Project Objectives

By the end of this project you will:

- Know fundamental concepts and can work on IBM Cognos Analytics.
- Gain a broad understanding of plotting different graphs.
- Able to create meaningful dashboard

Project Flow

- Users create multiple analysis graphs/charts.
- Using the analyzed chart creation of a Dashboard is done.
- Saving and Visualizing the final dashboard in the IBM Cognos Analytics.

To accomplish this, we have to complete all the activities and tasks listed below

- Working with the Dataset
    - Understand the Dataset
    - Build a Data Module in Cognos Analytics.

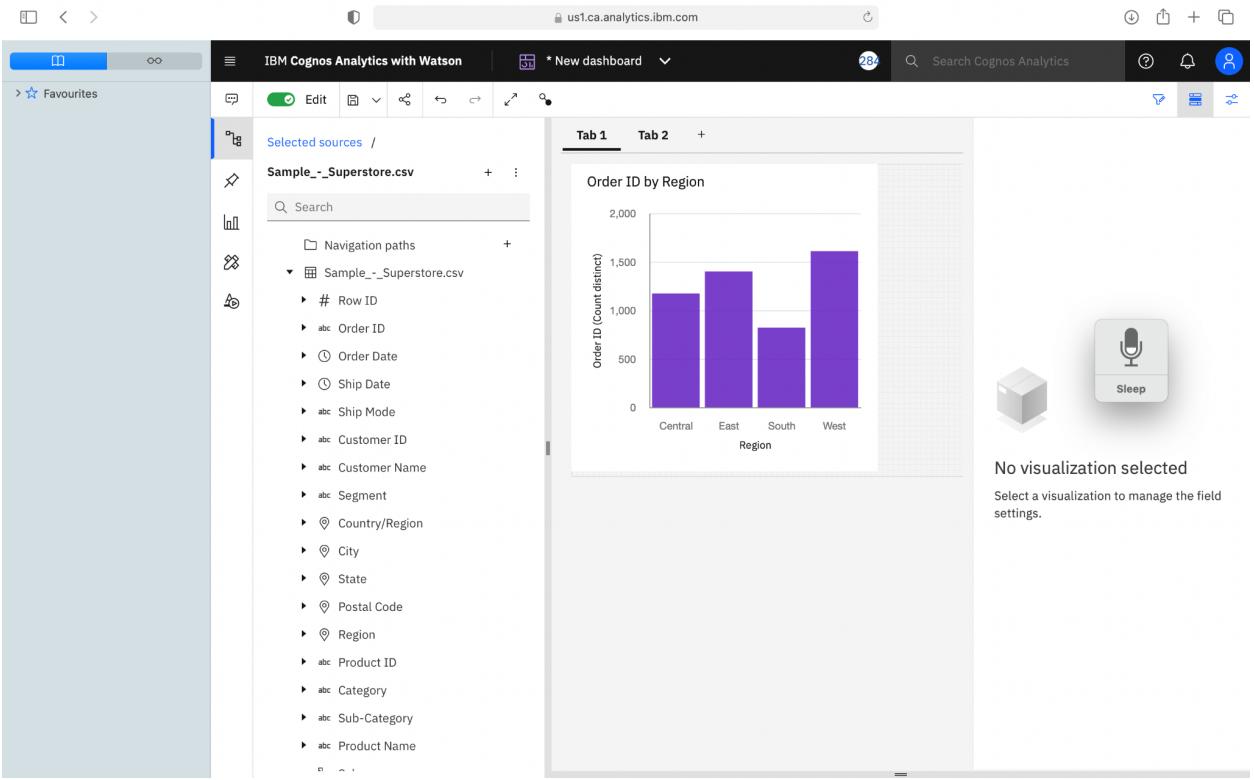
link-

https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FNew%2Bdashboard&action=view&mode=dashboard&subView=model0000017eaf58f56e_00000000

Visualisation of data sets

Region That Accounts For Greater Number Of Orders

For the following visualization, we'll be using the **Region** and**Order_Id**. We will using Column Chart for Visualization.

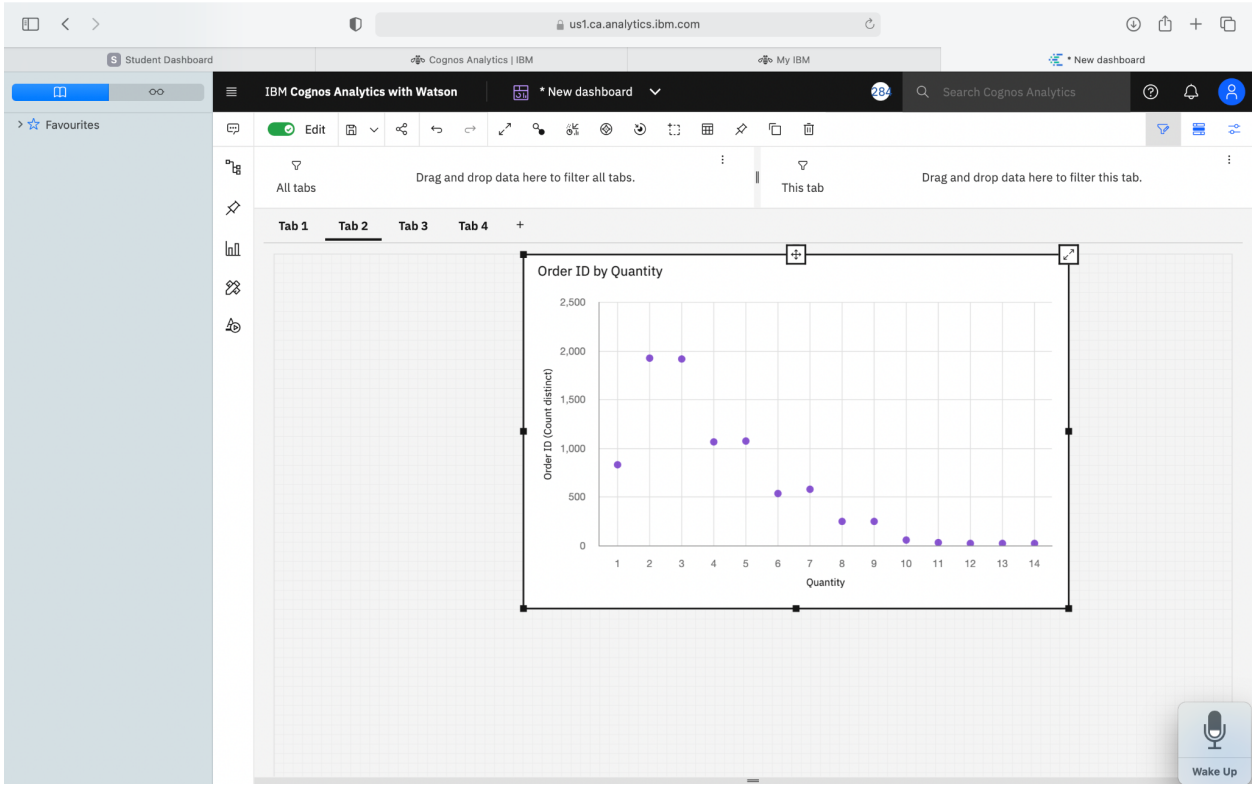


Frequency Distribution Of Quantity Ordered

For visualizing the **Frequency distribution of quantity ordered**, we will require the following data:

- Quantity
- Order_Id

Using this data, we will be plotting a Point plot type of visualization.

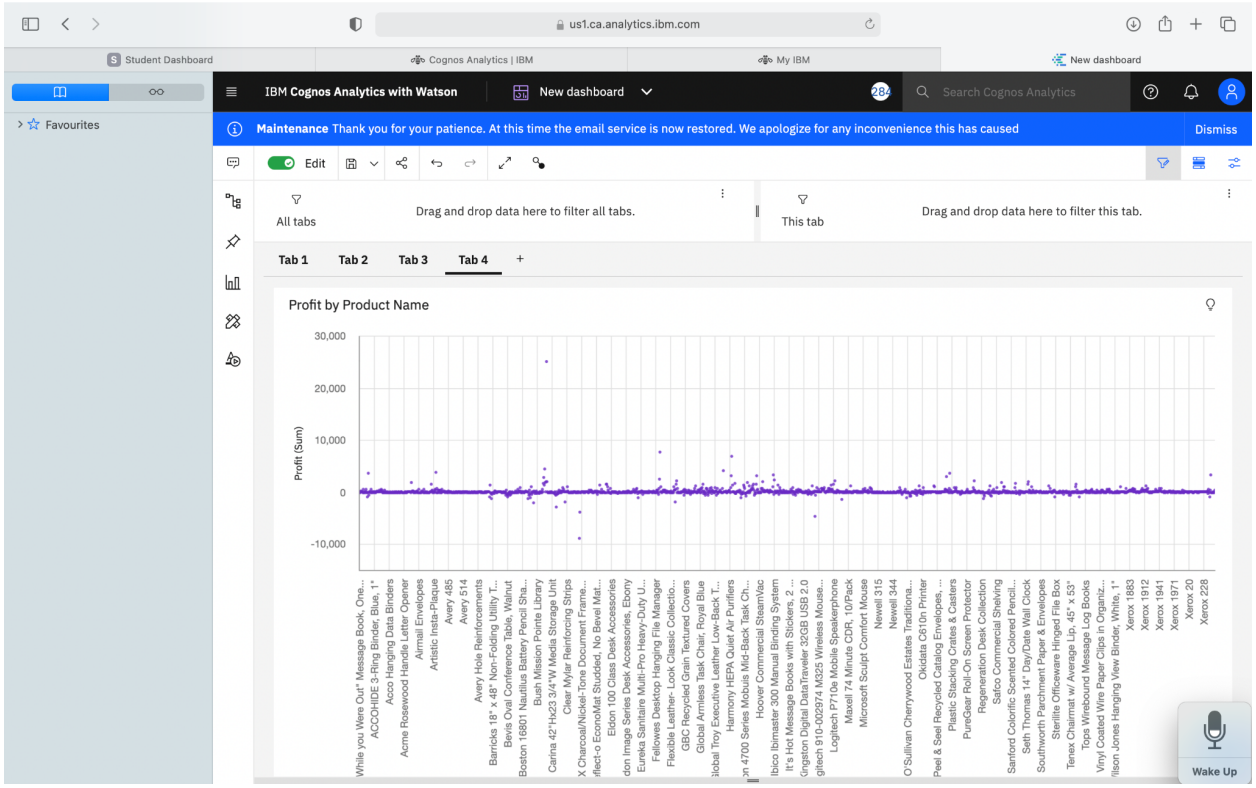


Profitable Products Or Their Sub Products In Last Few Years

For visualizing the **Profitable products or their sub-products in the last few years,** we will require the following data:

- Product Name
- Profit
- Year (Calculated field)

For the following visualization, we'll be using Point Plot.

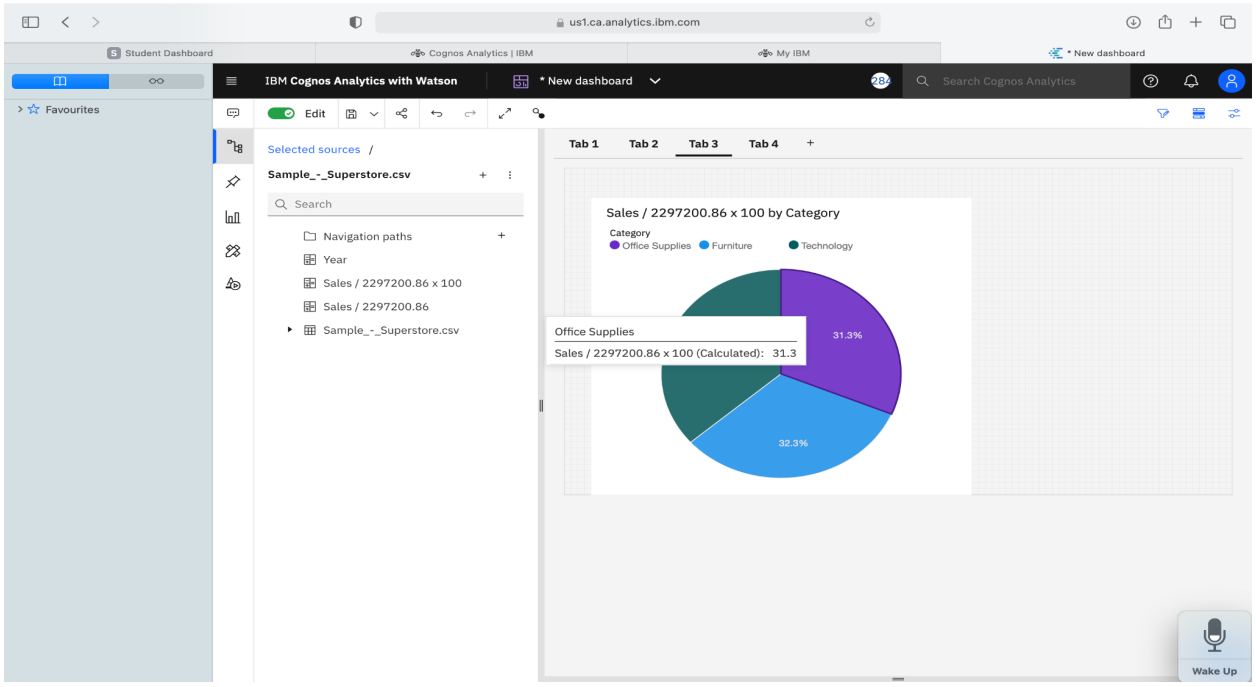


Percentage Sales By Different Product Categories

For visualizing the **Percentage sales by different product categories**, we will require the following data:

- Category
- Calculated Sales percentage field

For the following visualization, we'll be using Pie chart.

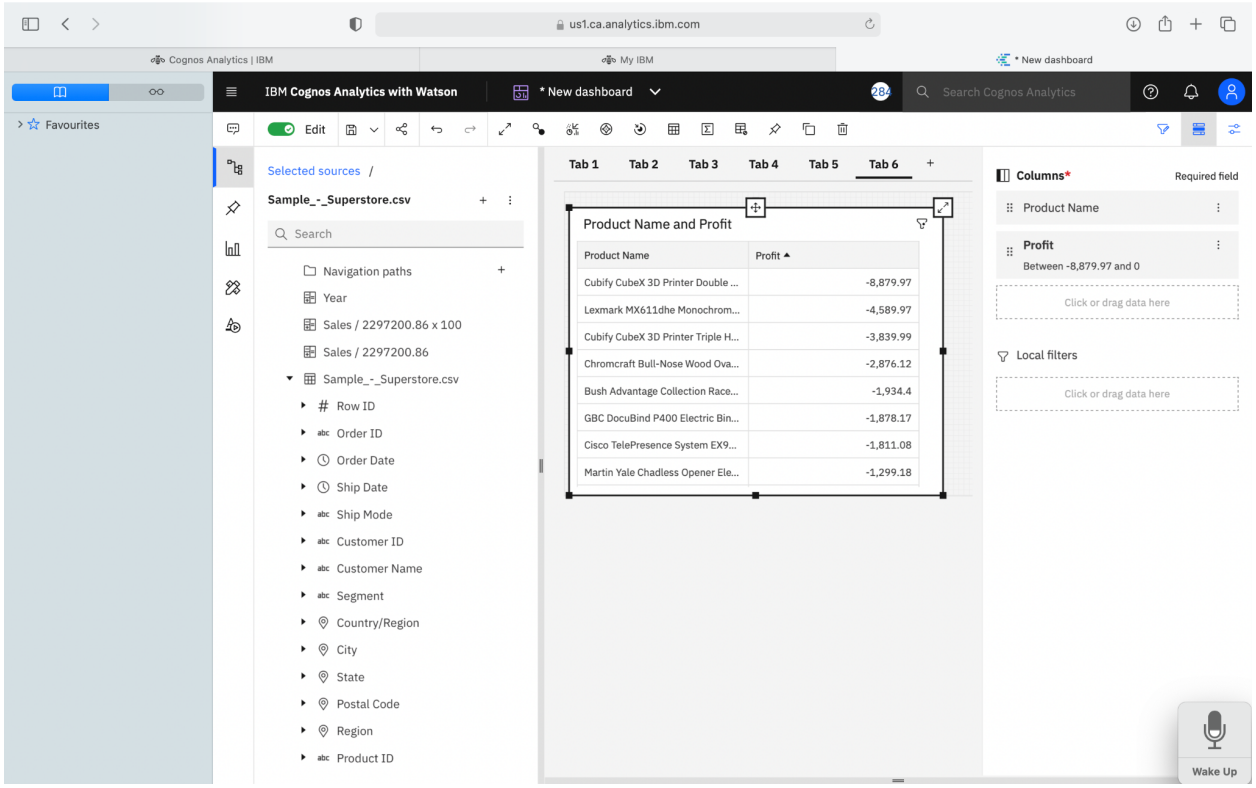


Products That Incurred Losses

For visualizing the **Products that incurred losses,** we will require the following data:

- Product Name
- Profit

For the following visualization, we'll be using Table.

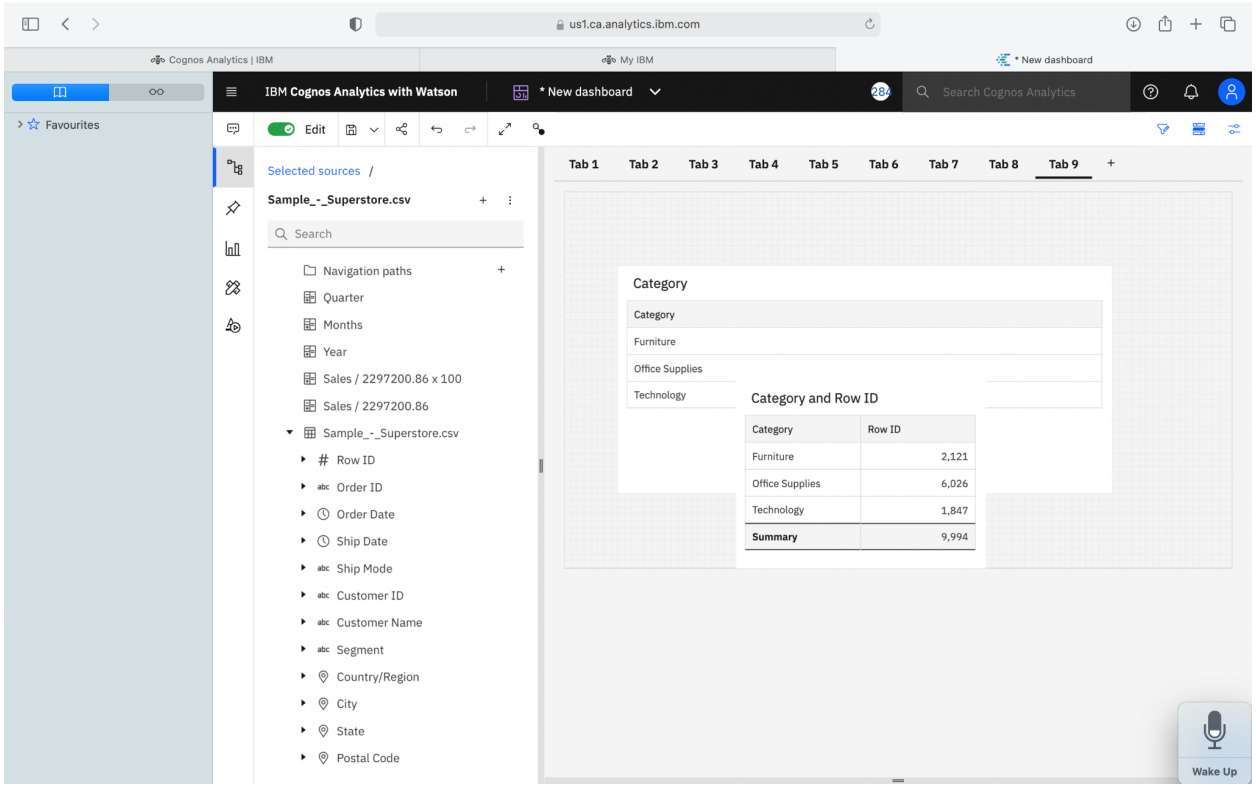


Product That Was Ordered Greater Times

For visualizing the **Product type that was ordered greater times,** we will require the following data:

- Category
- Row ID

For the following visualization, we'll be using Table Plot.

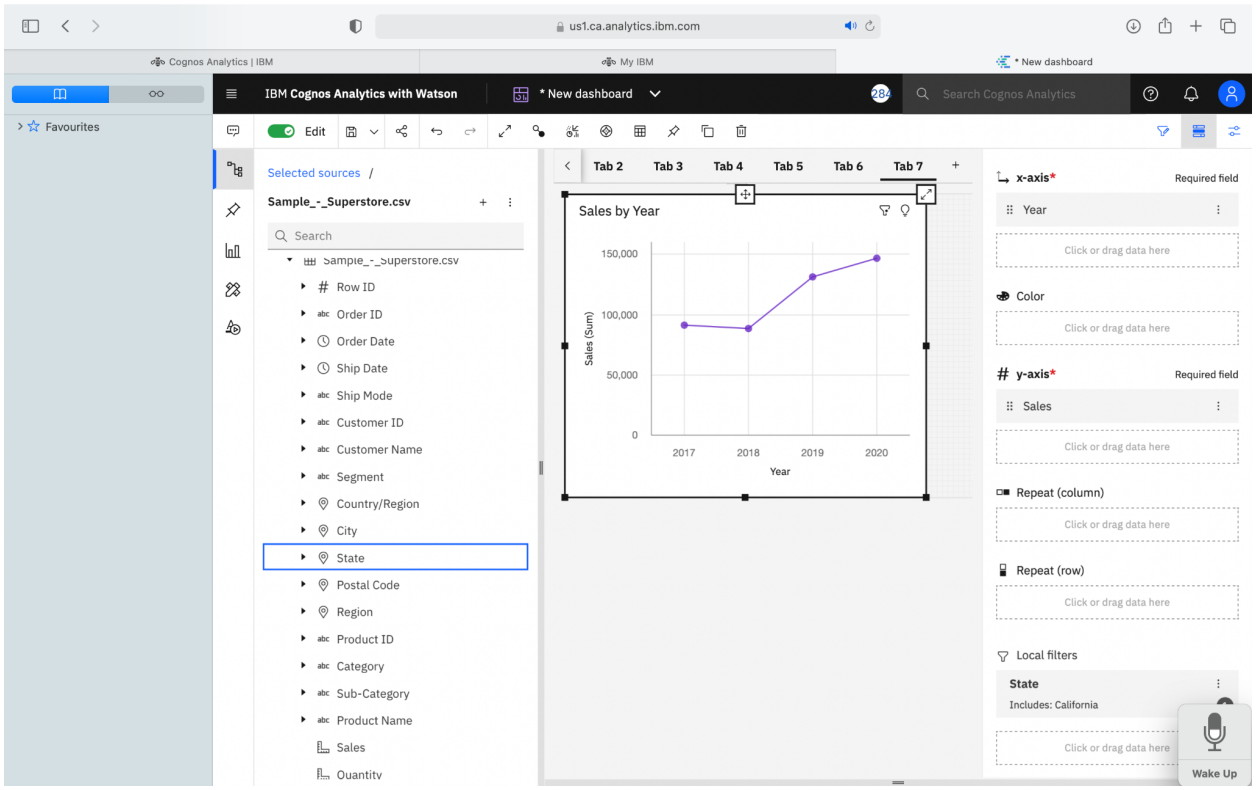


Yearly Sales For Various States

For visualizing the **Yearly sales for various states,** we will require the following data:

- Sales
- State
- Year (Calculated field)

For the following visualization, we'll be using a Line chart.

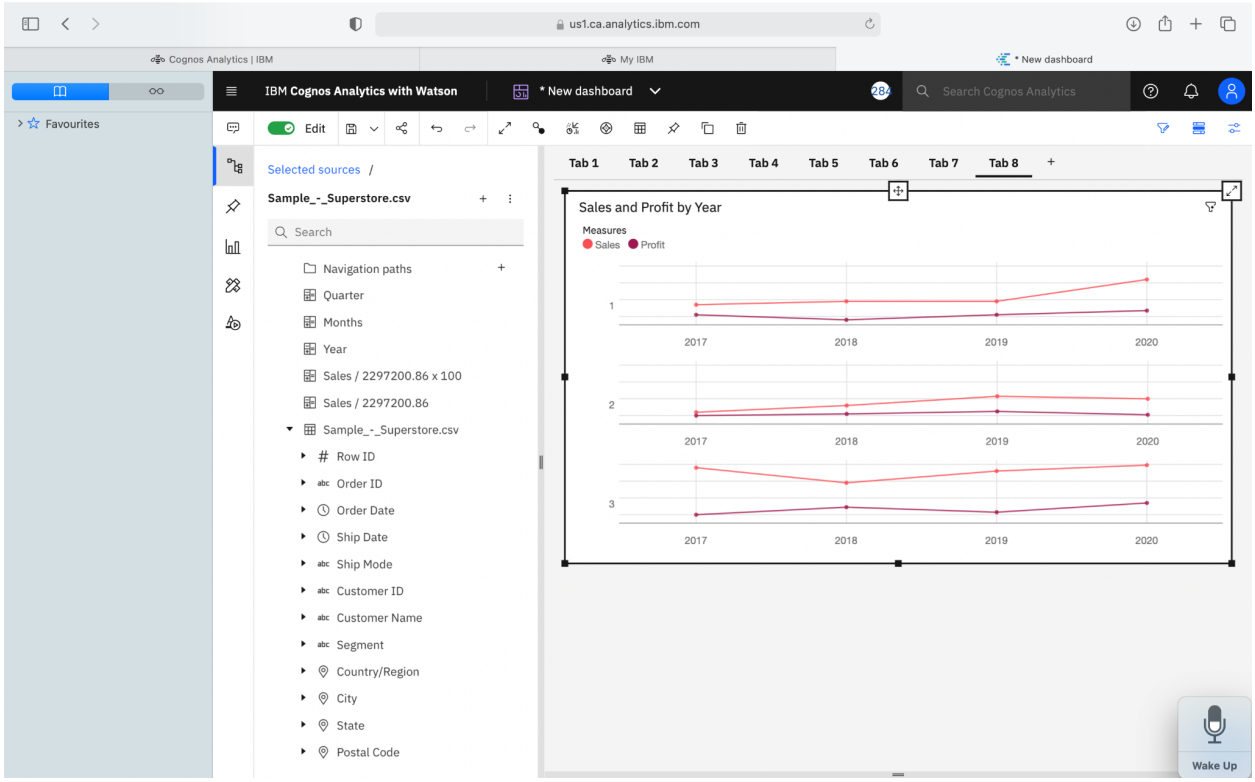


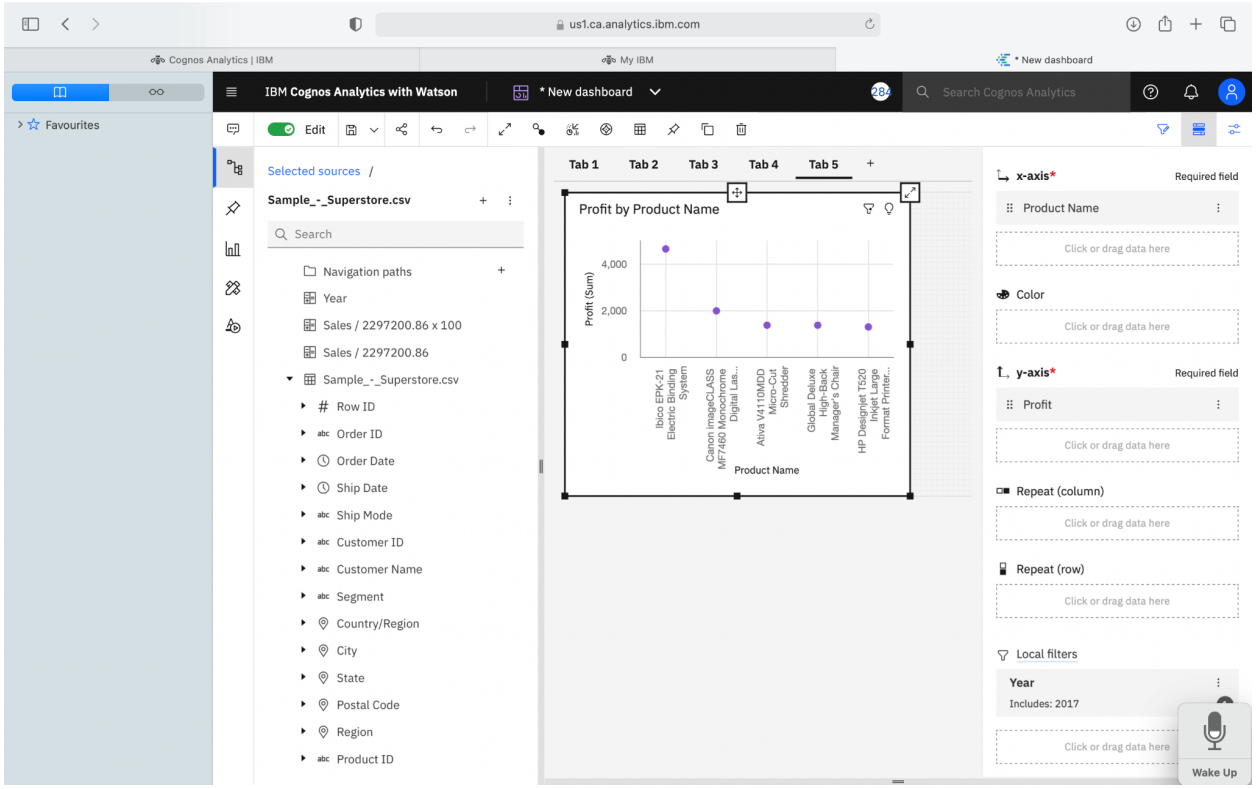
Trend In Profit/Sales Over Time (Years/Months/Quarters)

For visualizing the **Trend in profit/sales over time (years/months/quarters),** we will require the following data:

- Profit
- Sales
- Year (Calculated field)
- Month (Calculated field)
- Quarter (Calculated field)

For the following visualization, we'll be using a Line chart.


us1.ca.analytics.ibm.com
Cognos Analytics | IBM
My IBM
* New dashboard
IBM Cognos Analytics with Watson
* New dashboard
284
Search Cognos Analytics
Favourites
Edit
Selected sources /
Sample_-_Superstore.csv
Search
Navigation paths
Quarter
Months
Year
Sales / 2297200.86 x 100
Sales / 2297200.86
Sample_-_Superstore.csv
Row ID
Order ID
Order Date
Ship Date
Ship Mode
Customer ID
Customer Name
Segment
Country/Region
City
State
Postal Code
Tab 1
Tab 2
Tab 3
Tab 4
Tab 5
Tab 6
Tab 7
Tab 8
Sales and Profit by Year
Measures
Sales
Profit
1
2
3
2017
2018
2019
2020
Wake Up



Submitted by
PRAKHAR JAIN
prakhar.jain2019@vitbhopal.ac.in