



Dear Student,

Greetings from SmartBridge,

Your team has successfully enrolled for the project. Please find the team details below

Team ID : NM2023TMID06232

Team Size : 4

Team Leader : PAVITHRA C

Team member : Saranya P

Team member : ROKINI R

Team member : SOUNDHARYA M

Regards,
Team SmartBridge




❌ Dynamic Combined Set

A dynamic combined set in Tableau is a set that is created based on the current selection in a visualization. Unlike a static set, which is defined by a fixed set of criteria, a dynamic combined set is created by combining two or more sets based on the current selection in a visualization. This allows for more flexible and interactive analysis in Tableau.

Combined sets

- First create two sets
- Once both sets are created, hold the **CTRL** button and select them both in the **Sets** section of the **Data** pane
- Right-click and select **Combine Sets**.



Smart Internz

Quiz



You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

≡ Working with Metadata and Data blending - 2

Working with metadata and data blending in Tableau can help you create more accurate and meaningful visualizations. Metadata is data about your data, such as field names, descriptions, and data types, while data blending is the process of combining data from multiple sources in a single visualization.



Quiz



You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✕ Sort Hierarchical Bins

Sorting hierarchical bins in Tableau can be useful when you want to sort a field based on a hierarchy of bins. A hierarchy of bins is a way of grouping values into bins or categories based on their values. For example, you might group customers into different age ranges, or group sales data into different revenue ranges.



Quiz



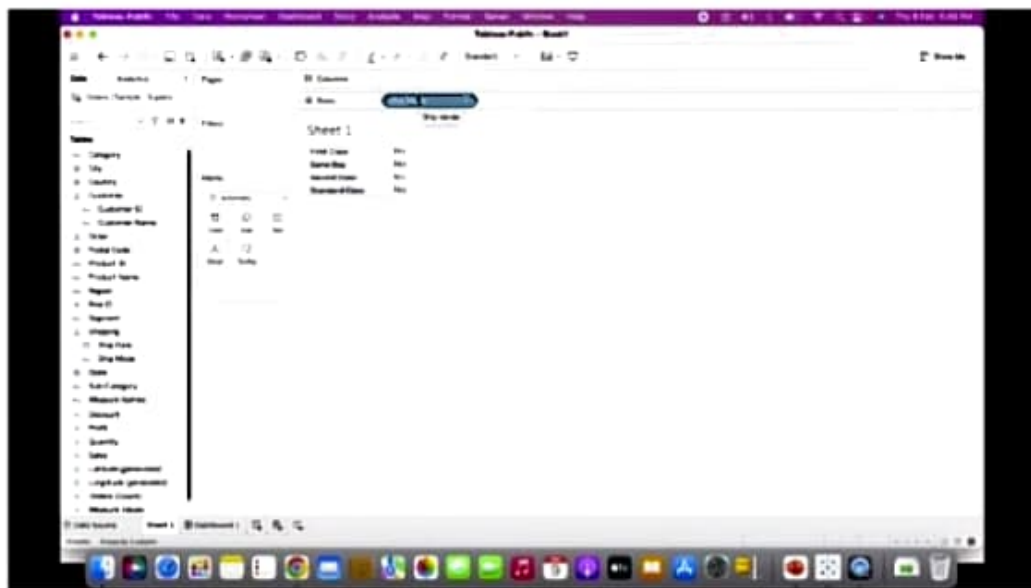
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

≡x Working with Meta data and Data blending - 1

Working with metadata and data blending in Tableau can help you create more accurate and meaningful visualizations. Metadata is data about your data, such as field names, descriptions, and data types, while data blending is the process of combining data from multiple sources in a single visualization.



Quiz



You scored 3 / 3 (100%)

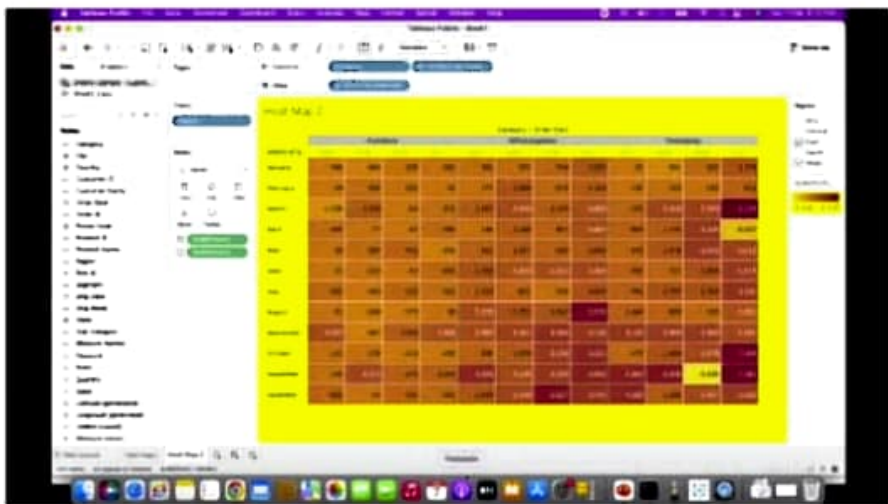
Retake Quiz

Complete and Continue >

✖ Data Visualization 3

Basic types of visualization in tableau

- 1)Bar charts .
- 2)Line charts
- 3)Scatter plots
- 4)Heat maps
- 5)Area charts
- 6)Pie charts
- 7)Tree maps
- 8)Gantt charts
- 9)Box plots
- 10)Maps..



Quiz



You scored 3 / 3 (100%)

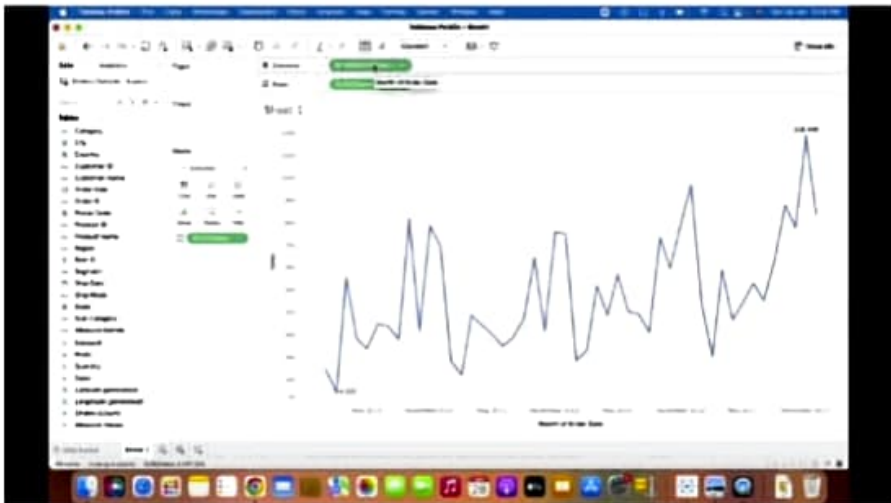
Retake Quiz

Complete and Continue >

✖ Data visualization 1

Basic types of visualization in tableau

- 1)Bar charts .
- 2)Line charts
- 3)Scatter plots
- 4)Heat maps
- 5)Area charts
- 6)Pie charts
- 7)Tree maps
- 8)Gantt charts
- 9)Box plots
- 10)Maps.



Quiz



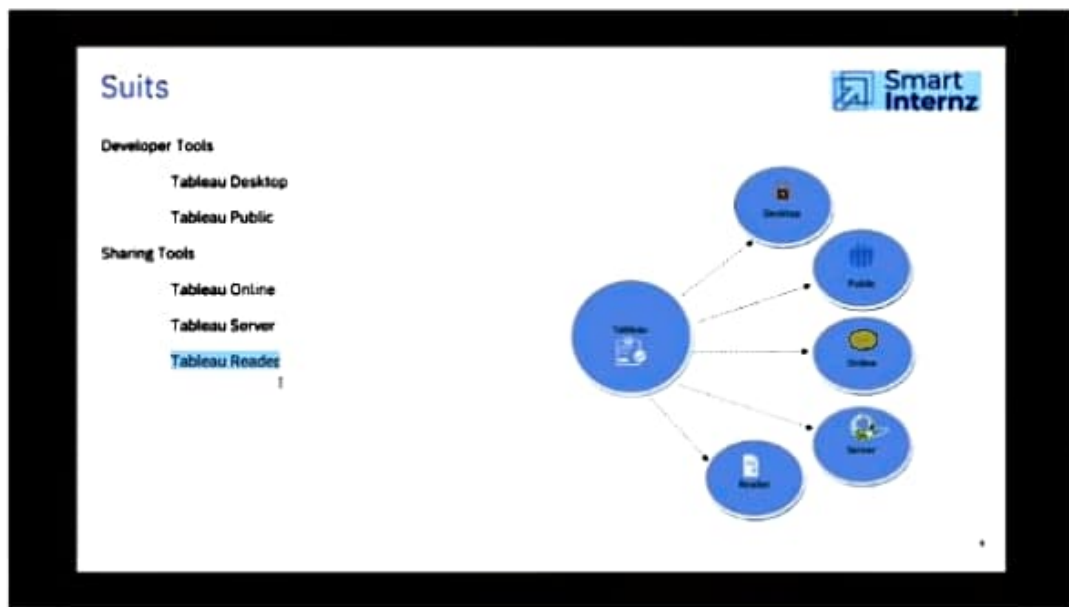
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✂ Introduction to Tableau

Tableau is a visual analytics platform transforming the way we use data to solve problems empowering people and organizations to make the most of their data. It allows for instantaneous insight by transforming data into interactive data visualizations called dashboards



Quiz



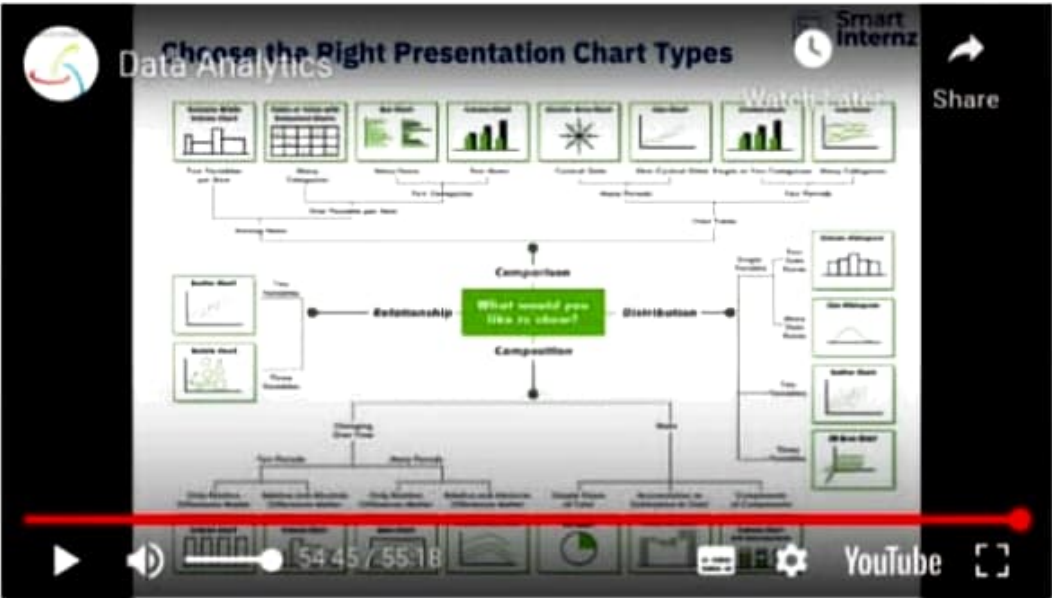
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✖ Data Analytics

Data analytics converts raw data into actionable insights. It includes a range of tools, technologies, and processes used to find trends and solve problems by using data. Data analytics can shape business processes, improve decision-making, and foster business growth.



Quiz



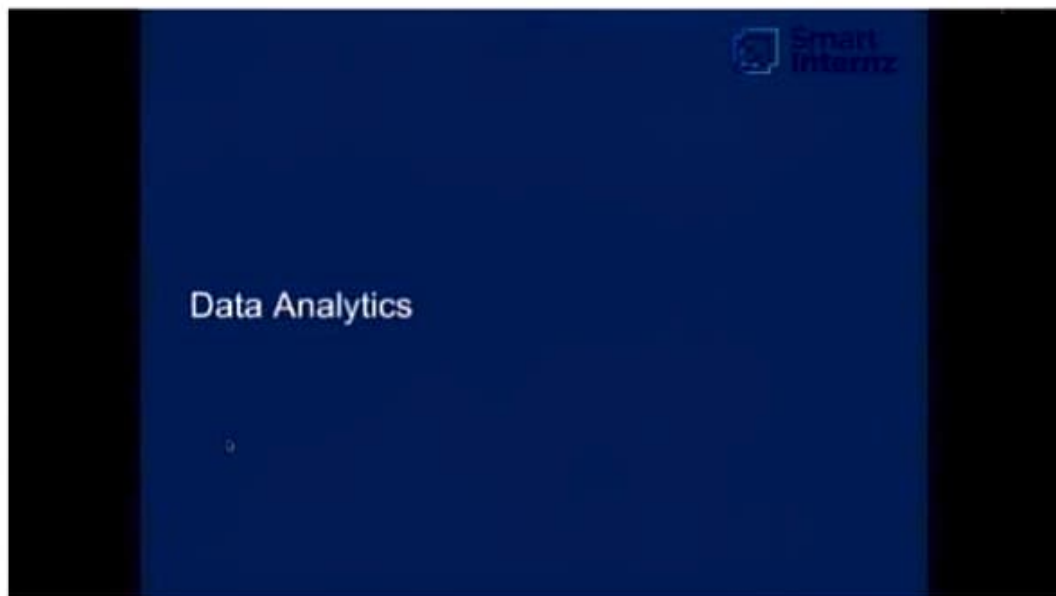
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✕ Introduction To Business Intelligence

It is the science of collecting and processing data, Collecting and refining information from many sources (internal and external). Analyzing and presenting the information in useful ways (dashboards, visualizations)so, that people can make better decisions.



Quiz



You scored 3 / 3 (100%)

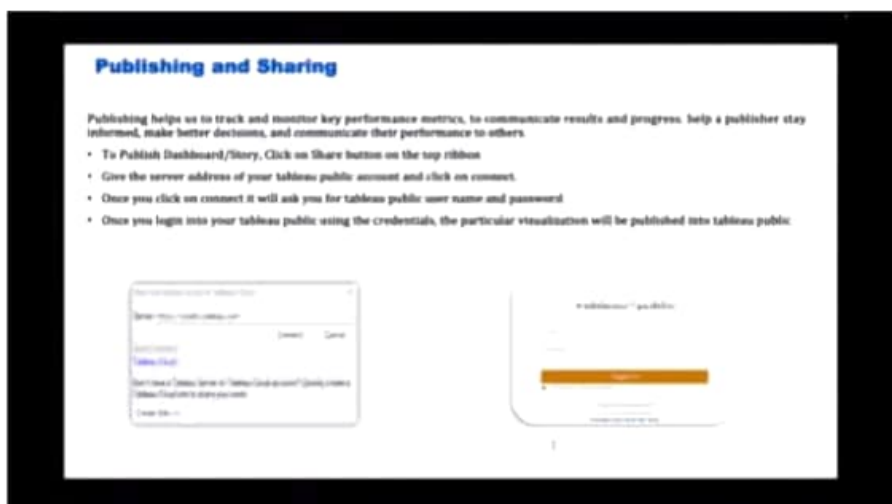
Retake Quiz

Complete and Continue >

✖ Architecture For Tableau

Tableau is a data visualization and business intelligence software that enables users to analyze and present data in a meaningful way. The architecture of Tableau can be divided into four main components:

- 1) Data Sources
- 2) Tableau Desktop
- 3) Tableau Server
- 4) Tableau Online



Quiz



You scored 2 / 2 (100%)

Retake Quiz

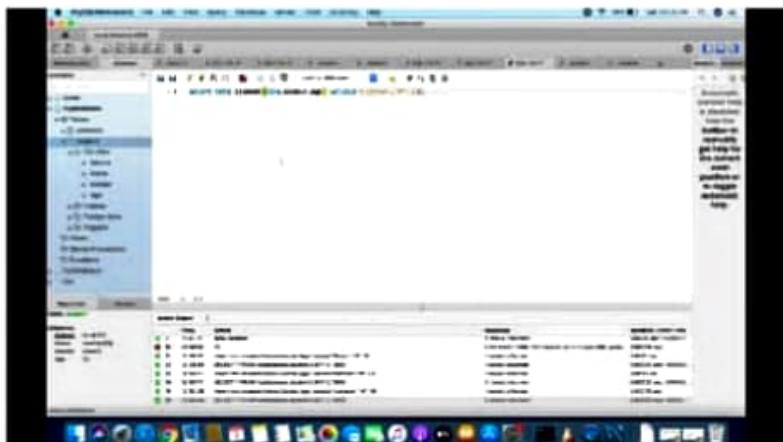
Complete and Continue >

✖ Data Base 1 My SQL Bench

MySQL Bench is a free and open-source visual database design tool that allows users to create, modify, and manage MySQL databases in a user-friendly way.

Some of the key features of MySQL Bench include:

- 1) Visual database design
- 2) Visual database design
- 3) Visual database design
- 4) Database administration
- 5) Performance monitoring
- 6) Cross-platform compatibility



Quiz



You scored 3 / 3 (100%)

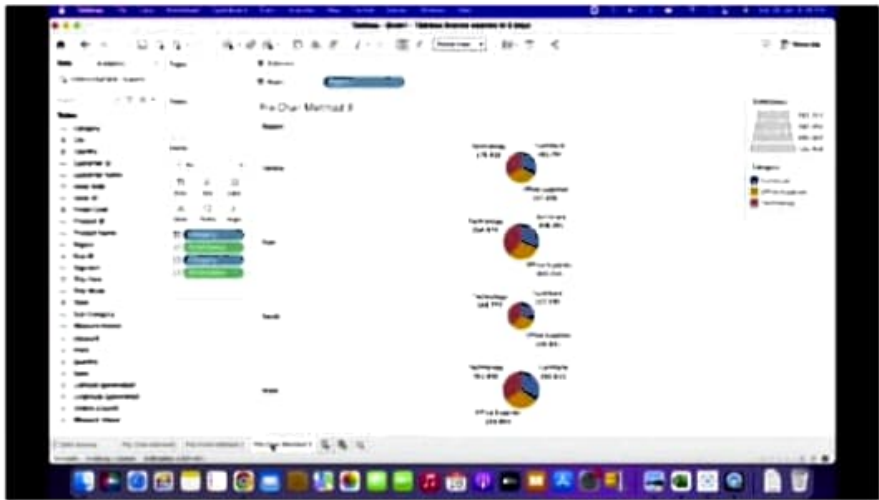
Retake Quiz

Complete and Continue >

✕ Data Visualization 2

Basic types of visualization in tableau

- 1) Bar charts .
- 2) Line charts
- 3) Scatter plots
- 4) Heat maps
- 5) Area charts
- 6) Pie charts
- 7) Tree maps
- 8) Gantt charts
- 9) Box plots
- 10) Maps.



Quiz



You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

≡ Advance Data Manipulations

Tableau is a powerful data visualization tool that also offers advanced data manipulation capabilities. Here are some examples of advanced data manipulations that can be performed in Tableau:

Pivot data

Split data

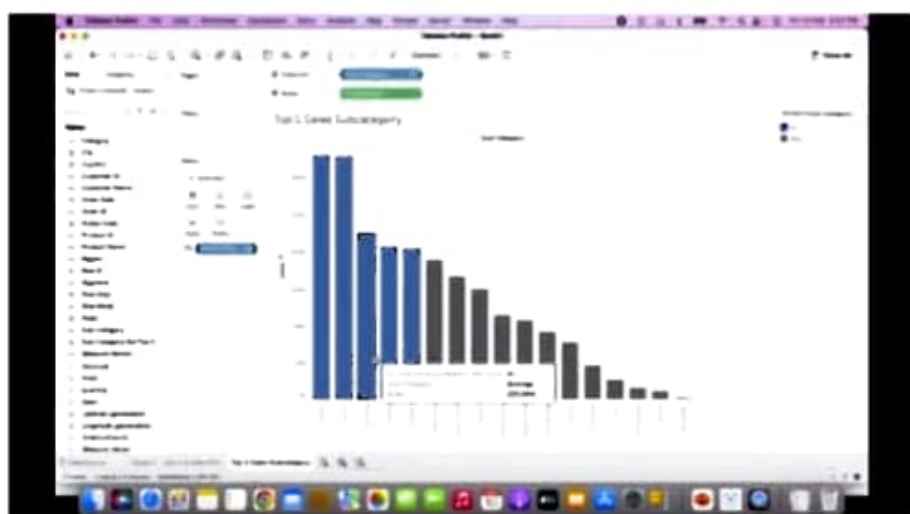
Create calculated fields

Blend data

Apply filters

Group data

Use parameters



Quiz

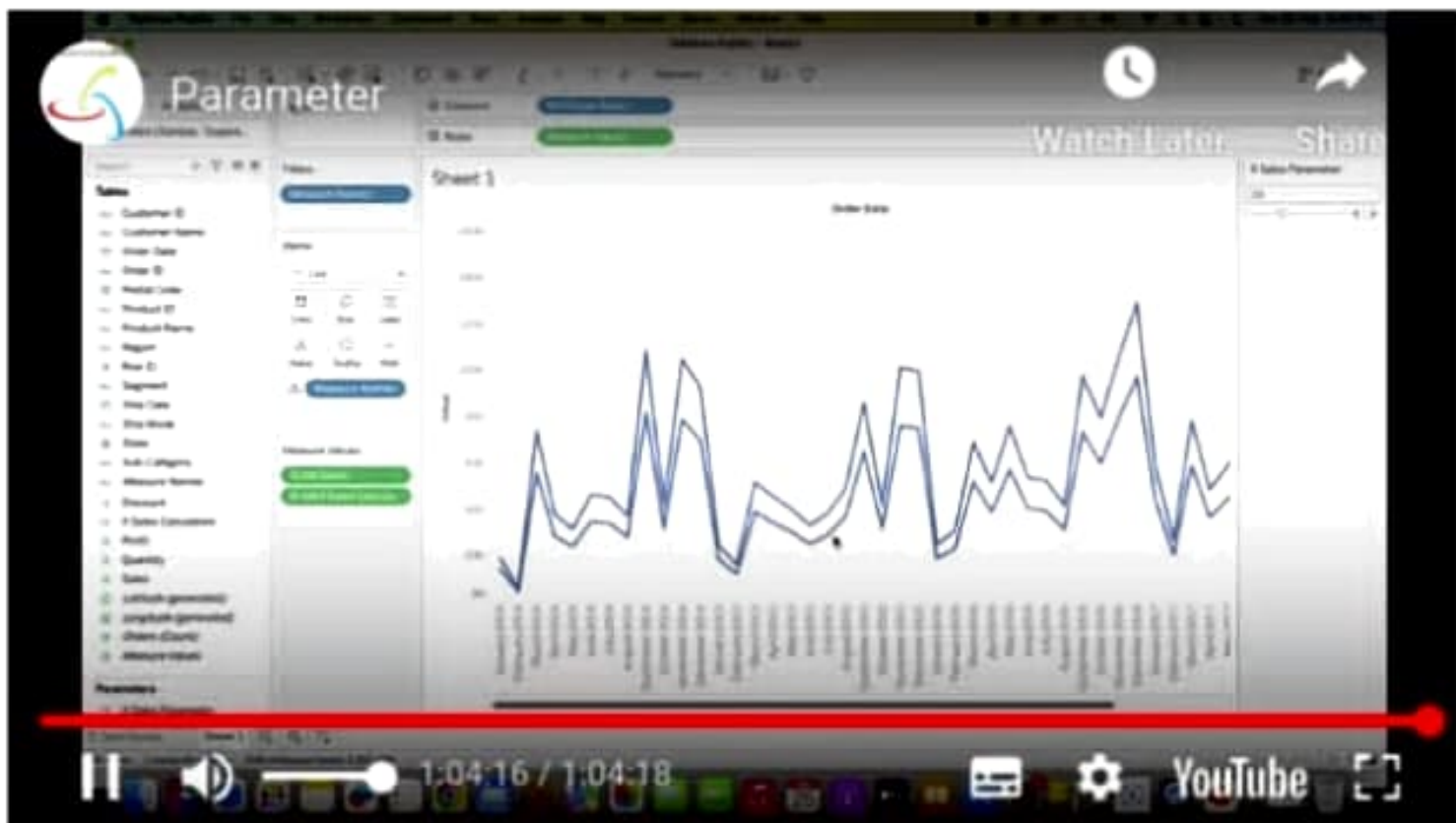


You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

<> Parameter

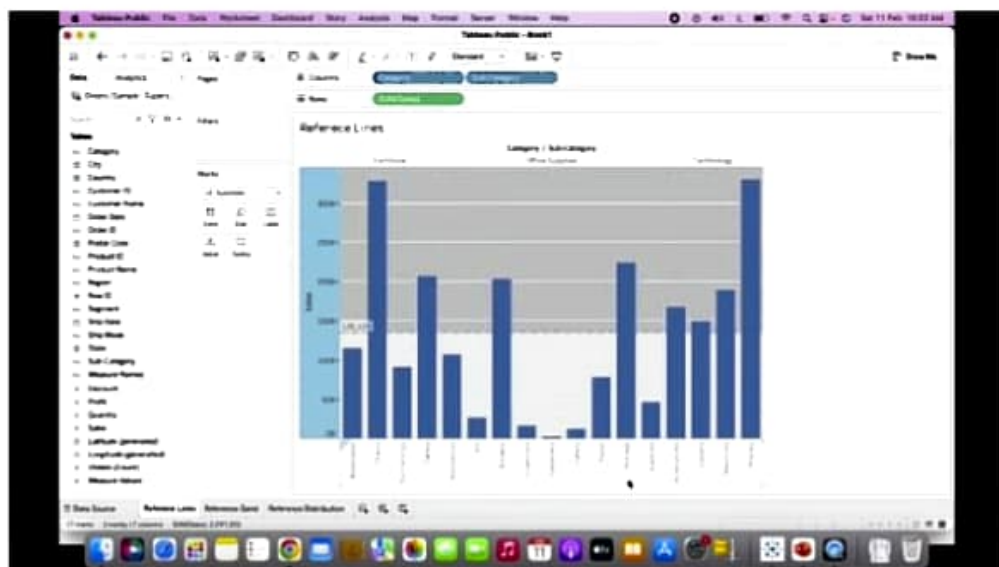


Complete and Continue >

≡ Filtering

Filtering in Tableau is a powerful feature that allows you to refine and focus your data by selecting specific criteria. different types of filters in tableau are

- 1) Basic Filters
- 2) Advanced Filters
- 3)Context Filters
- 4) Table Calculations Filters



Quiz



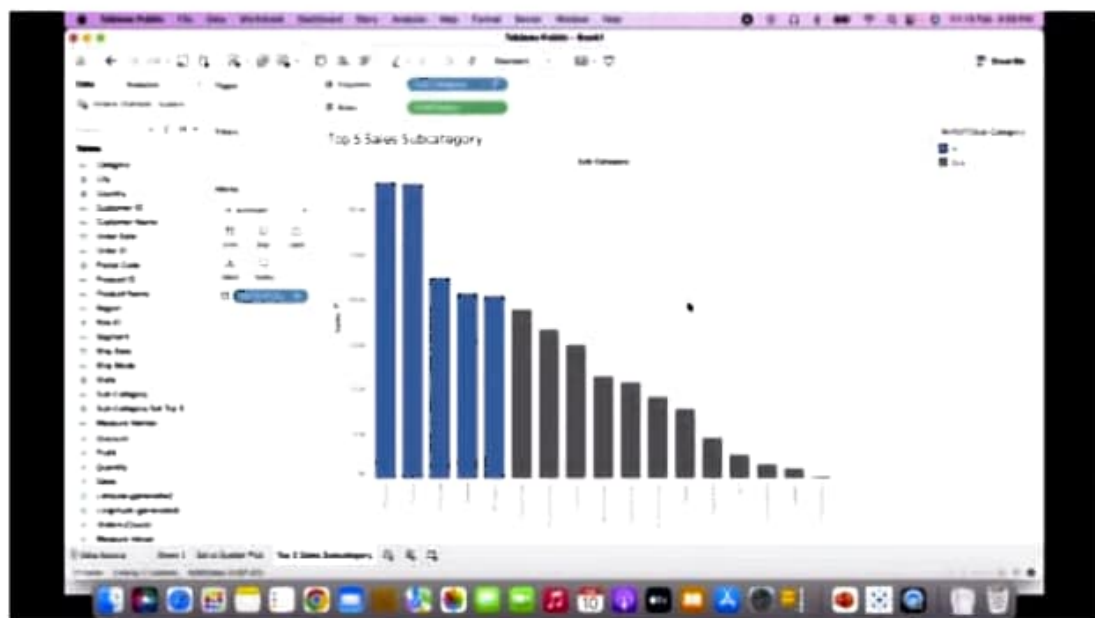
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✂ Format Axis And Annotations - 1

Formatting axes and annotations in Tableau is an important step in creating clear and effective visualizations. Axes provide context for your data, while annotations help to explain the significance of specific data points or trends



Quiz



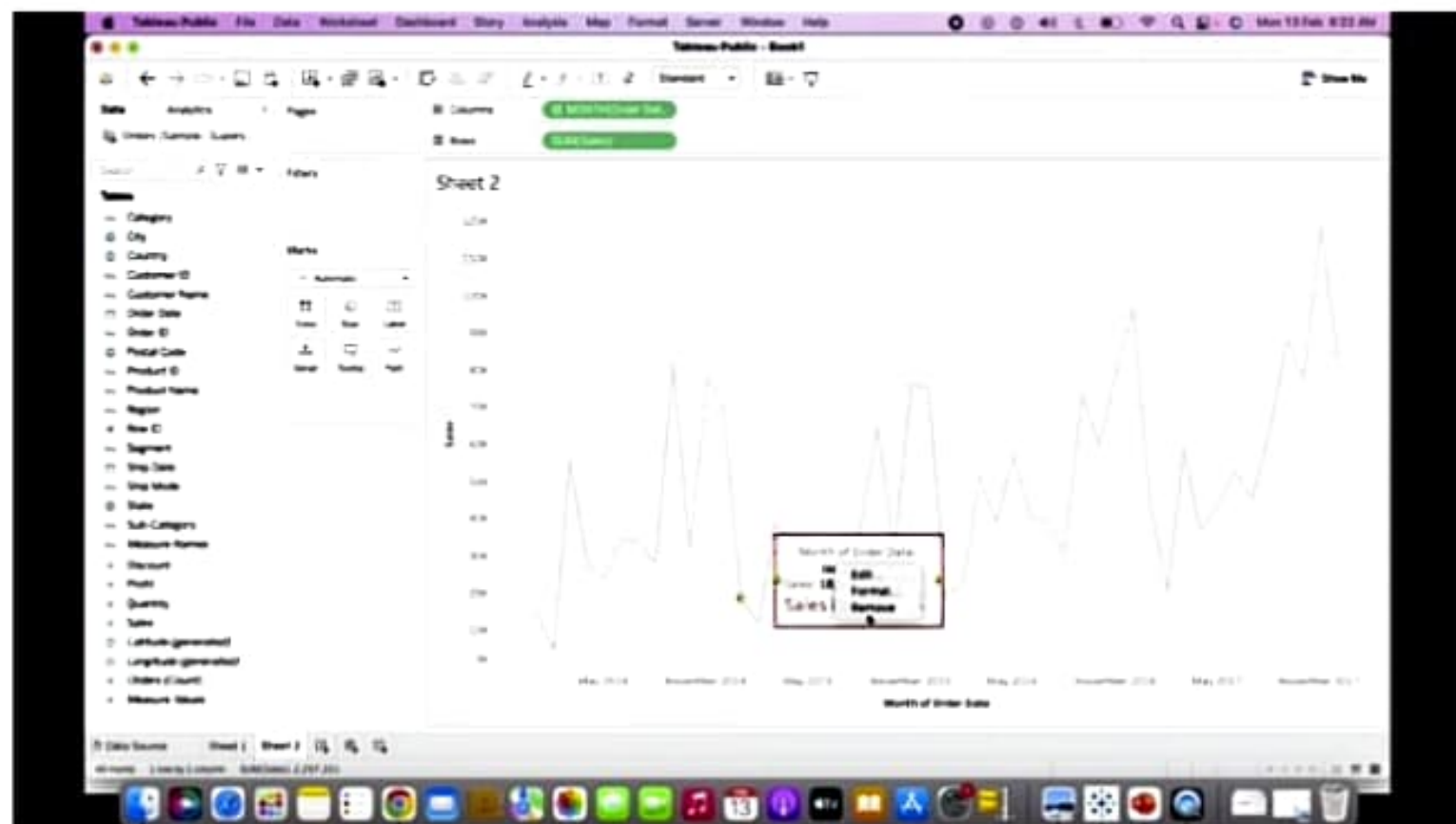
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

≡ Format Axis And Annotations - 2

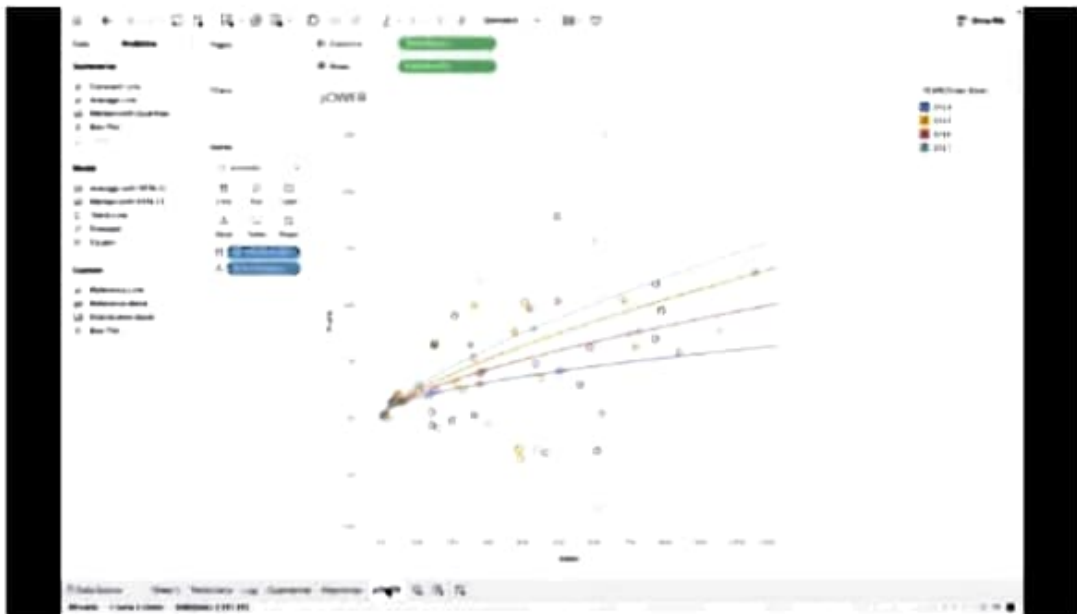
Formatting axes and annotations in Tableau is an important step in creating clear and effective visualizations. Axes provide context for your data, while annotations help to explain the significance of specific data points or trends



[Complete and Continue >](#)

Forecasting Trend

Forecasting trend in Tableau is a useful feature that allows you to predict future trends in your data. This can be helpful for making business decisions, planning budgets, and anticipating changes in the market.



Quiz



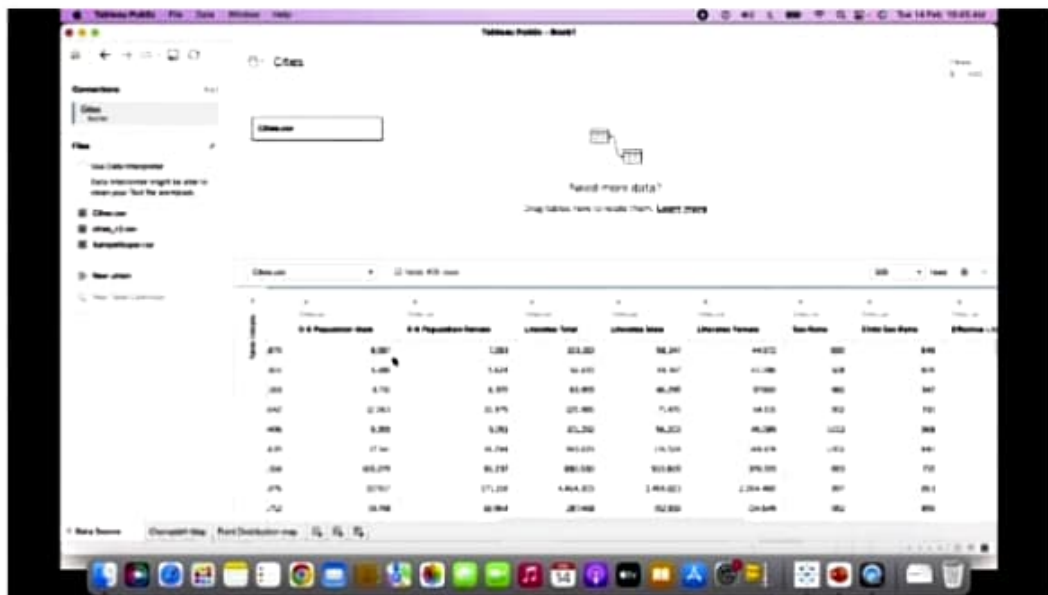
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

⌘ Maps in Tableau

You'll learn how to connect to and join geographic data; format that data in Tableau; create location hierarchies; build and present a basic map view; and apply key mapping features along the way.



Quiz



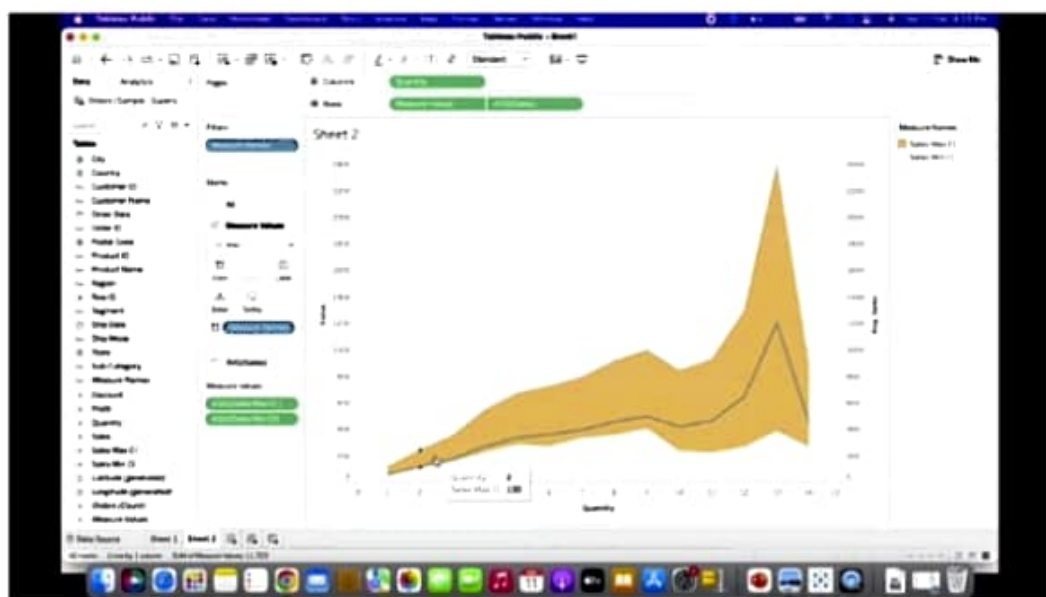
You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

✖ Clustering

Clustering in Tableau is a powerful analytical technique that allows you to group similar data points together based on their similarities. Clustering can be useful for identifying patterns in your data, identifying outliers, and segmenting your data for further analysis.



Quiz

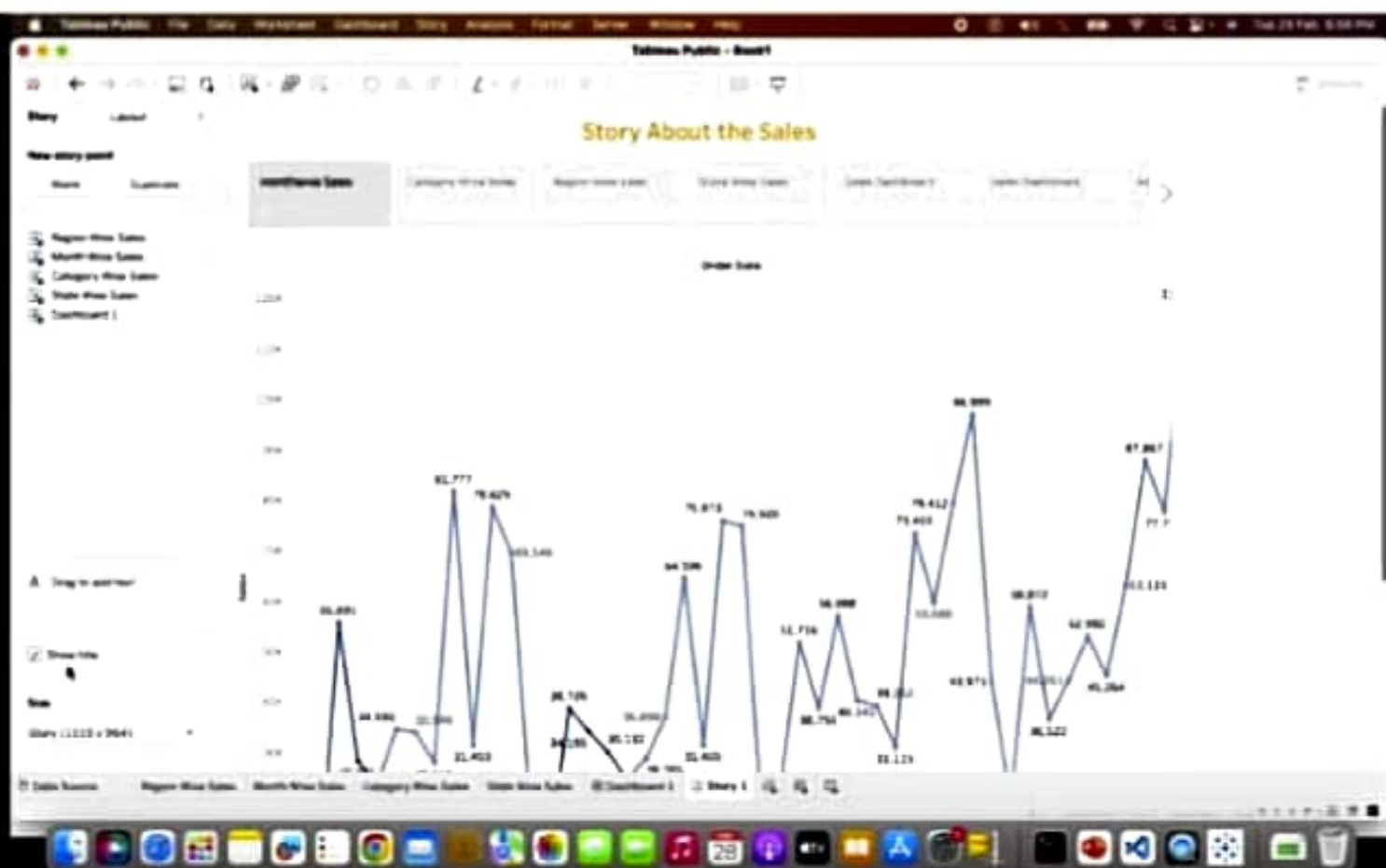


You scored 3 / 3 (100%)

Retake Quiz

Complete and Continue >

> Stories



Complete and Continue >

> Flask

Run the App



- Open anaconda prompt, navigate to the file location
- Type `python app.py` – `app.py` the flask application name.
- Then it will run on `localhost:5000`
- Once you run the application it will navigate to the localhost where you can view your web page.

Complete and Continue >

<> DashBoard



Complete and Continue >

Data Analytics

Sheet1 (Top 100 Bank Li...
Sheet1 (Top 100 Bank Li...

Search

Tables

Country, Bank

Country

Bank

Landmass

Measure Names

Rank

Total Assets Us B

Latitude (generated)

Longitude (generated)

Sheet1 (Count)

Measure Values

Pages

Filters

Bank

Marks

All

Multiple

Color

Size

Label

Detail

Tooltip

Bank

SUM(Total Ass...

SUM(Total Ass...

Columns

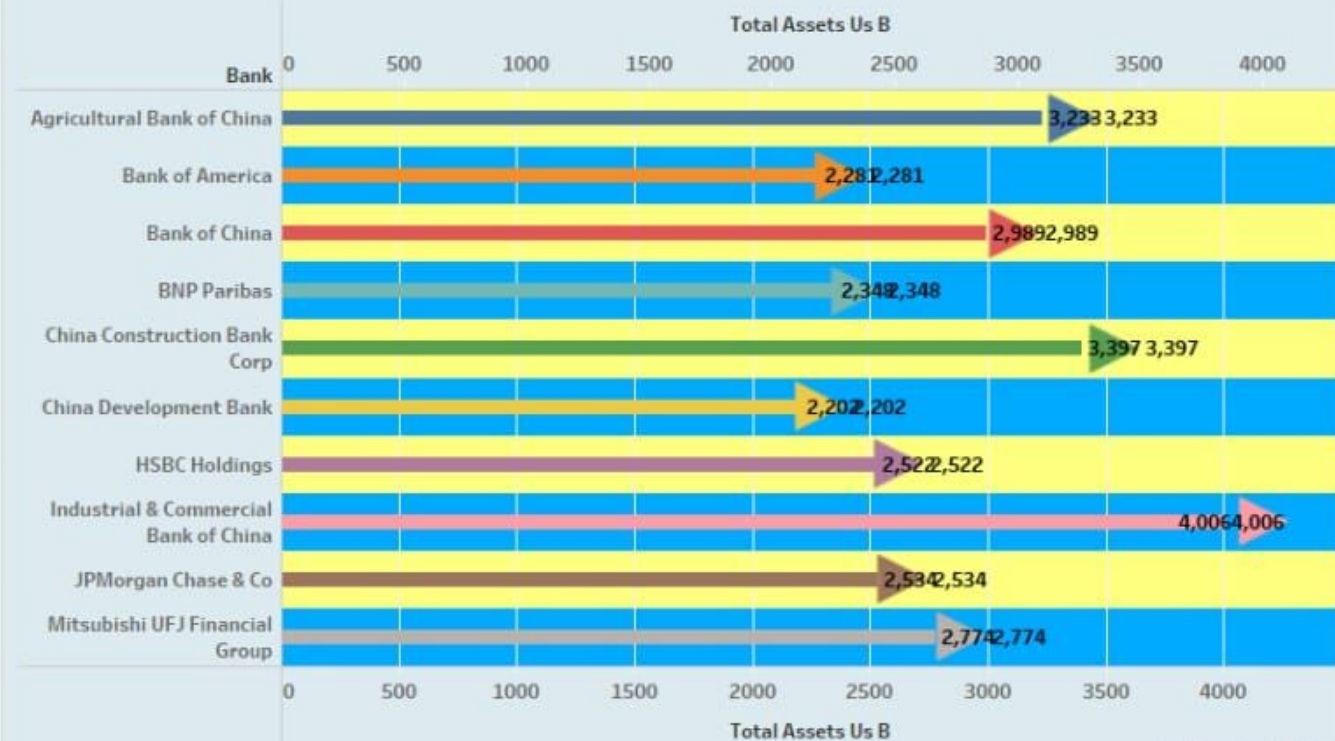
SUM(Total Assets Us..

SUM(Total Assets Us..

Rows

Bank

Sheet 1

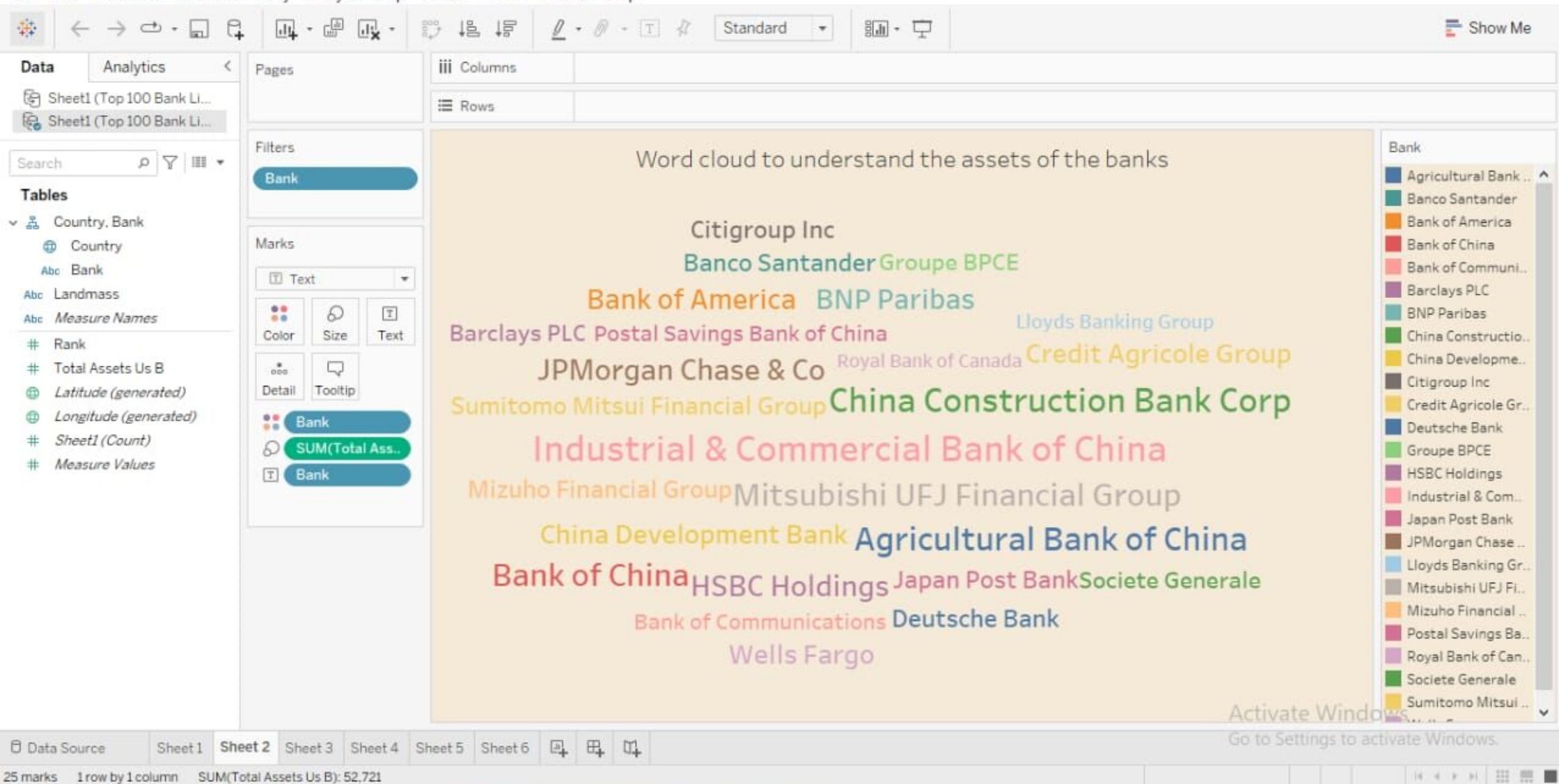


Bank

Agricultural Bank of ..
Bank of America
Bank of China
BNP Paribas
China Construction B..
China Development ..
HSBC Holdings
Industrial & Commer..
JPMorgan Chase & Co
Mitsubishi UFJ Finan..

Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6

20 marks 10 rows by 1 column SUM(Total Assets Us B): 28,285



Data Analytics

Sheet1 (Top 100 Bank Li...
Sheet1 (Top 100 Bank Li...

Search

Tables

Country, Bank

Country

Bank

Landmass

Measure Names

Rank

Total Assets Us B

Latitude (generated)

Longitude (generated)

Sheet1 (Count)

Measure Values

Pages

Filters

Bank

Marks

All

Multiple

Color

Size

Label

Detail

Tooltip

Country

SUM(Total Ass...

SUM(Total Ass...

Columns

Country

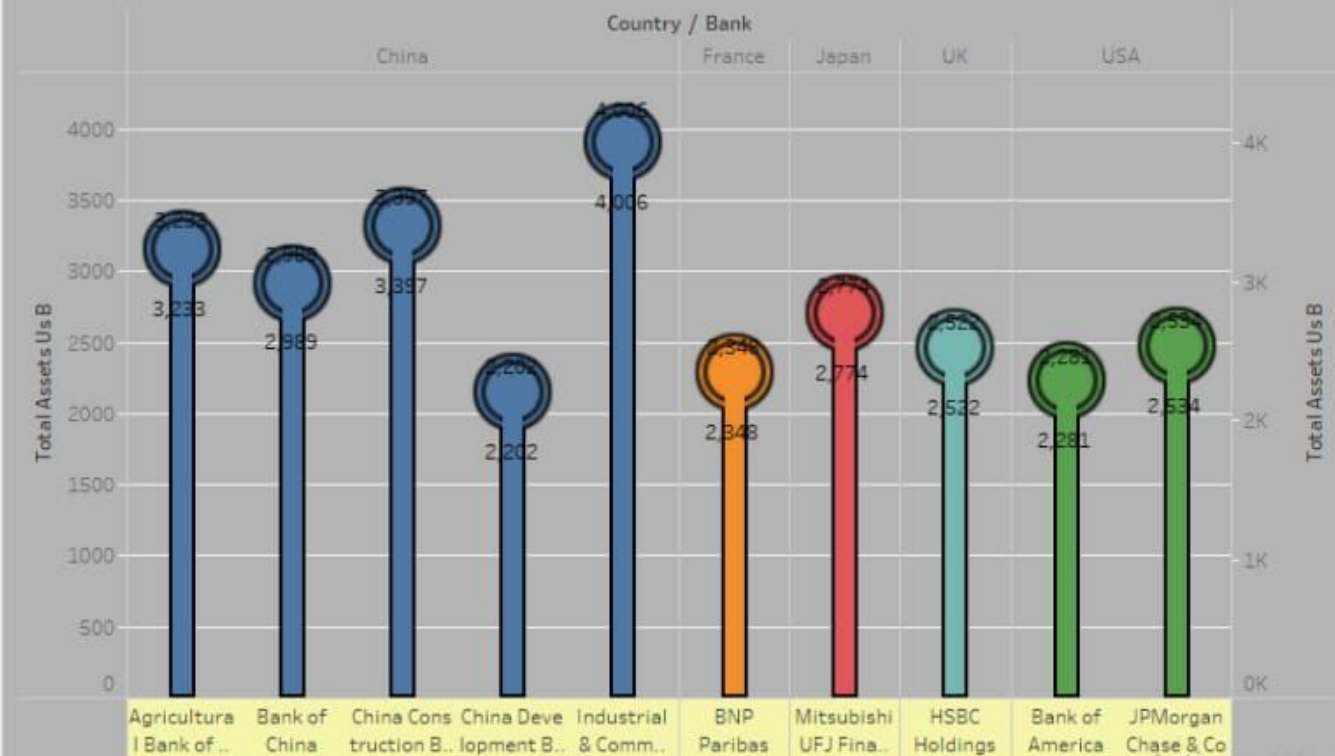
Bank

Rows

SUM(Total Assets Us..

SUM(Total Assets Us..

Sheet 3



Country

China

France

Japan

UK

USA

Data Source Sheet1 Sheet2 Sheet3 Sheet4 Sheet5 Sheet6

20 marks 1 row by 10 columns SUM(Total Assets Us B): 28,285

Type here to search



18:09 29-04-2023

Data Analytics

Sheet1 (Top 100 Bank Li...
Sheet1 (Top 100 Bank Li...

Search

Tables

Country, Bank

Country

Bank

Landmass

Measure Names

Rank

Total Assets Us B

Latitude (generated)

Longitude (generated)

Sheet1 (Count)

Measure Values

Pages

Filters

Marks

All

Pie

Color Size Label

Detail Tooltip Angle

SUM(Total Ass...

SUM(Total Ass...

Multiple fields

AGG(AVG(0.0))

AGG(AVG(0.0))

Columns

AGG(AVG(0.0))

AGG(AVG(0.0))

Rows

Sheet 4



Country

Australia
Belgium
Brazil
Canada
China
Denmark
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
Norway
Russia
Singapore
South Korea
Spain
Sweden
Switzerland
Taiwan
UK

SUM(Total Assets Us B)

95,185

Data Source Sheet1 Sheet2 Sheet3 Sheet 4 Sheet5 Sheet6

24 marks 1 row by 1 column SUM of AGG(AVG(0.0)): 0

Type here to search

18:10
29-04-2023



Entire View

Show Me

Data Analytics

Sheet1 (Top 100 Bank Li...

Sheet1 (Top 100 Bank Li...

Search

Tables

Country, Bank

Country

Bank

Landmass

Measure Names

Rank

Total Assets Us B

Latitude (generated)

Longitude (generated)

Sheet1 (Count)

Measure Values

Pages

Columns

Rows

SUM(Total Assets Us..

Filters

Marks

Automatic

Color Size Label

Detail Tooltip

Country

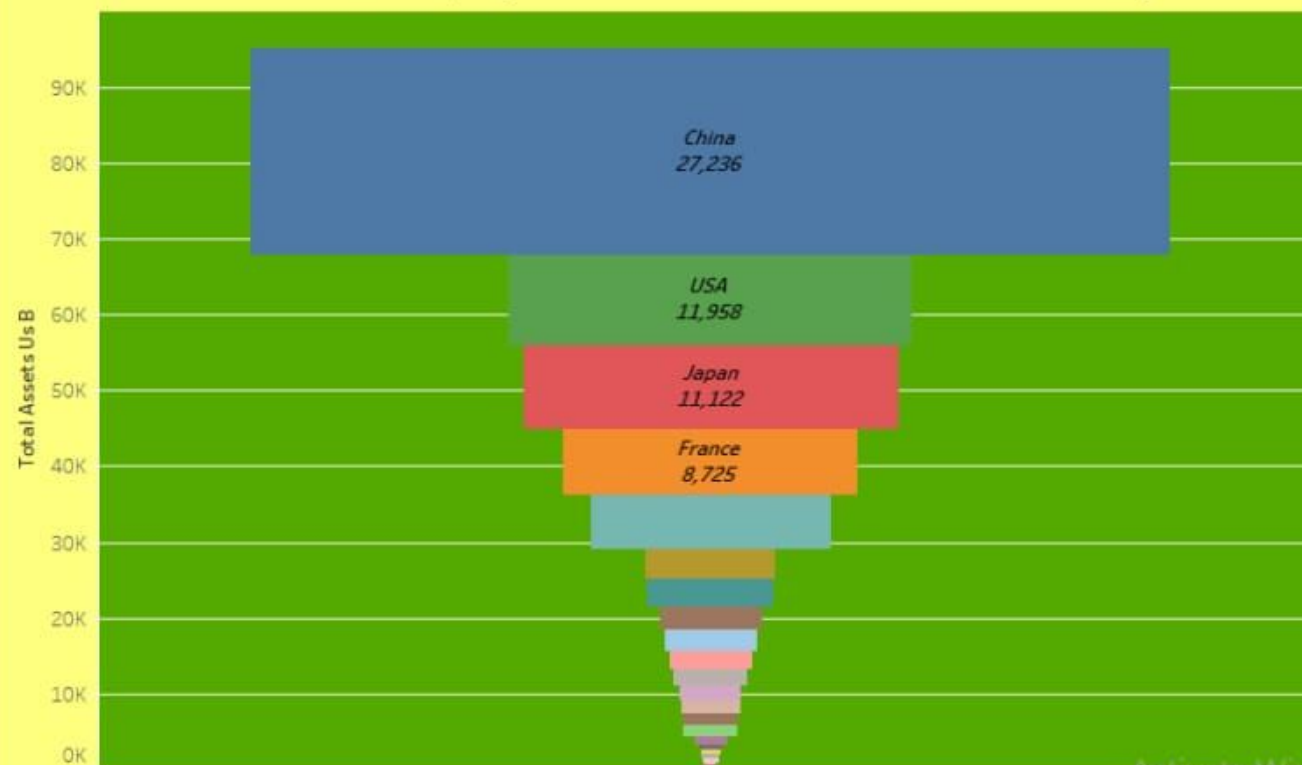
SUM(Total Ass..

Country

SUM(Total Ass..

Country

Funnel chart to display the total assets of the banks in a country



Country

China

USA

Japan

France

UK

Canada

Germany

Spain

Australia

Italy

Netherlands

South Korea

Switzerland

Sweden

Brazil

Singapore

Singapore

SUM(Total Assets Us B)

294

5,000

10,000

15,000

20,000

27,236

Data Source

Sheet1

Sheet2

Sheet3

Sheet4

Sheet5

Sheet6

23 marks 1 row by 1 column SUM(Total Assets Us B): 95,185

Type here to search



18:14

29-04-2023

Data Analytics

Sheet1 (Top 100 Bank Li...
Sheet1 (Top 100 Bank Li...

Search

Tables

Balance Sheet
Bank
Country
Landmass
Measure Names
Rank
Total Assets Us B
Latitude (generated)
Longitude (generated)
Sheet1 (Count)
Measure Values

Pages

Filters

Country

Marks

Automatic
Color Size Label
Detail Tooltip
Country

Columns

YEAR(Balance Sh.. QUARTER(Balanc.. MONTH(Balance .. SUM(Total Assets Us..

Rows

Country

Sheet 6



Country

(All)

Country

Australia
Belgium
Brazil
Canada
China
Denmark
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
Norway
Russia
Singapore
South Korea
Spain
Sweden
Switzerland
Taiwan

Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6

32 marks 23 rows by 4 columns SUM(Total Assets Us B): 95,185