000 4 23000



INNER

ID	Name	Salary
1	John	15000
2	Sara	9000

LEFT

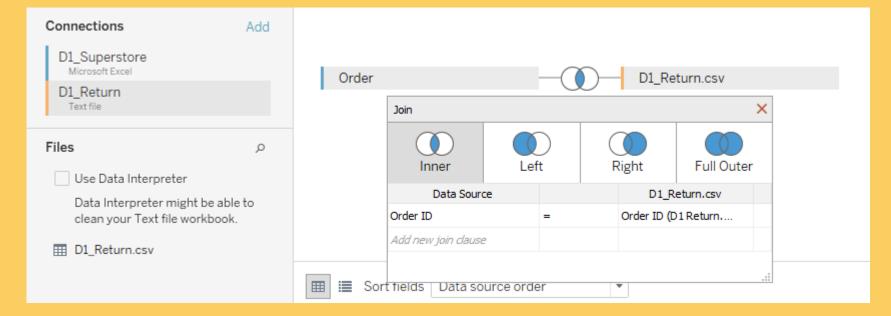
ID	Name	Salary
1	John	15000
2	Sara	9000
3	Peter	null

RIGHT

ID	Name	Salary
1	John	15000
2	Sara	9000
4	null	23000

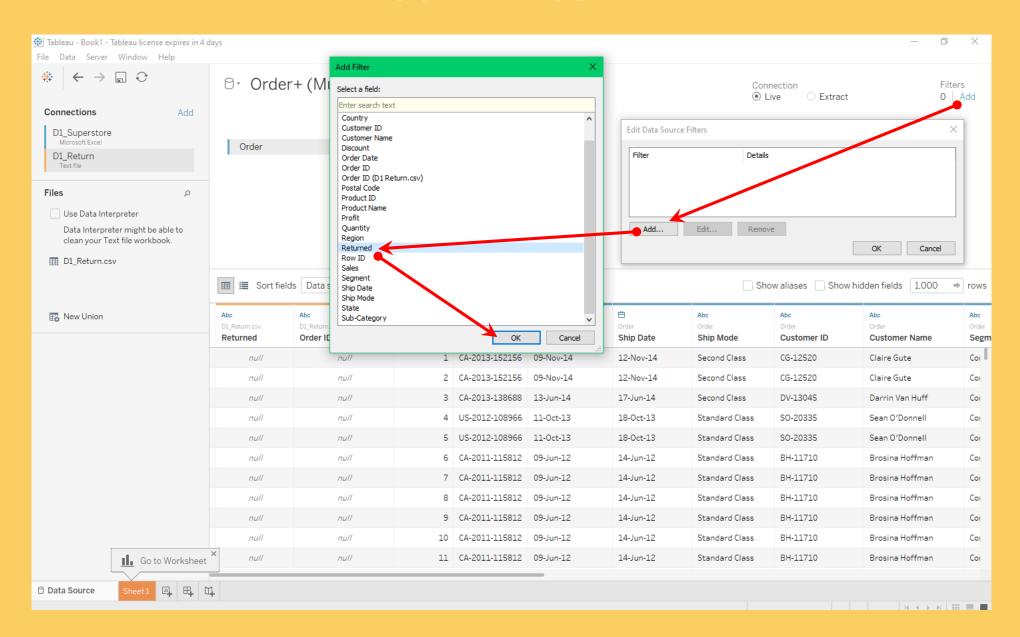
FULL OUTER

ID	Name	Salary
1	John	15000
2	Sara	9000
3	Peter	null
4	null	23000



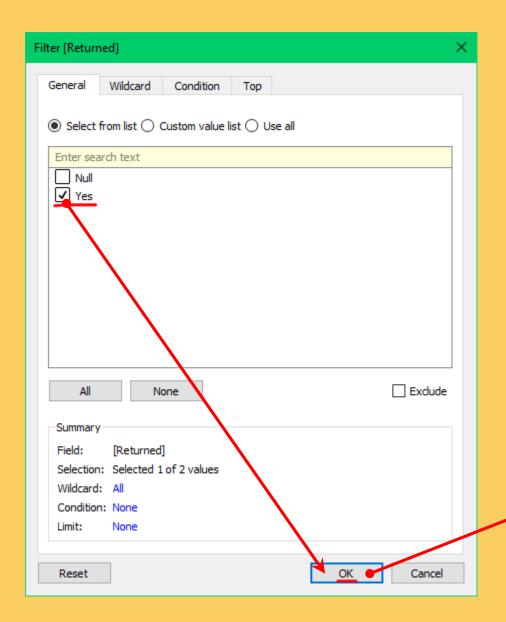


Add Filter





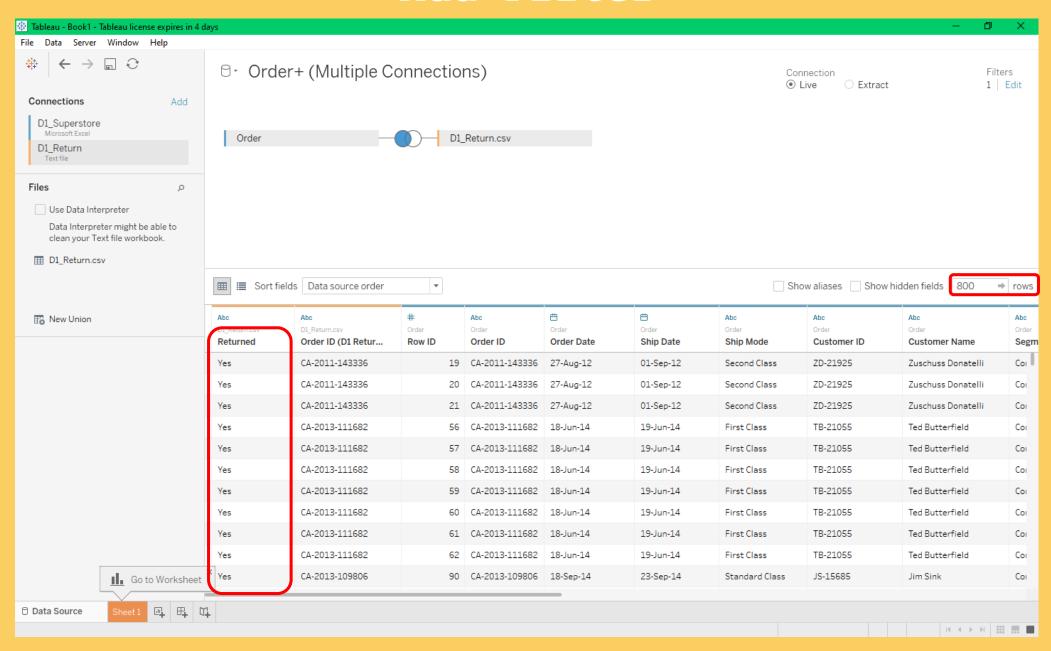
Add Filter



Edit Data Source Fil	lters		×
Filter Returned	Details keeps Yes		
Add	Edit Remove		
		7 (OK Cancel



Add Filter









Add Worksheets

Rename Worksheets

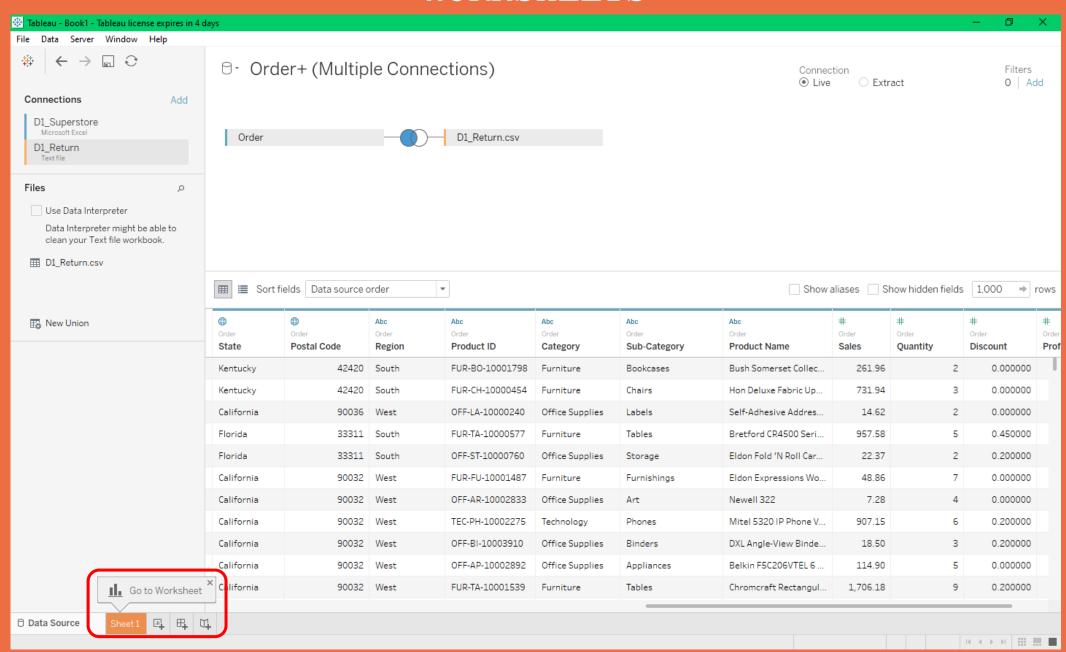
Save & Delete

Page Workbook

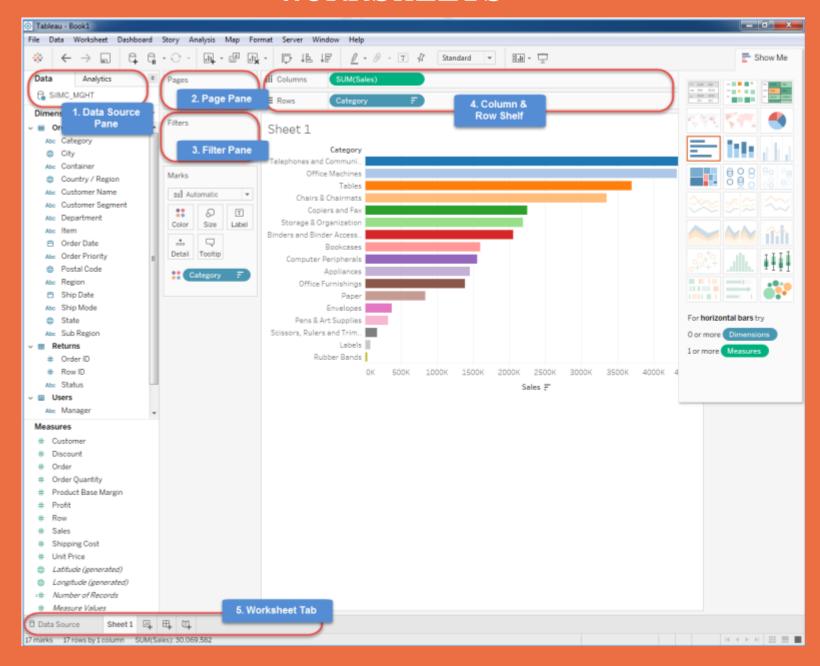




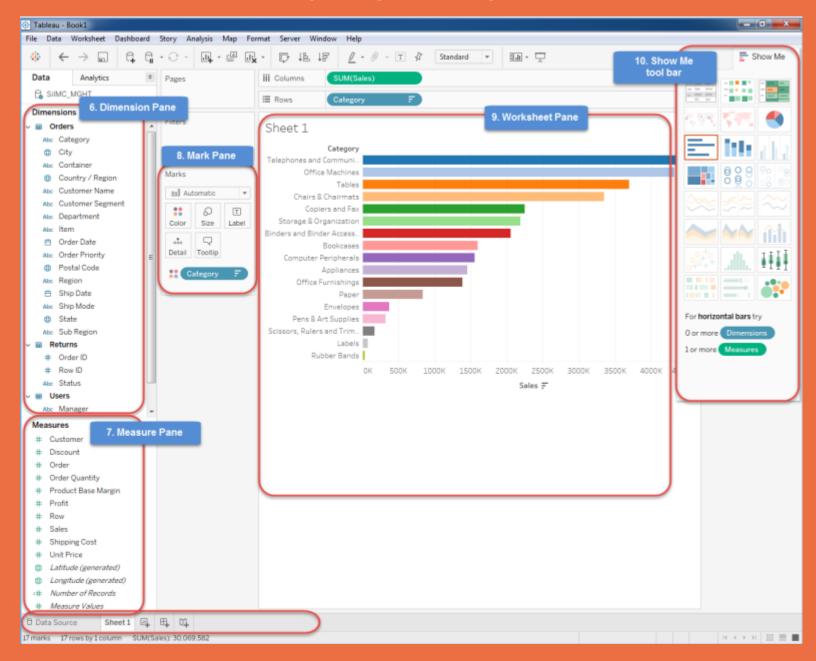






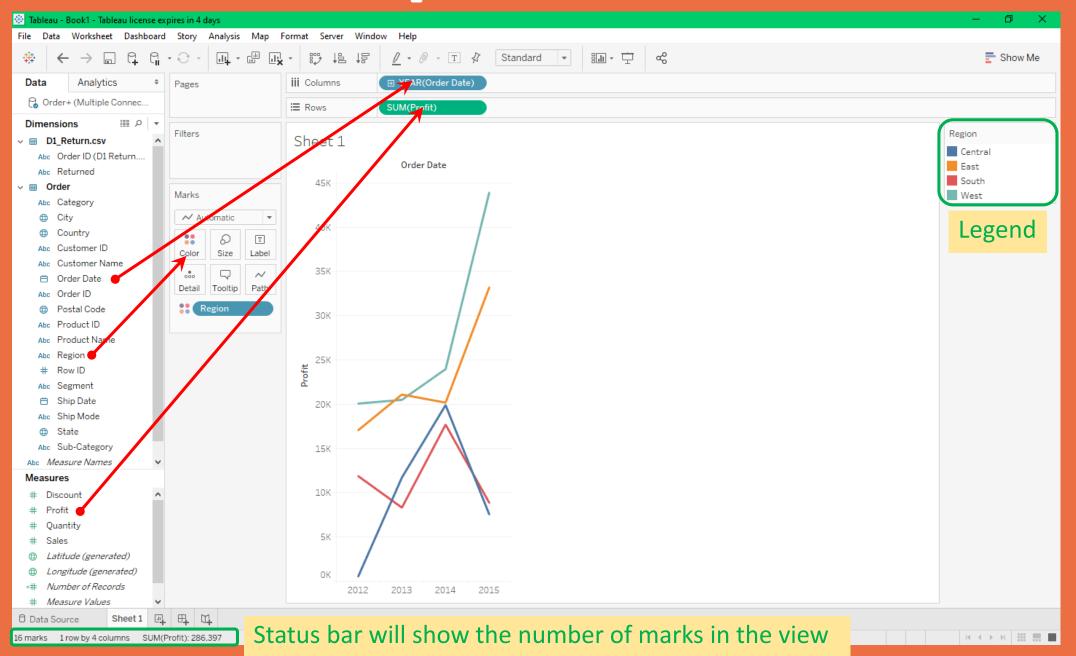




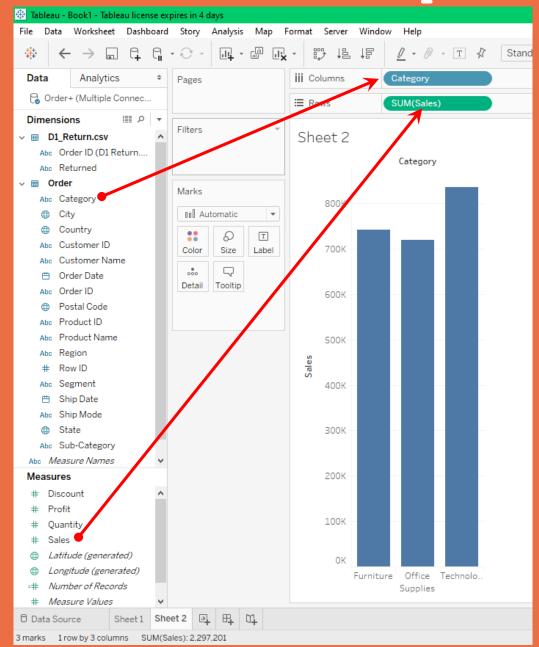


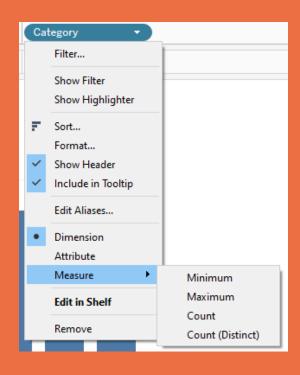


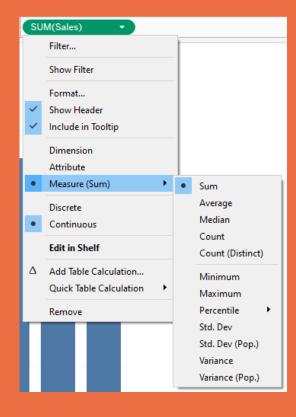
Create Simple Line Chart



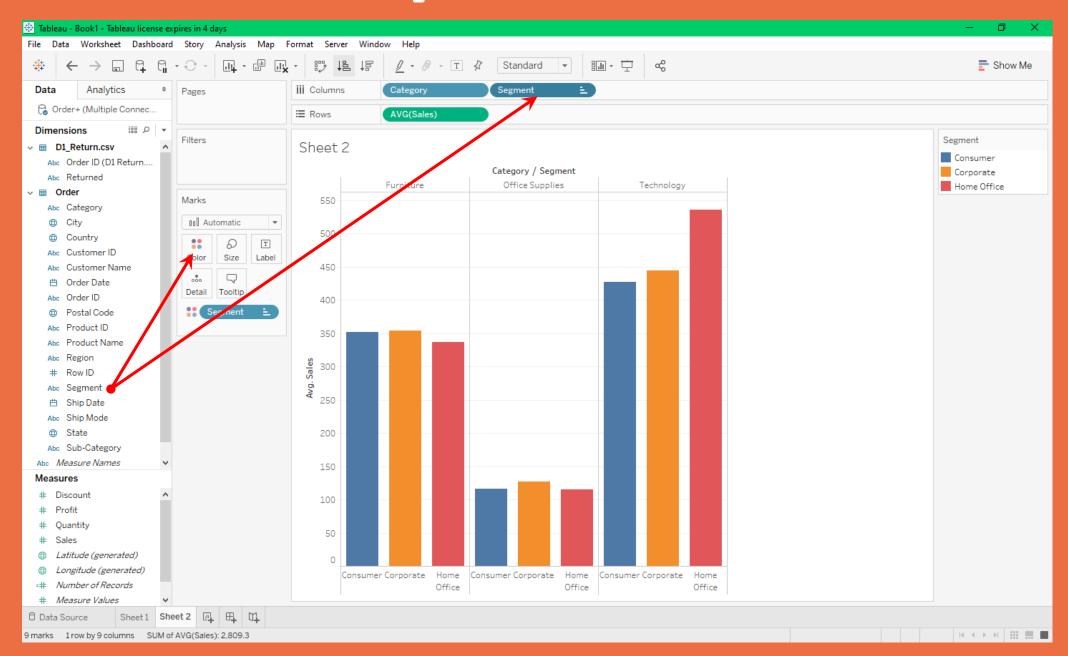




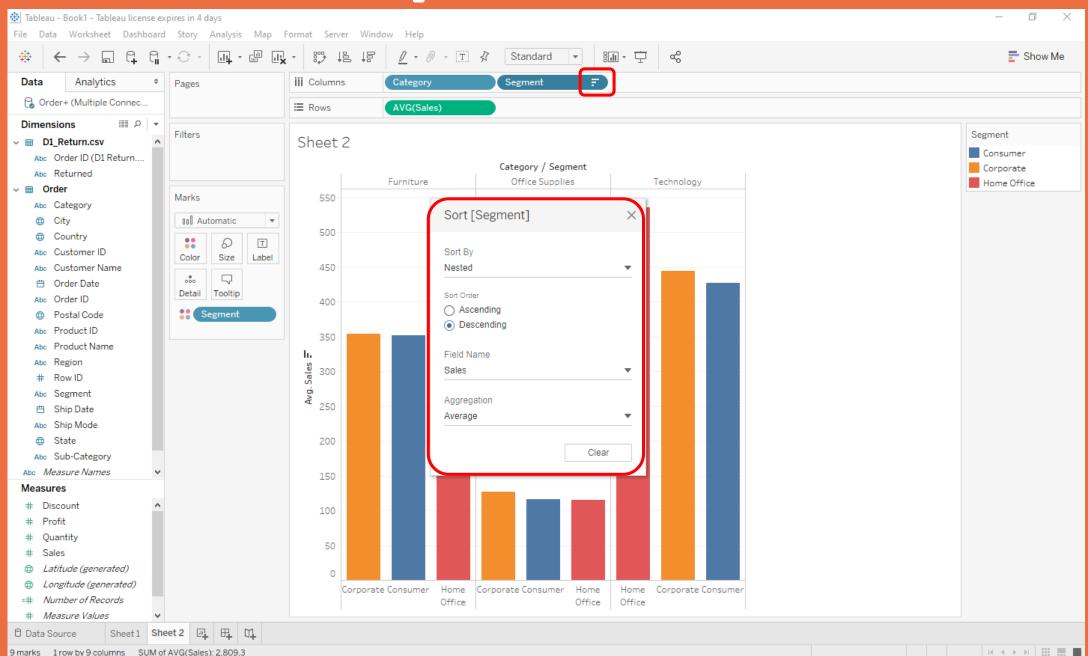




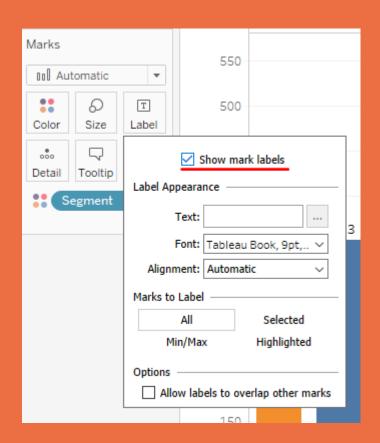


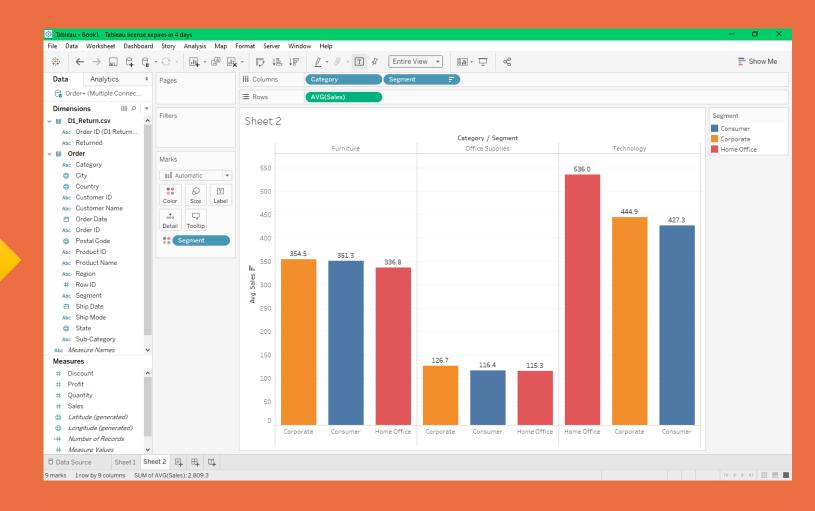






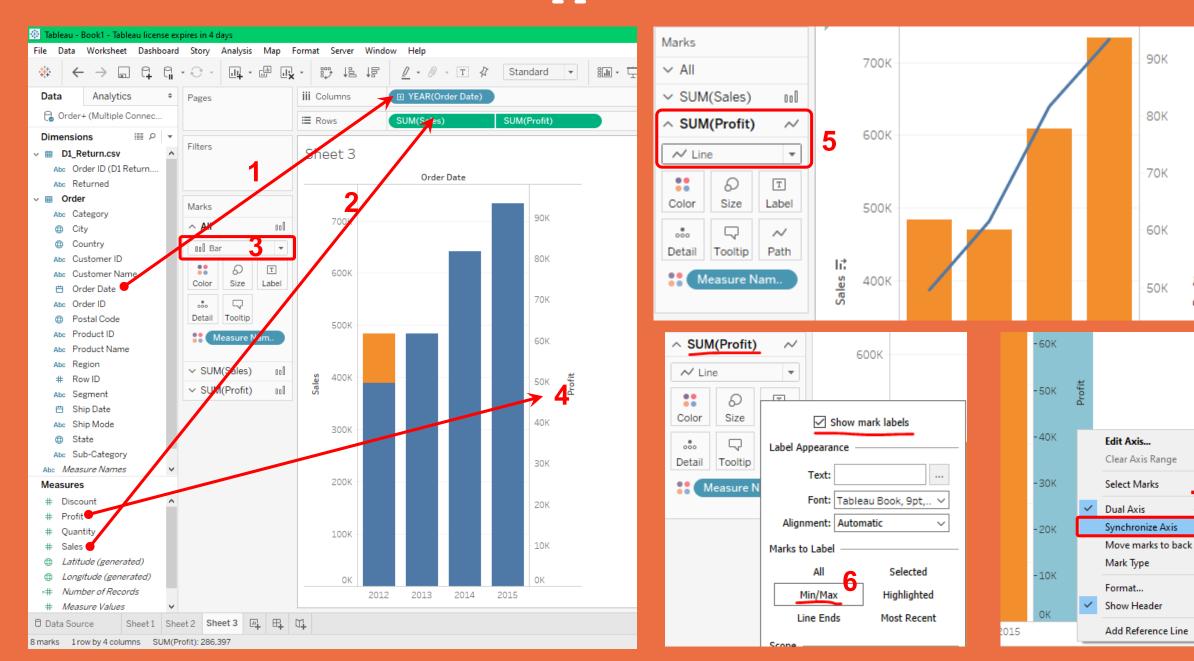






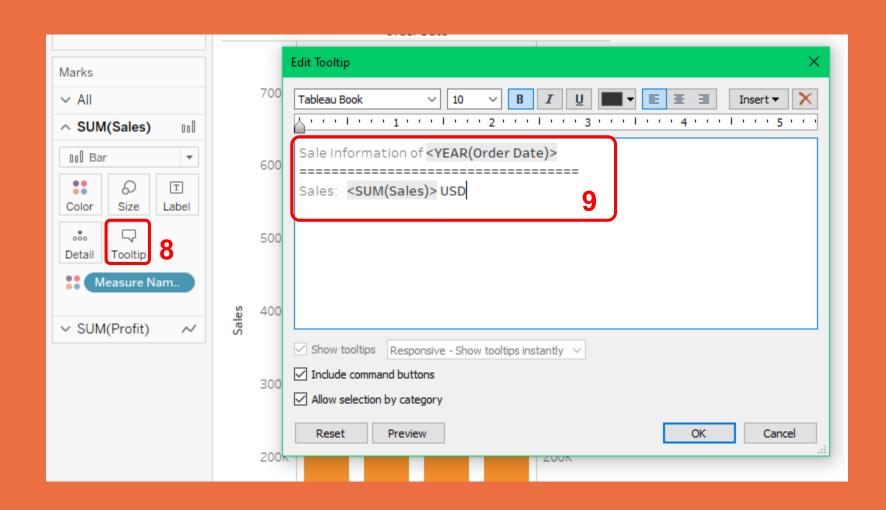


Creat Overlapped Chart



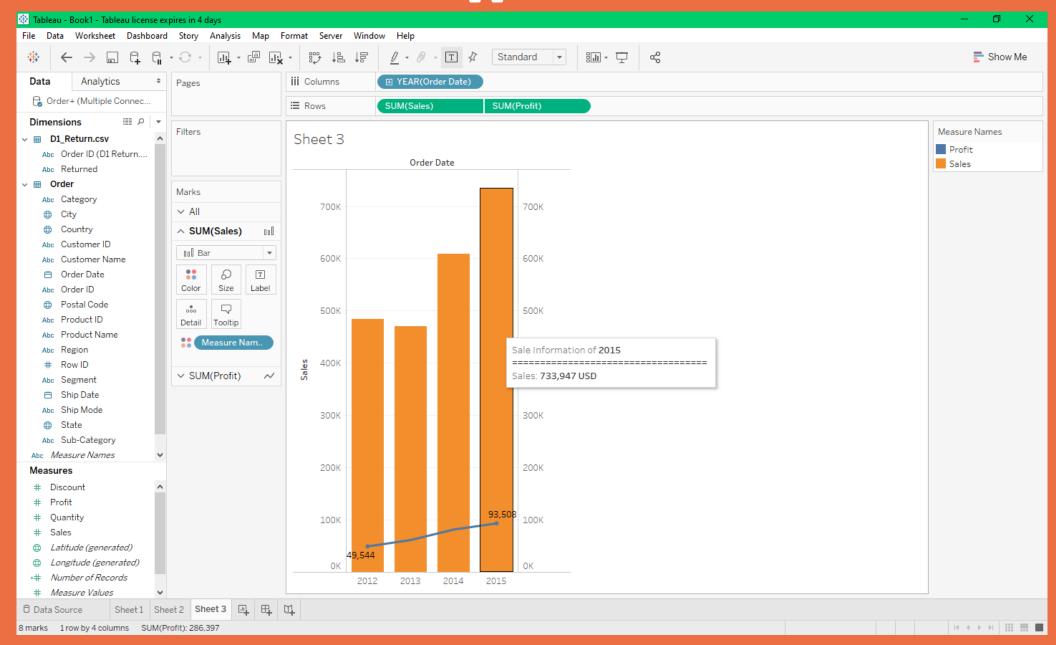


Editing Tooltip





Create Overlapped Chart



EXERCISE

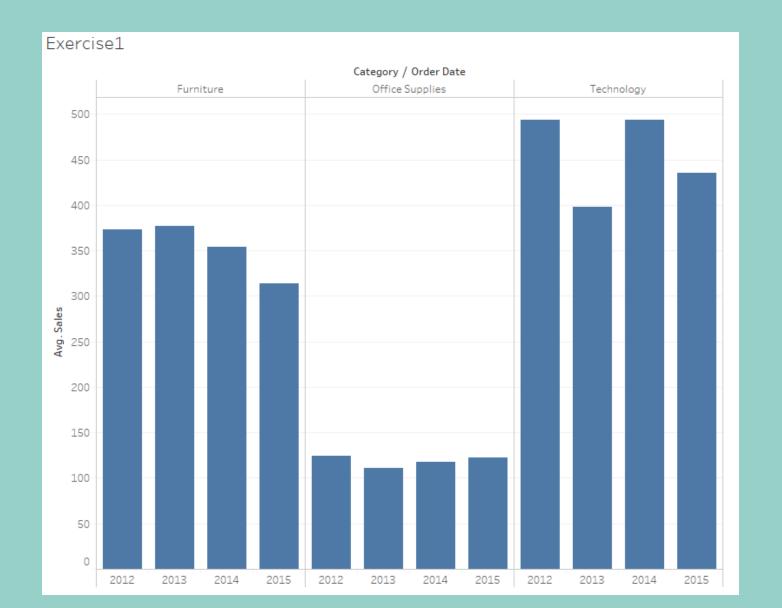


- Change Connection to Live
- Remove a data source filter

Create

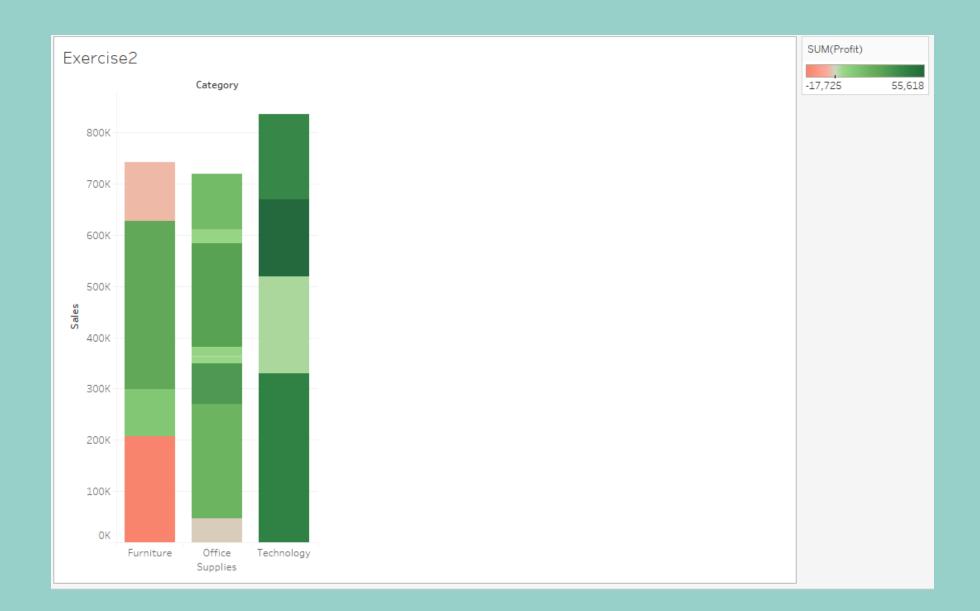
- A side-by-side bar showing the average sales (Sales) of different categories (Category) varying with Year (Order Date)
- A stacked bar showing the Sales vs Category, and
 - Slicing Detail with Sub-Category
 - Showing SUM(Profit) as Red-Green Color
- Which sub-categories are the worst in Profit despite Sales?

Solution



Solution



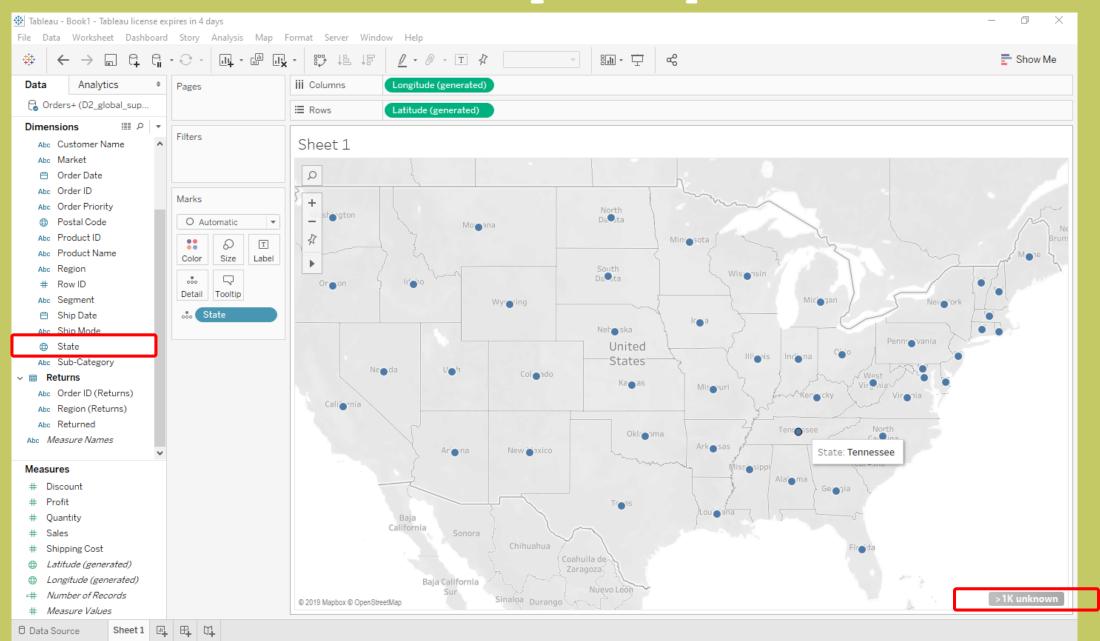


++++++ + a b | e a u



‡‡‡ + a b | e a u

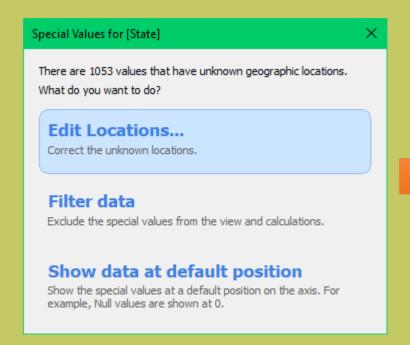
Pie overlay on Map

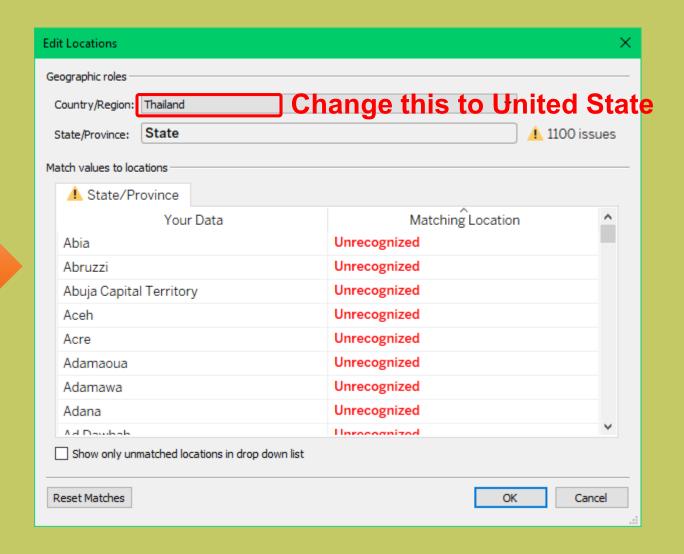


49 marks 1 row by 1 column

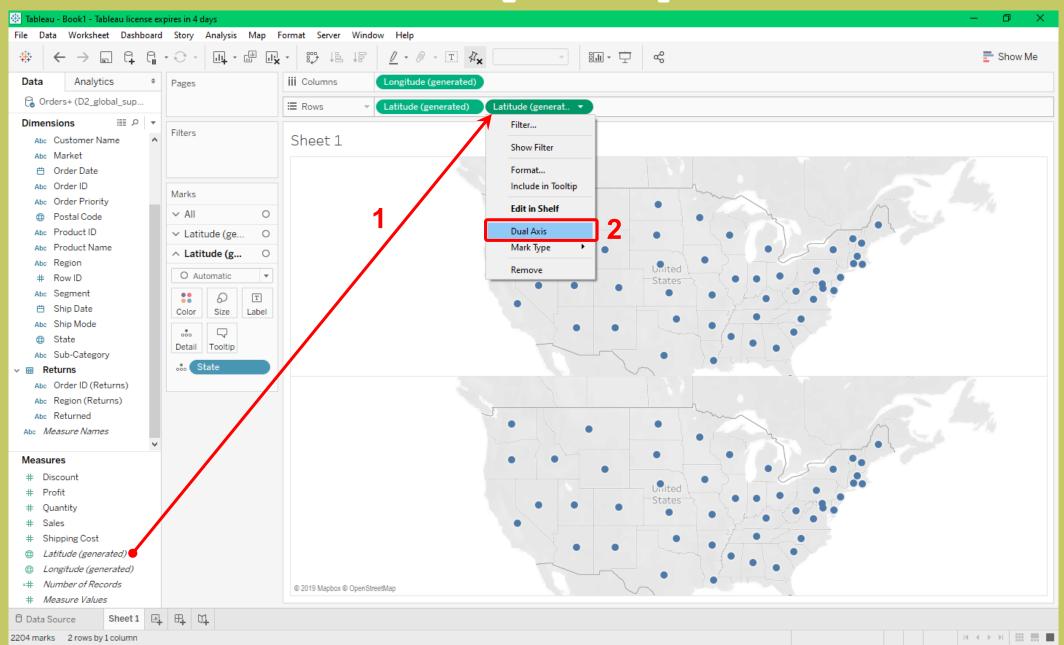
H ← → → H ## ## ■



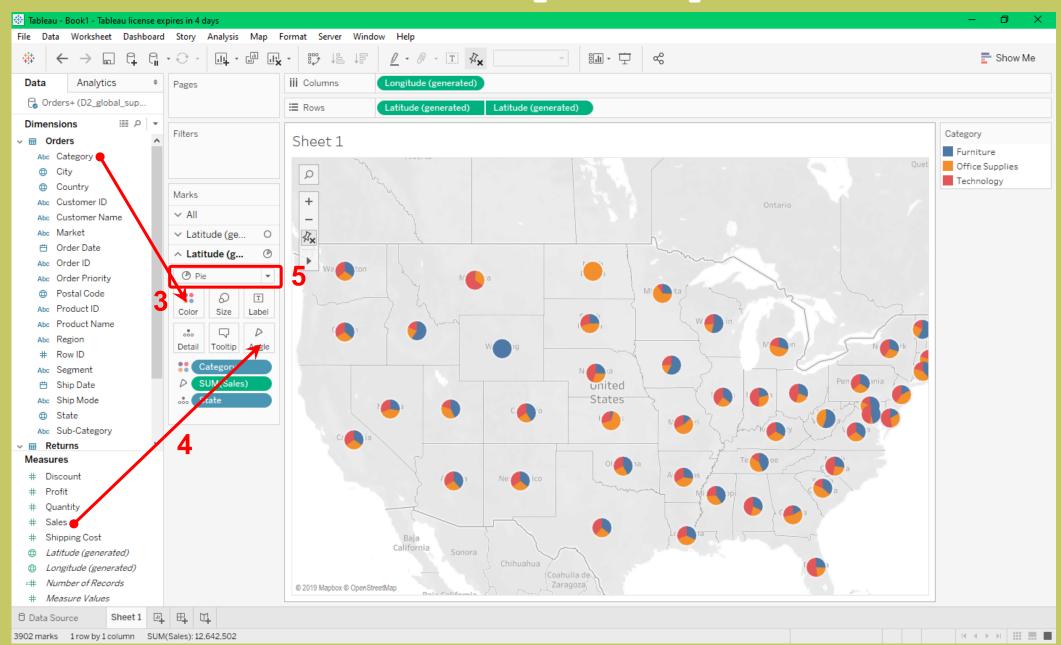






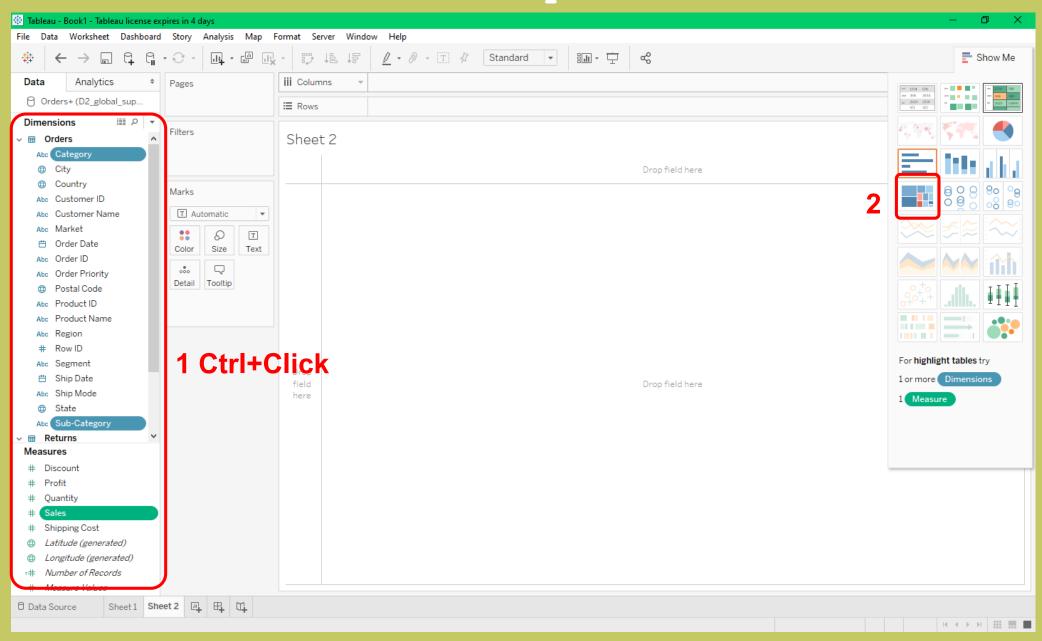






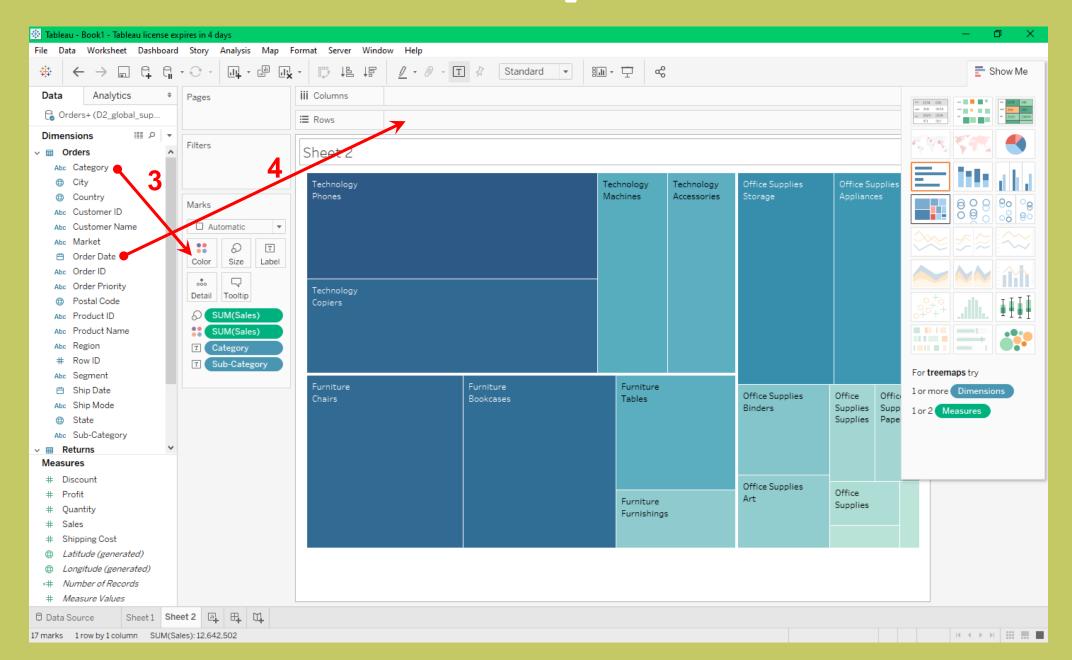


Tree Map

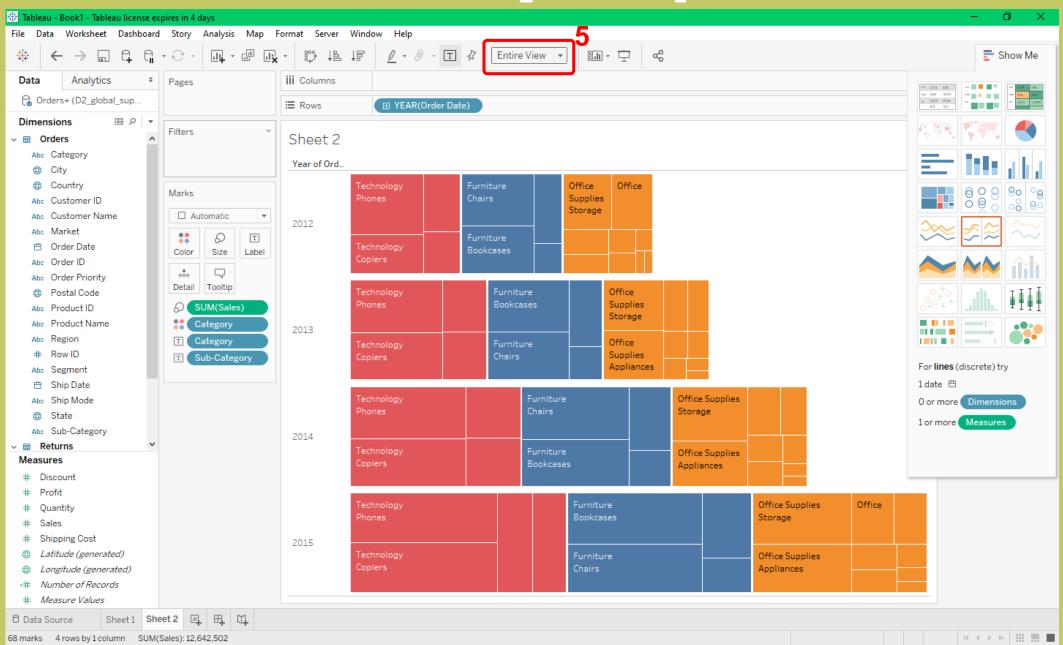


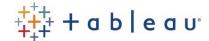


Tree Map











Open file "Dashboard_Action.twb"

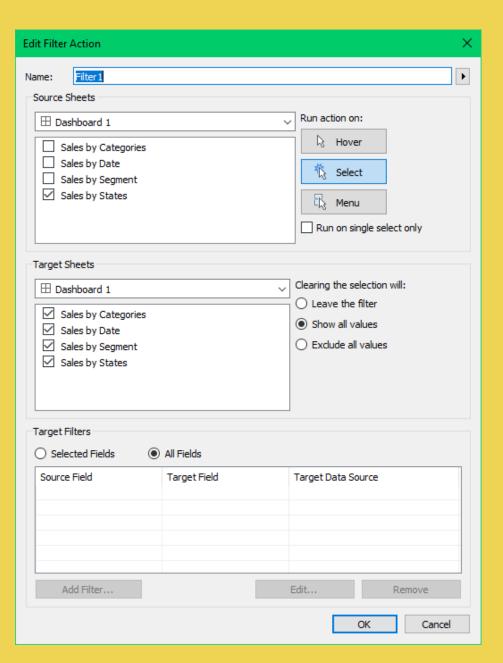


Actions			×	
Actions let you create interactive relationships between data, dashboard objects, other workbook sheets, and the web.				
Name	Run On	Source	Fields	
√ Filter1	Select	Dashboard 1 (Sales by Stat	All	
	Hover	Dashboard 1 (Sales by Cat	All	
# Hyperlink1	Menu	Dashboard 1 (Sales by Stat	State	
Add Action > Edit Remove				
Show actions for all sheets in this workbook OK Cancel				















Edit Highlight Action	×
Name: Highlight1	•
Source Sheets	
⊞ Dashboard 1 ∨	Run action on:
✓ Sales by Categories	₿ Hover
☐ Sales by Date	🏌 Select
Sales by Segment Sales by States	Menu
	प् _{रि} Menu
Target Sheets	
⊞ Dashboard 1 ∨	
Sales by Categories	
☐ Sales by Date ☑ Sales by Segment	
Sales by States	
Target Highlighting	
O Selected Fields Category	
O Dates and Times	
All Fields	
	OK Cancel



