

# **Estimation Of Business Expenses**

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This report delves into the captivating realm of India's agricultural cultivation, providing a comprehensive visual exploration of key aspects and trends in the agricultural sector. Through the visual representations, readers can gain valuable insights into crop production, seasonal variations, regional distribution, and overall production trends. These visualizations enable intuitive analysis, allowing stakeholders to uncover patterns, identify areas of growth or concern, and make data-driven decisions.

## **Introduction:**

This Document delivers what we have done in this project and what we experienced by this project. Here we attached the step by step procedure we followed to complete this project successfully. Also we attached the links of our project for reference .

# 1. Creating Empathy Map:

- By observing the topic of this project **Estimation Of Business Expenses** first me and my teammates discuss about the topic.
- With the help of **Mural** application we create an “**Empathy Map**”.
- We express our **Ideas, Thoughts, Does, Feel** in the form of mappings.

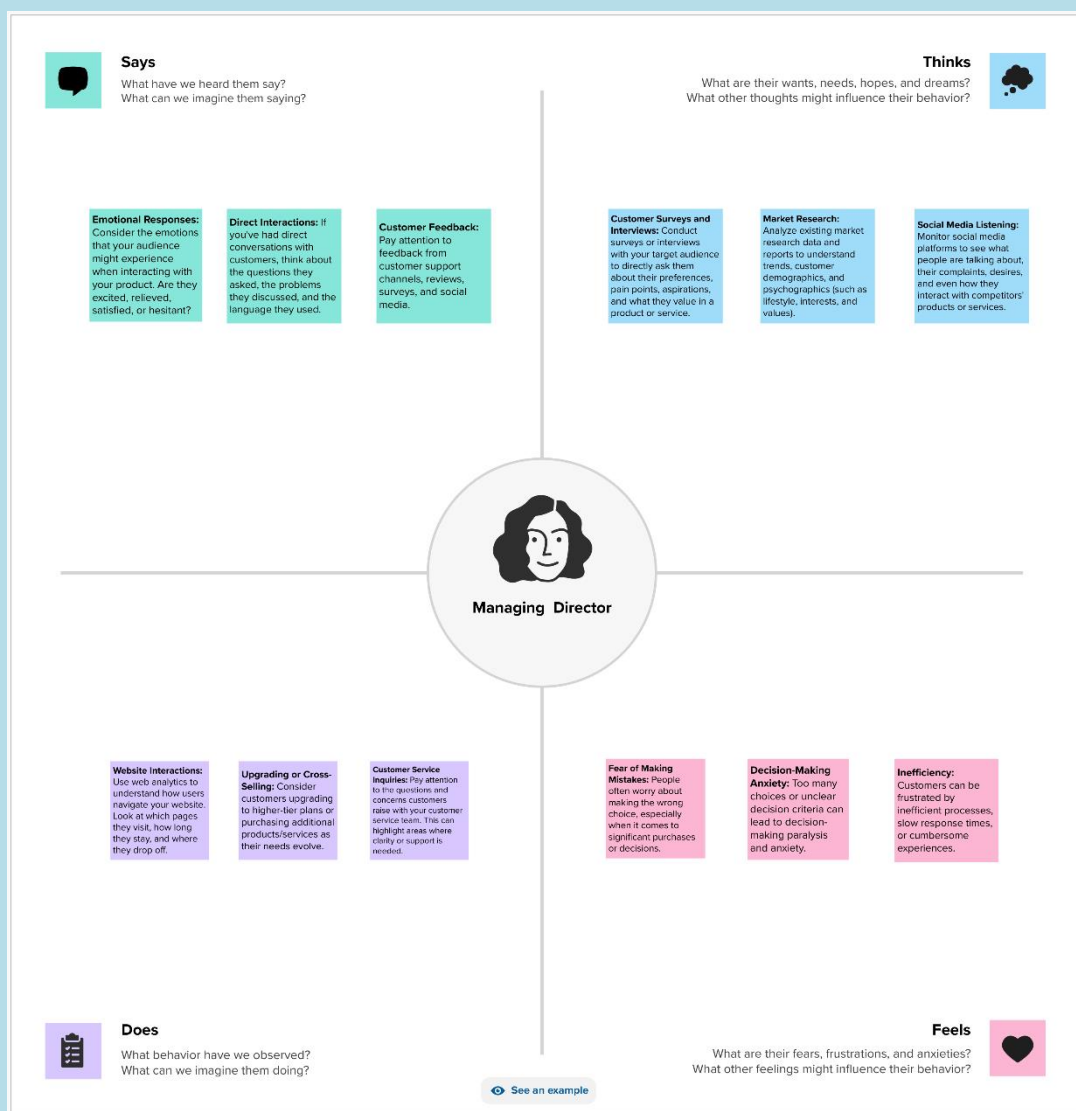
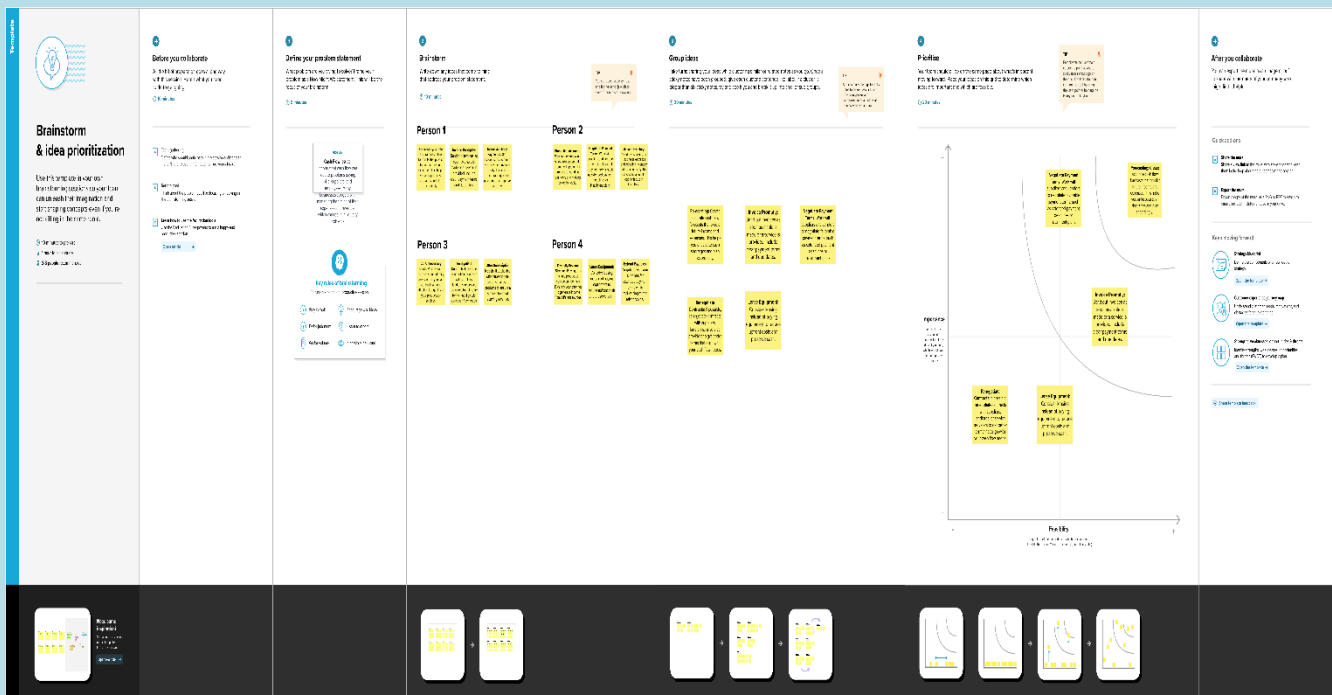


Fig 1: Empathy Map

## 2. Creating Brainstorm:

- With the help of **Mural** application we create a “**Brainstorm**” .
- In this Activity me and my teammates discuss the solution for the given problem statement.
- The important points are highlighted and ranked based by its effectiveness.

Fig 2: Brainstorm



# 3. Files upload in GitHub

**1: GitHub Link for see our Profile:**

<https://github.com/hirth-ic/Estimation-Of-Business-Expanses.git>

By clicking this above link you may see our GitHub profile.



## **4. Downloading the dataset**

We download the required data set from the given link

### **Understand the data**

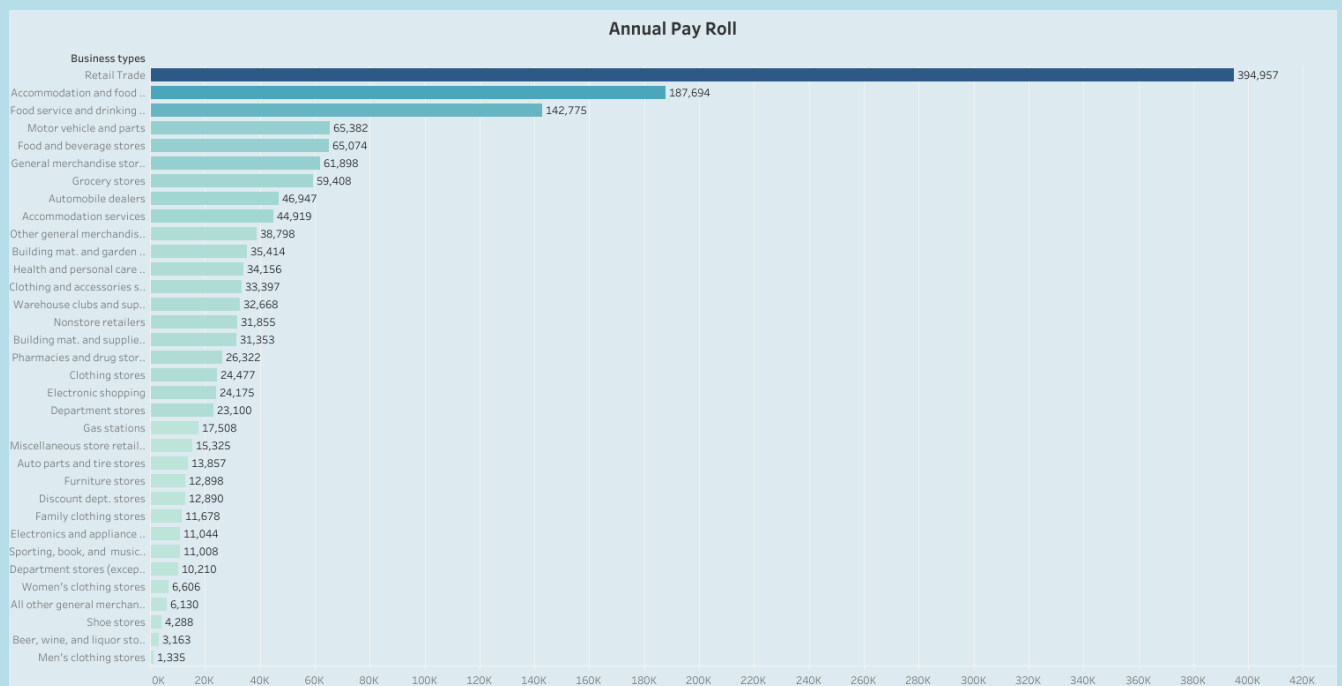
Data consists of 33 rows which correspond to 33 different business types and 29 columns that correspond to different operating expenses.

## 5. Data Visualization:

### Activity 1: No of Unique Visualizations

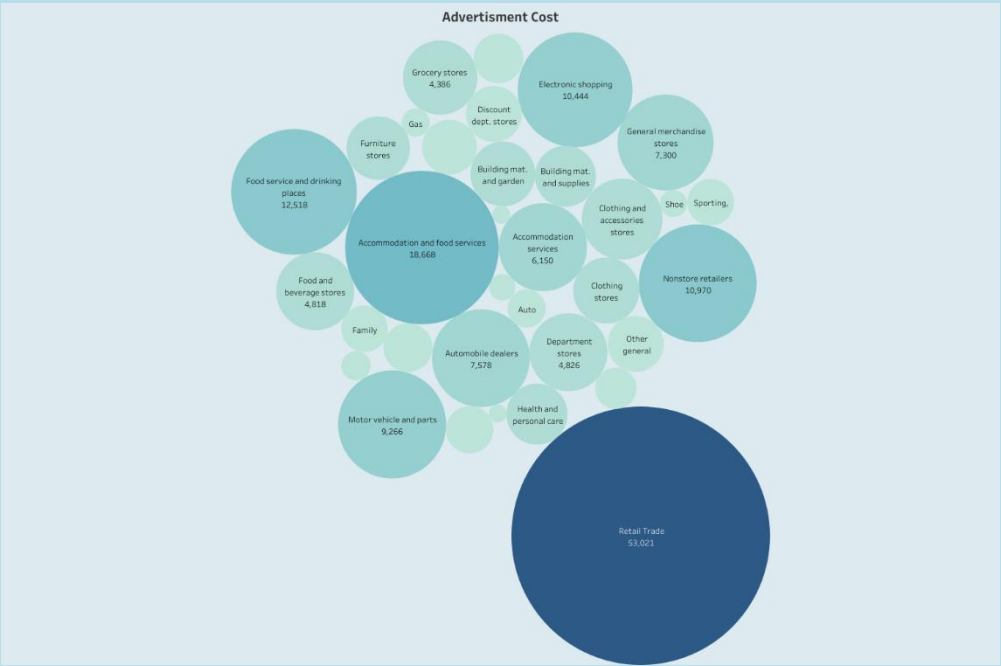
The number of unique visualizations that can be created with a given dataset. Some common types of visualizations that can be used to analyze the performance and efficiency of banks include bar charts, line charts, heat maps, scatter plots, pie charts, Maps etc.

#### Activity 1.1 : Annual Pay Roll

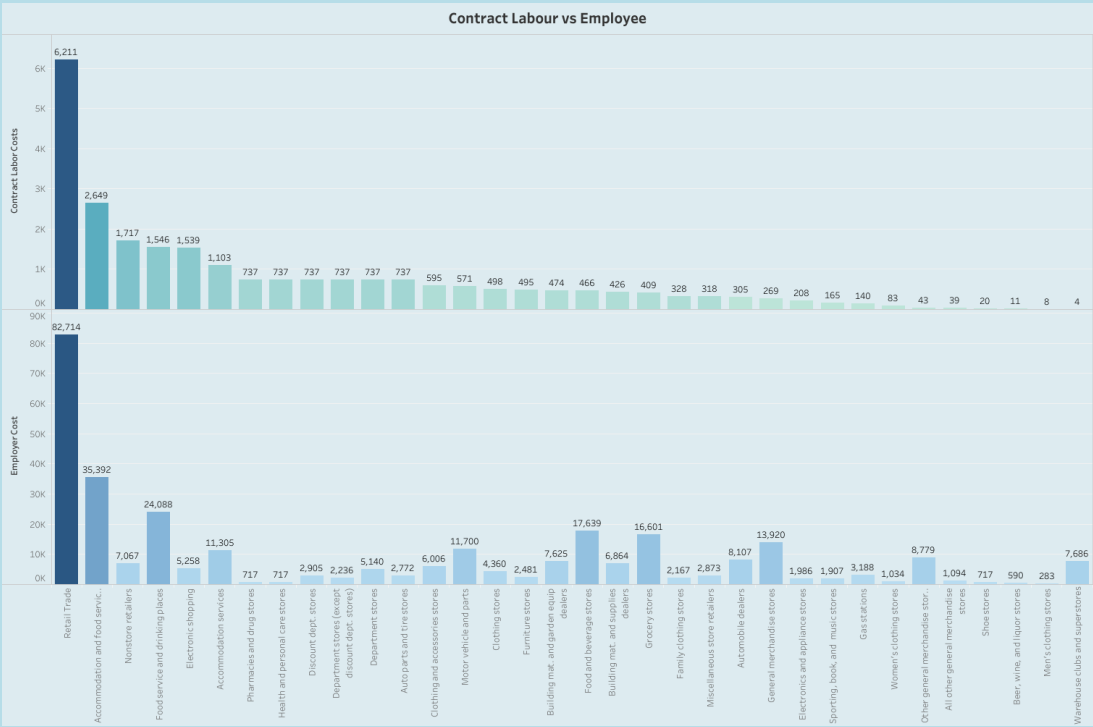




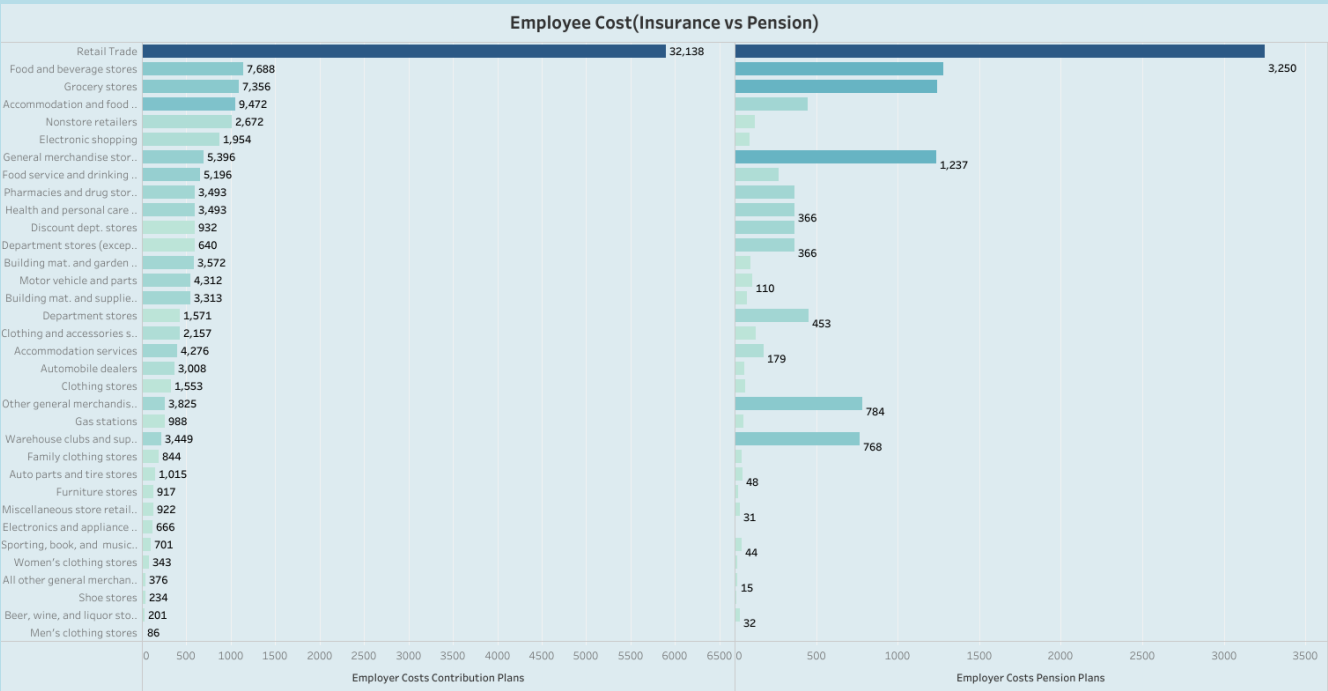
## Activity 1.2 : Advertisement Cost



## Activity 1.3 : Contract Labour vs Employee



## Activity 1.4 : Employee Cost(Insurance vs Pension)



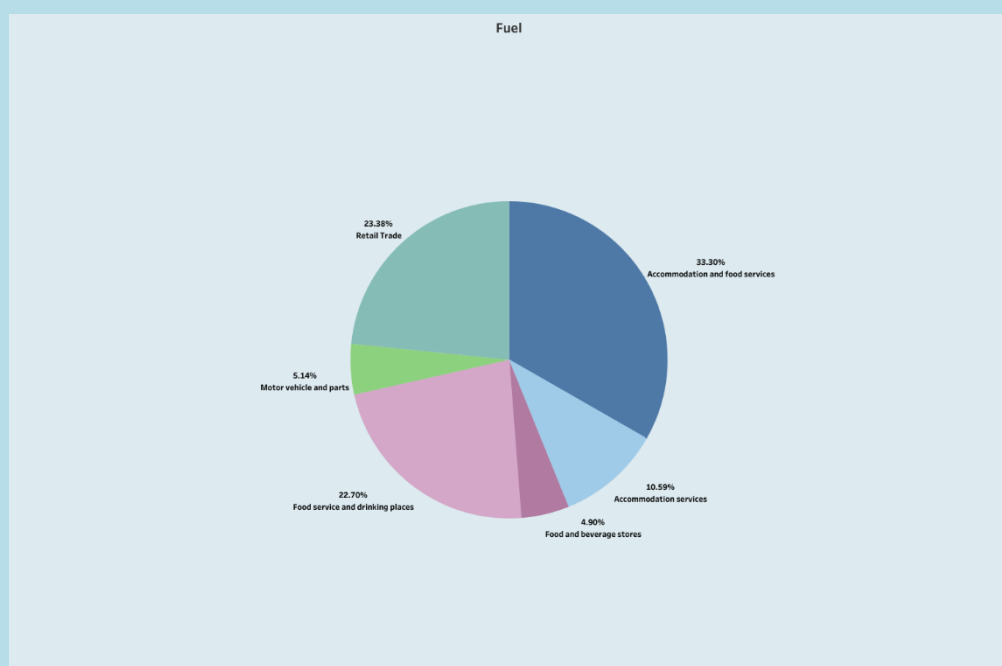
## Activity 1.5 : Equipment Costs



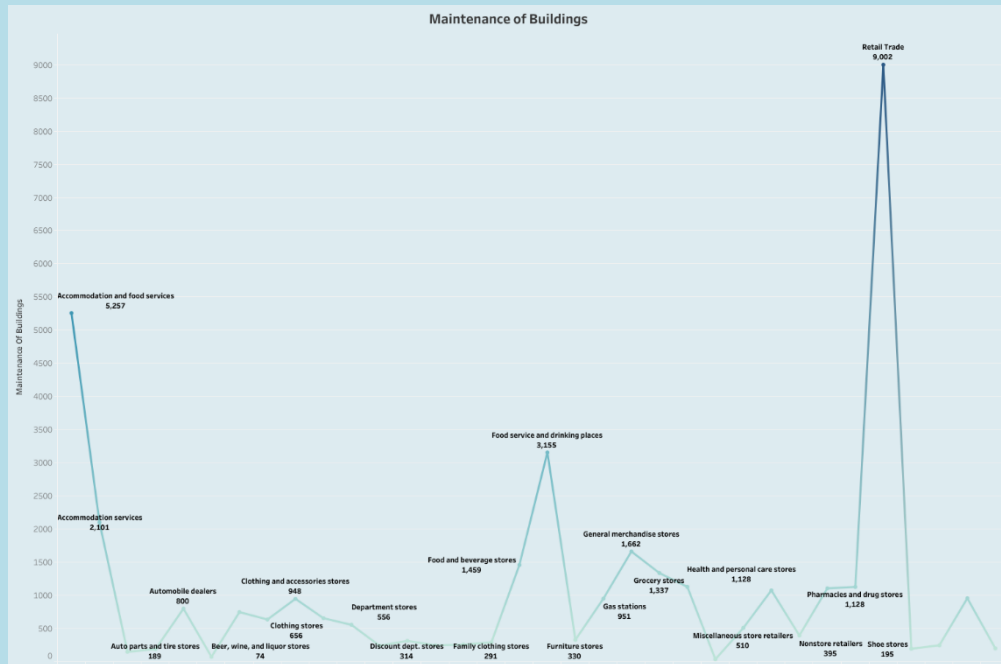
## Activity 1.6 : Expenses Yoy



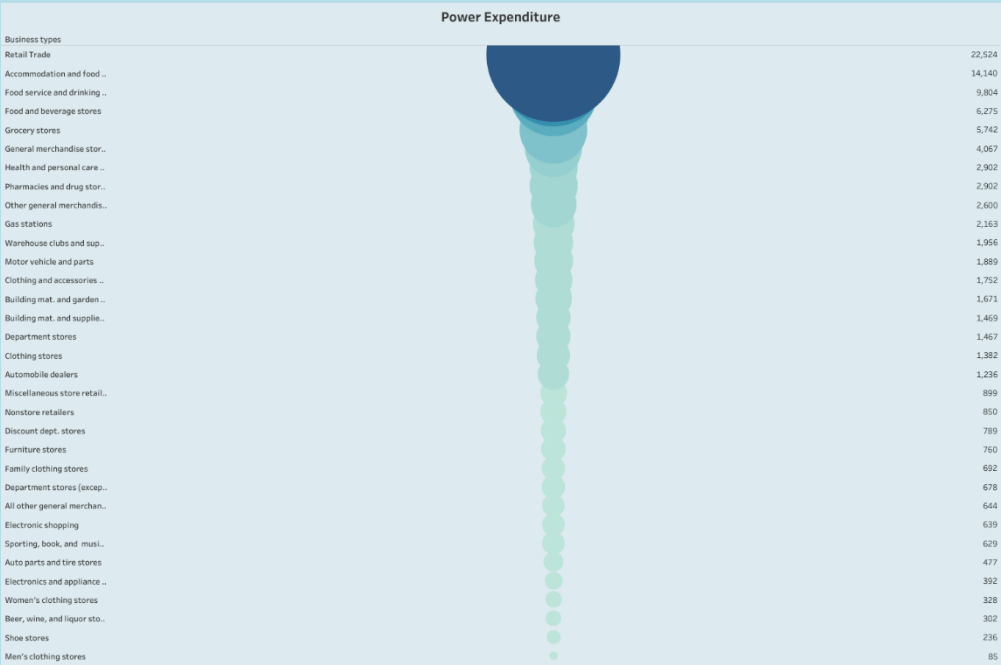
## Activity 1.7 : Fuel



## Activity 1.8 : Maintenance of Buildings

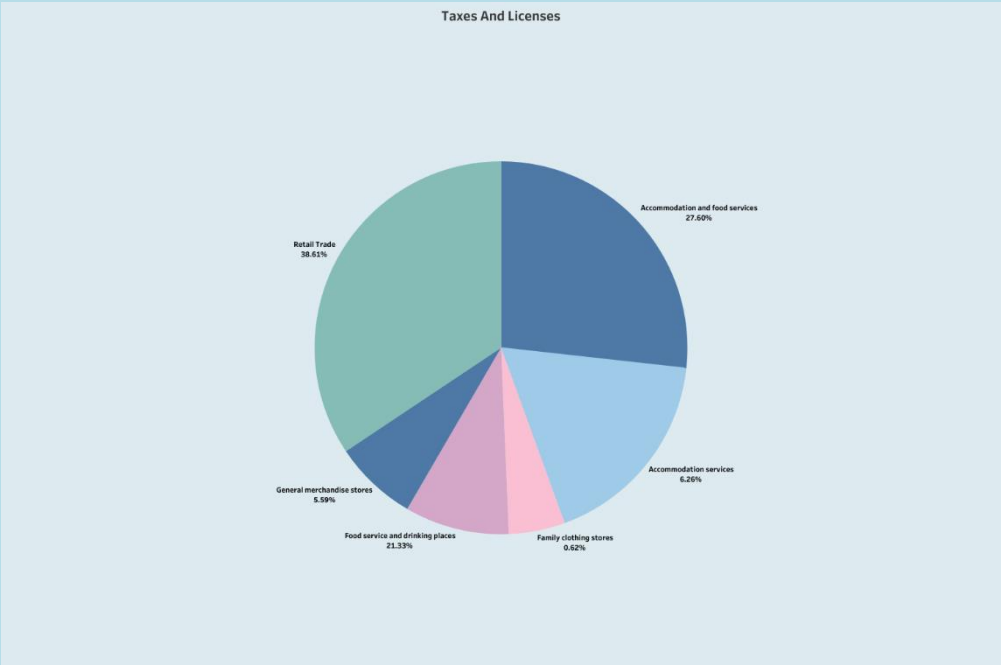


# Activity 1.9 : Power Expenditure

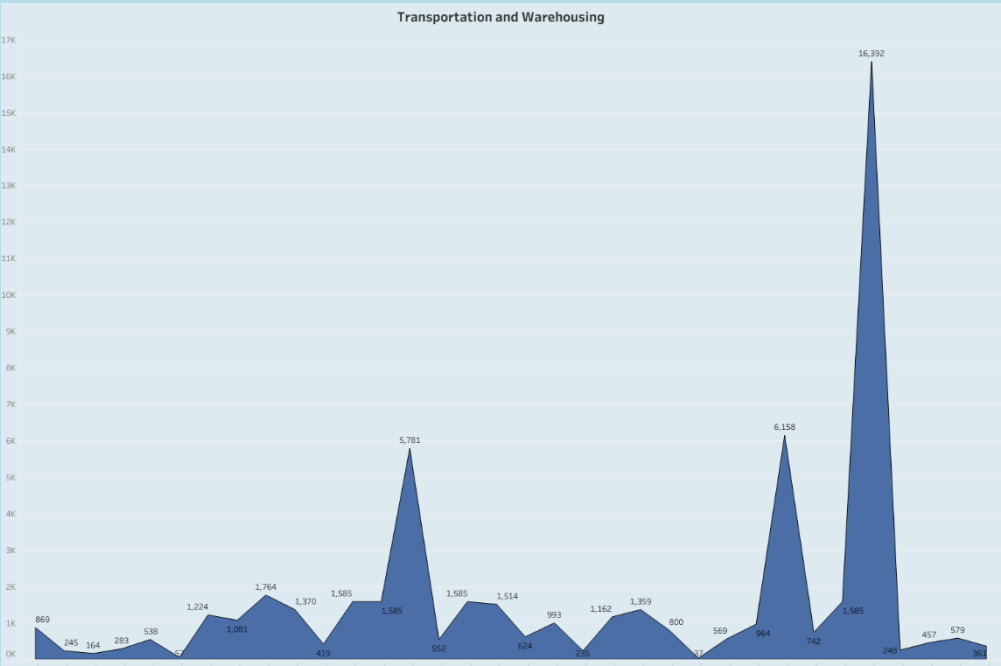


Retail Trade 3,461	Accommodation and food services 1,710	Clothing and accessories stores 171	Grocery stores 344	Pharmacies and drug stores 375		Gas		
		Food service and drinking places 1,028	Food and beverage stores 413	Motor vehicle and parts 337	General merchandise stores 236	Family clothing stores	Building mat. and supplies	Shoe stores 15
	Automobile dealers 228				Nonstore retailers 488	Warehouse clubs and other	All other	Auto
	Clothing stores 119		Health and personal care stores 375	Other general merchandise stores	Sporting, book, and music stores			

Activity 1.11 : Taxes And Licenses



Activity 1.12 : Transportation and Warehousing



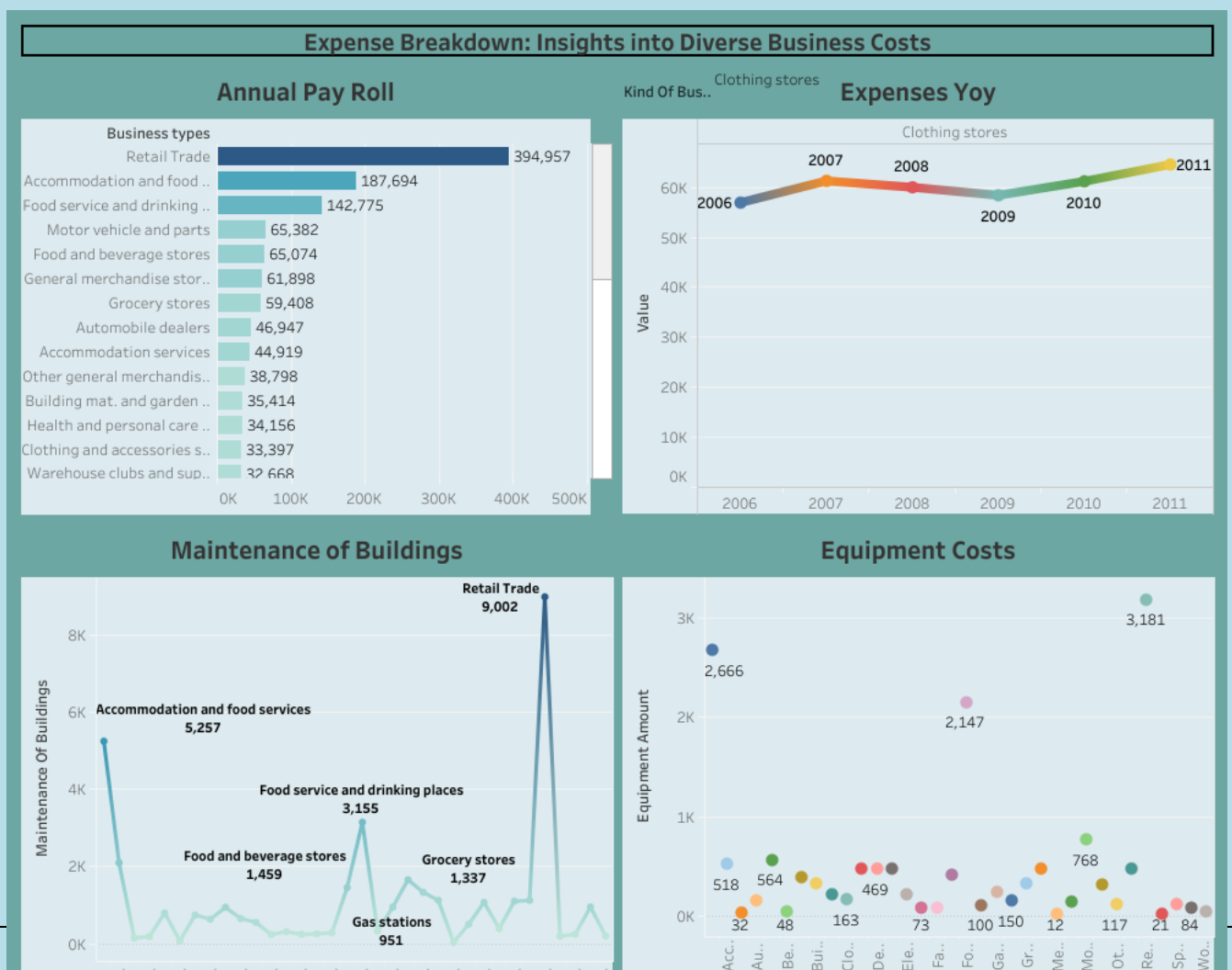
## 6. Dashboard:

A dashboard is a graphical user interface (GUI) that displays information and data in an organized, easy-to-read format. Dashboards are often used to provide real-time monitoring and analysis of data and are typically designed for a specific purpose or use case. Dashboards can be used in a variety of settings, such as business, finance, manufacturing, healthcare, and many other industries. They can be used to track key performance indicators (KPIs), monitor performance metrics, and display data in the form of charts, graphs, and tables.

### Activity 1: Responsive and Design of dashboard

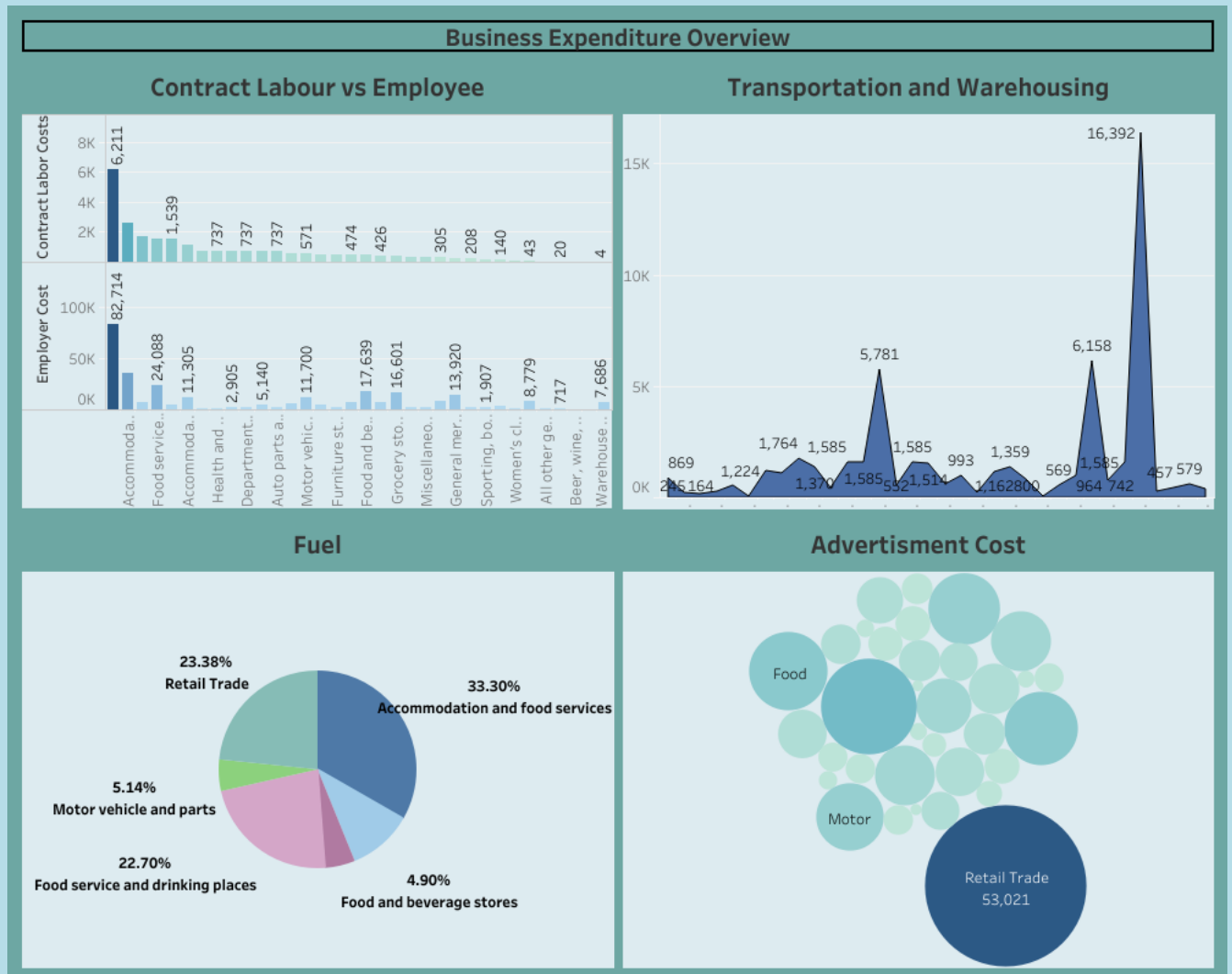
Once you have created views on different sheets in Tableau, we pull them to into a dashboard.

#### Activity 1.1 : Dashboard 1

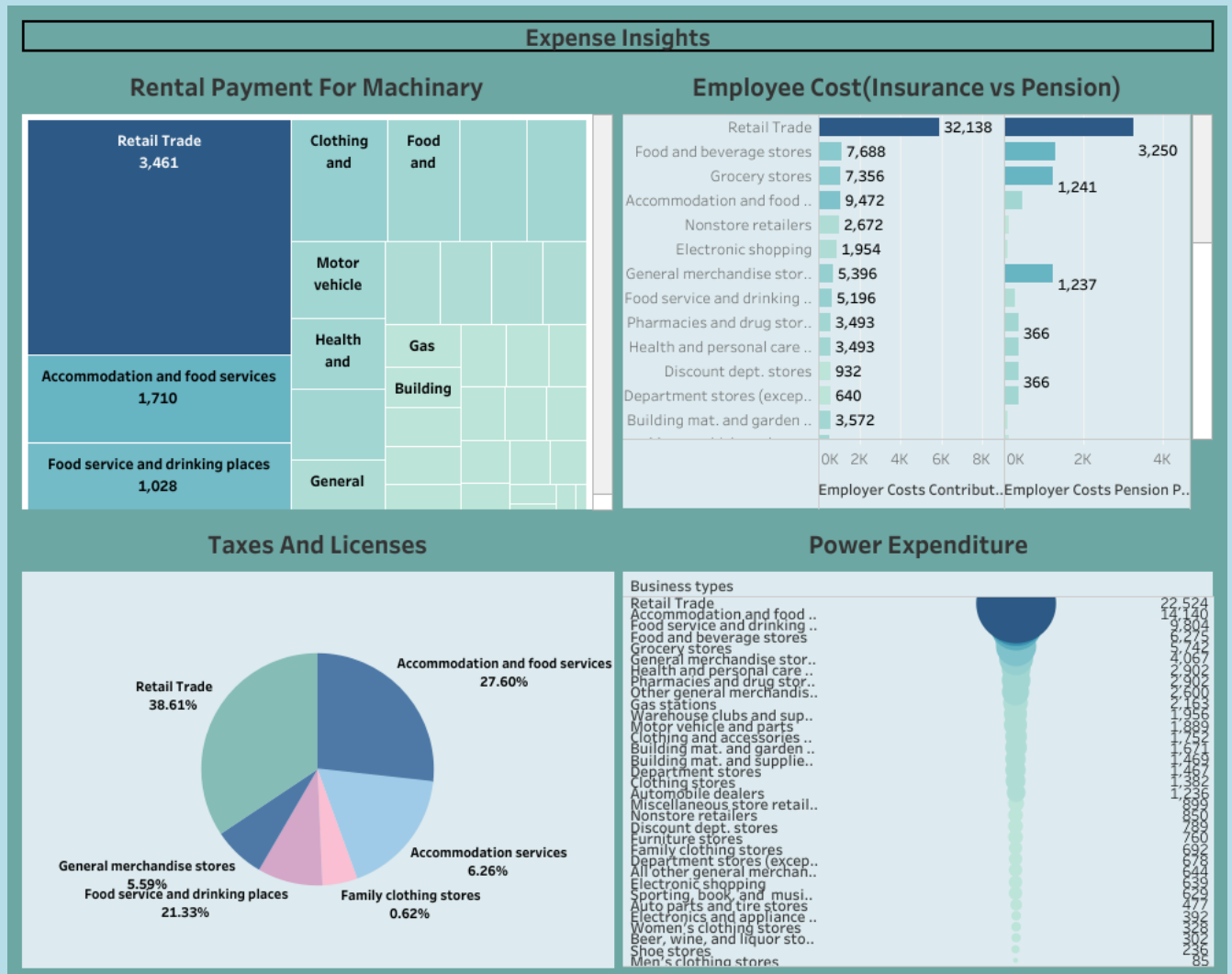




## Activity 1.2 : Dashboard 2



## Activity 1.3 : Dashboard 3



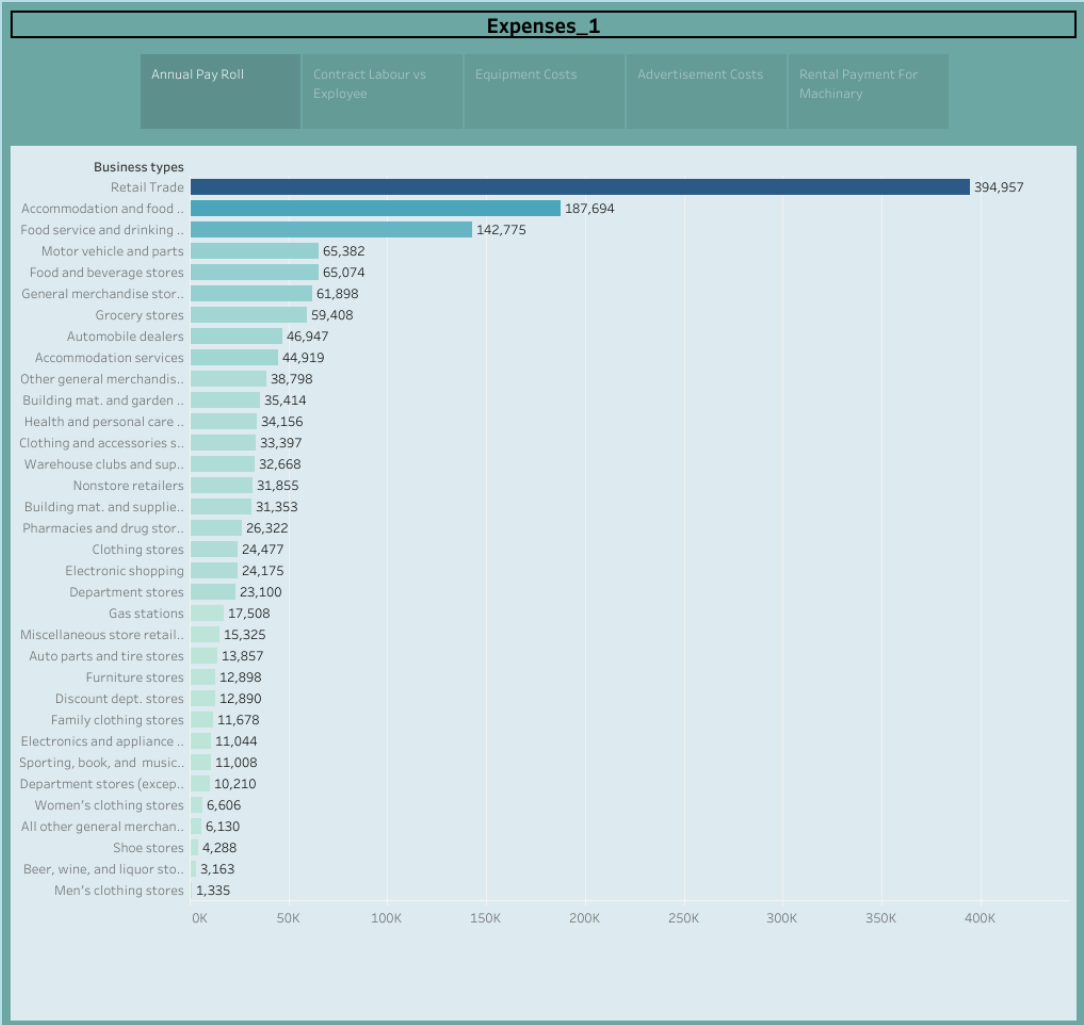
# 7. Story:

A data story is a way of presenting data and analysis in a narrative format, intending to make the information more engaging and easier to understand. A data story typically includes a clear introduction that sets the stage and explains the context for the data, a body that presents the data and analysis logically and systematically, and a conclusion that summarizes the key findings and highlights their implications.

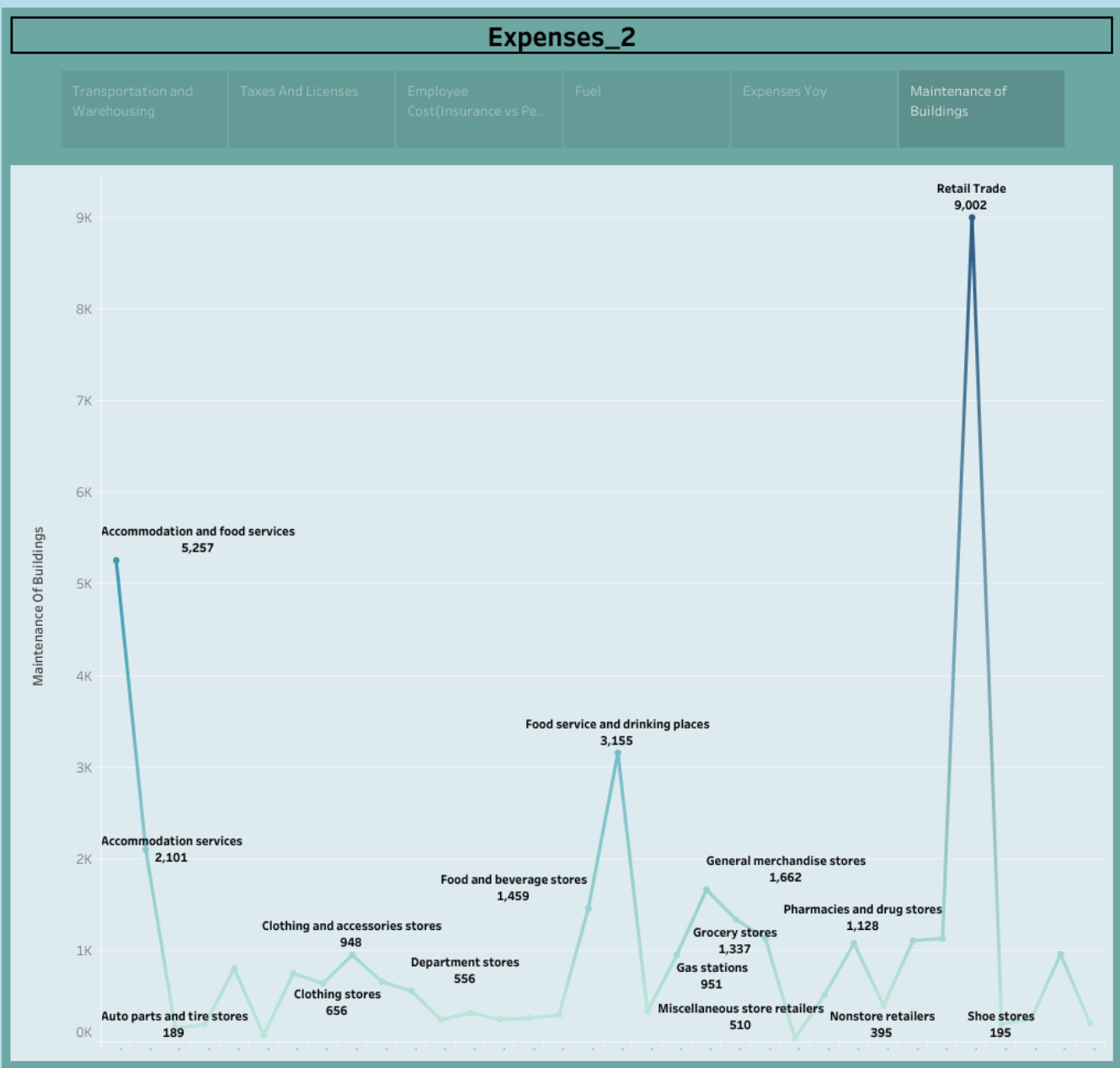
## Activity 1: Number of scenes in a story

A storyboard is a visual representation of the data analysis process and it breaks down the analysis into a series of steps or scenes.

### Activity 1.1 : Story 1



Activity 1.2 : Story 2

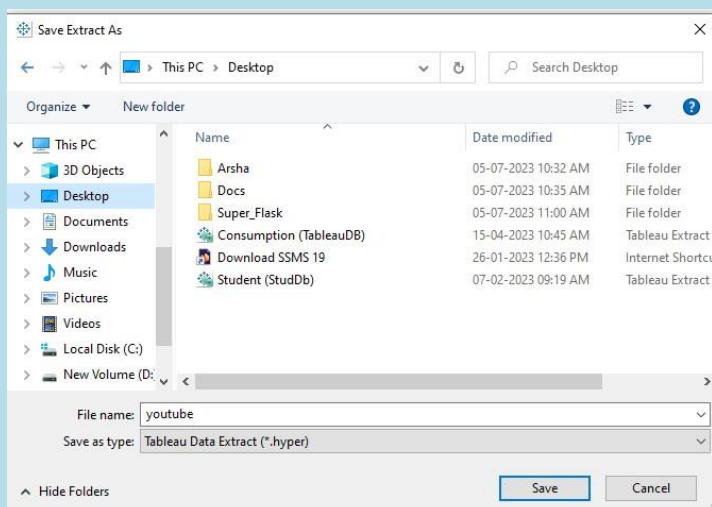
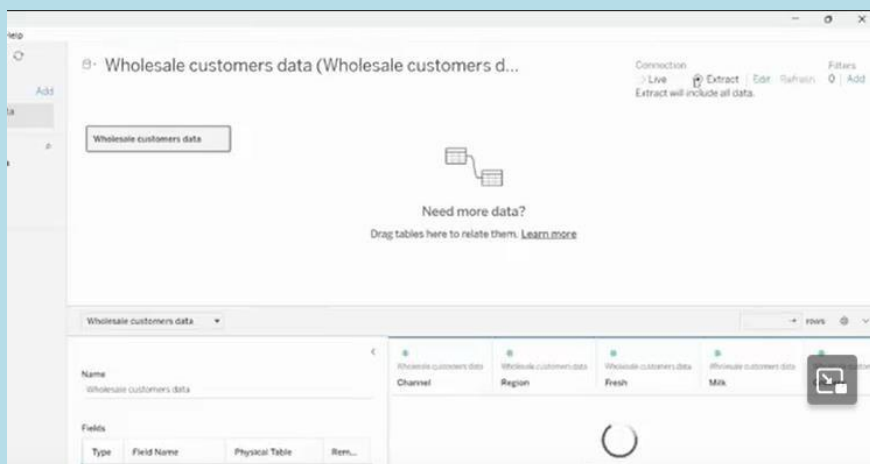


## 8. Publishing:

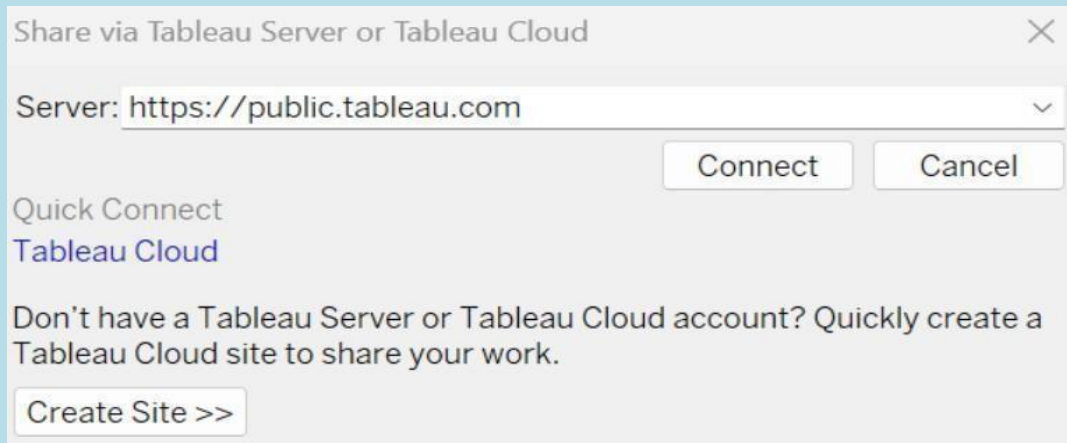
Publishing helps us to track and monitor key performance metrics and to communicate results and progress. help a publisher stay informed, make better decisions, and communicate their performance to others.

### Publishing dashboard and reports to tableau public

**Step 1** Go to data Source and Select Extract so that .hyper extension files are created and save it at your desktop.  
(please wait for pop up of file to save)



**Step 2:** Go to Dashboard/story, click on share button on the top ribbon



Share via Tableau Server or Tableau Cloud

Server: <https://public.tableau.com>

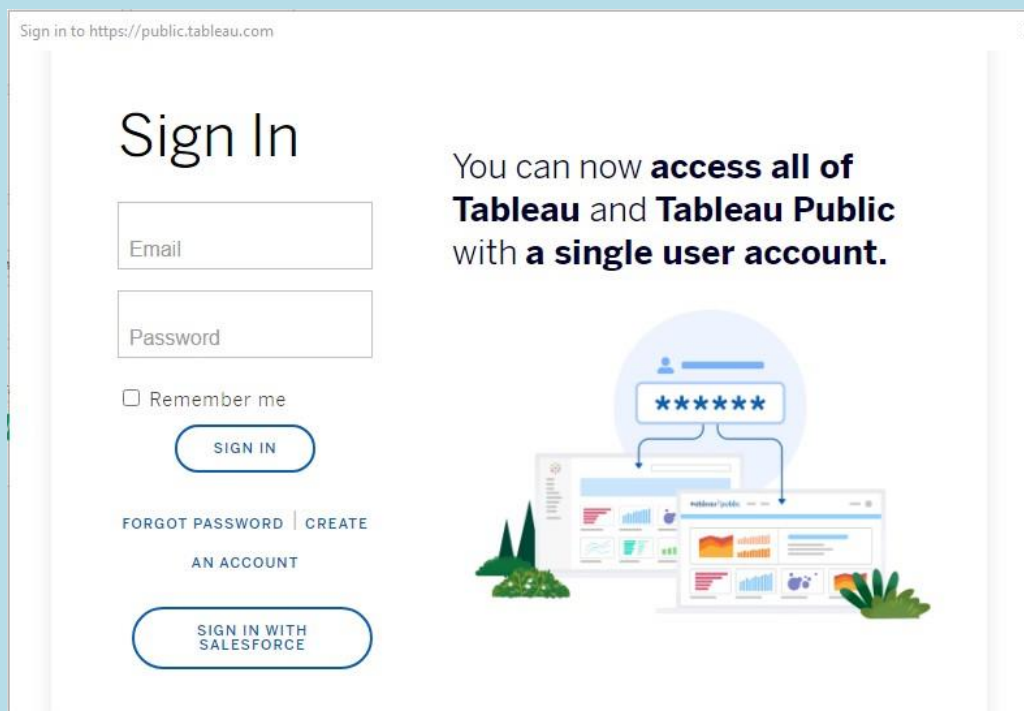
Connect Cancel

Quick Connect  
Tableau Cloud

Don't have a Tableau Server or Tableau Cloud account? Quickly create a Tableau Cloud site to share your work.

Create Site >>

Give the server address of your tableau public account and click on connect.



Sign in to <https://public.tableau.com>

# Sign In

Email

Password

☐ Remember me

SIGN IN

FORGOT PASSWORD | CREATE AN ACCOUNT

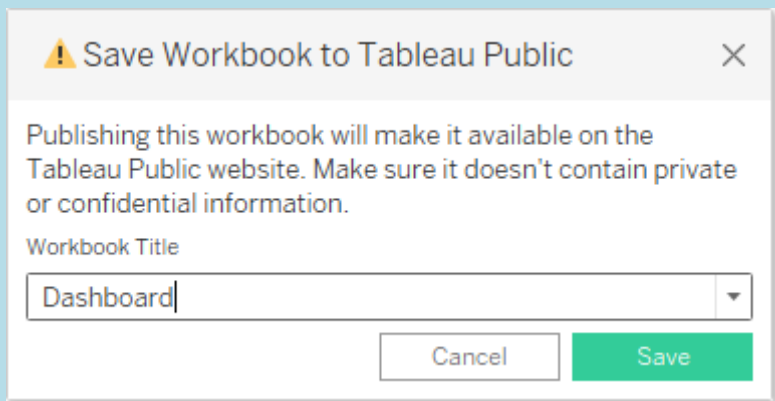
SIGN IN WITH SALESFORCE

You can now **access all of Tableau and Tableau Public** with **a single user account.**

Sign in to your Tableau Public account or create a new account if you don't have one. You can visit the Tableau Public website ([public.tableau.com](https://public.tableau.com)) and click on the "Sign In" or "Join" button.

In the "Tableau Public Sign In" window, enter your Tableau Public account credentials and click "Sign In."

Next, you'll need to provide a title and description for your workbook. Fill in the appropriate details in the provided field of workbook Title



Click on the "Save" button to start the publishing process. Tableau Desktop will upload your workbook to Tableau Public.

Once the upload is complete, a browser window will automatically open, displaying your published workbook on Tableau Public. Review the workbook to ensure that everything appears as expected.

So in Similar way we can also publish Story to tableau public.

## **9. Publishing dashboard and reports to tableau public:**

**Our Tableau Public Link:**

[https://public.tableau.com/views/EstimationofBusinesExpanses/AnnualPayRoll?:language=en-US&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/EstimationofBusinesExpanses/AnnualPayRoll?:language=en-US&:display_count=n&:origin=viz_share_link)

## **10. Record explanation Video for project end to end solution:**

**Google drive link for Explanation video:**

<https://drive.google.com/file/d/1CXAXB-cGQPkCkFBP1iQCa3crI81DrgZO/view>