

# **FUNDAMENTALS OF DATA ANALYTICS WITH TABLEAU**

## **PROJECT TITLE**

**Estimation Of Business Expenses**

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**NM2023TMID27971**

## **TEAM MEMBERS:**

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# Estimation Of Business Expenses

## Introduction:

### Description of project:

This report deal's into the fascinating realm of business expenses and provides a visual exploration of the various expenditures incurred by different businesses. It showcases the distribution of expenses, identifies key cost drivers, and highlights areas of potential optimization or concern. The visual representations allow for intuitive analysis, facilitating a deeper understanding of expenditure patterns and their implications for business performance. Decision-makers, financial analysts, and stakeholders can gain valuable insights into the financial health of businesses, identify areas of inefficiency or opportunity, and make informed decisions to optimize resources and drive growth. To Extract the Insights from the data and put the data in the form of visualizations, Dashboards and Story we employed Tableau tool.

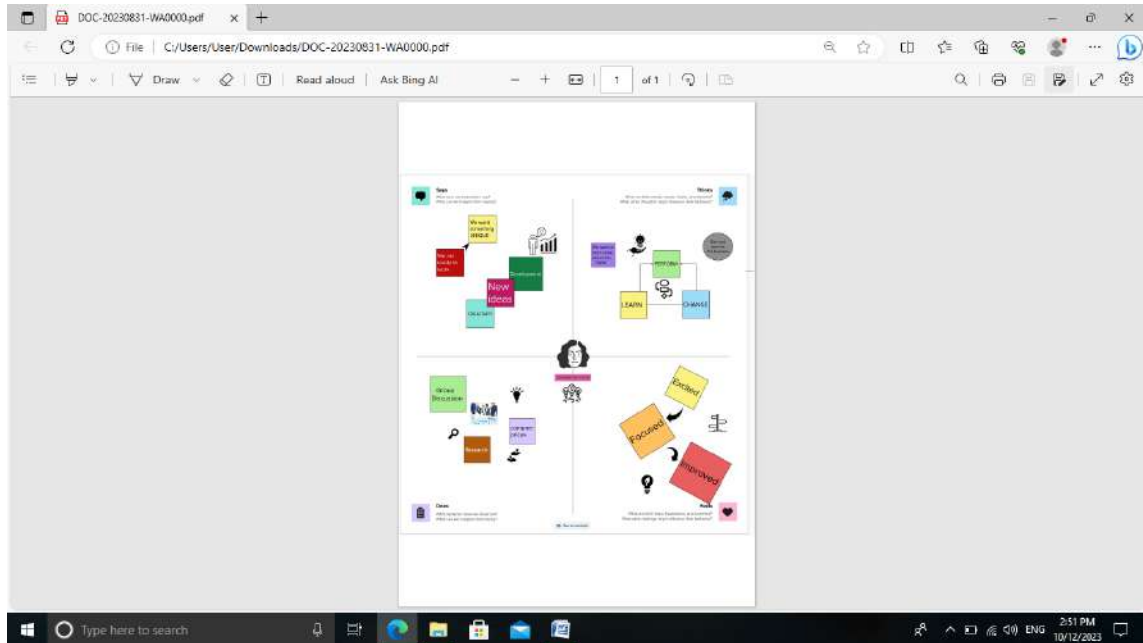
### Uses:

Its help user to create different charts , graps ,maps,task code and storing to analysis to help in make in business distination.

## Problem Definition & Design Thinking:

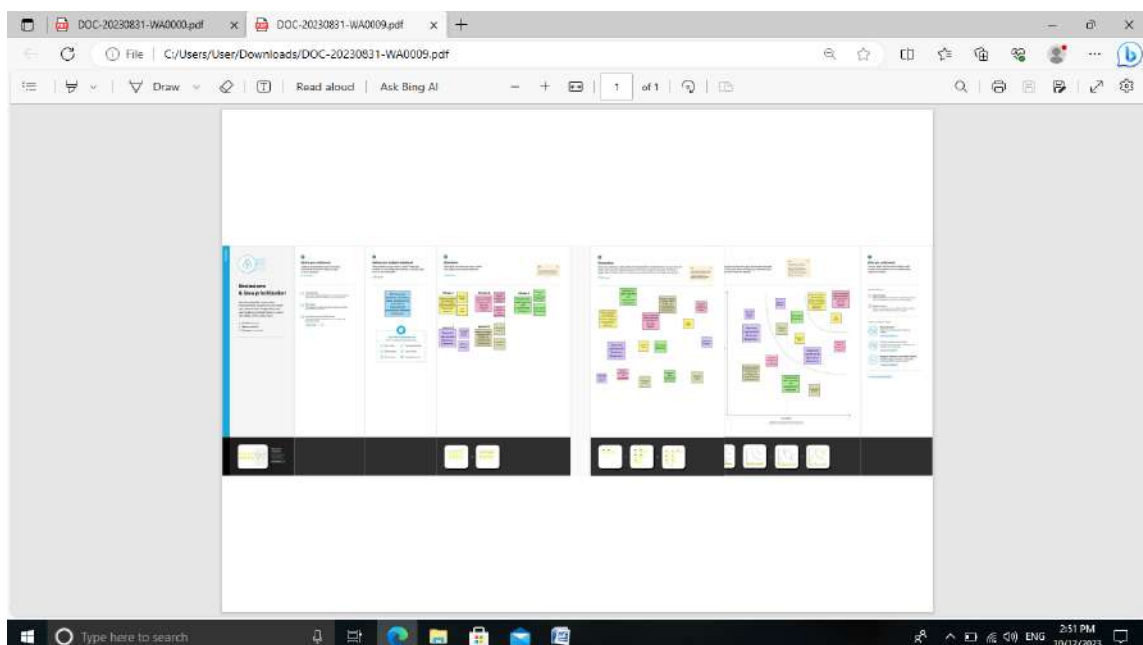
### EMPATHY MAP:

- First we make a empathy map for a group idea .To create a empathy map from mural web site and logic with email account and search the templates that you wanted to create.



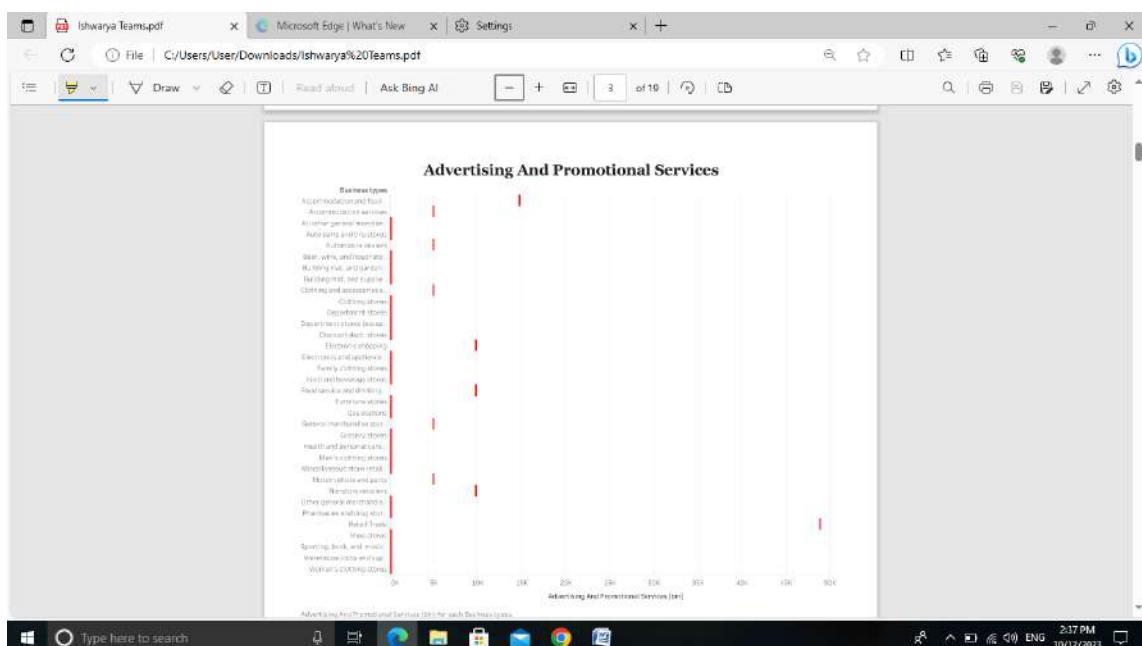
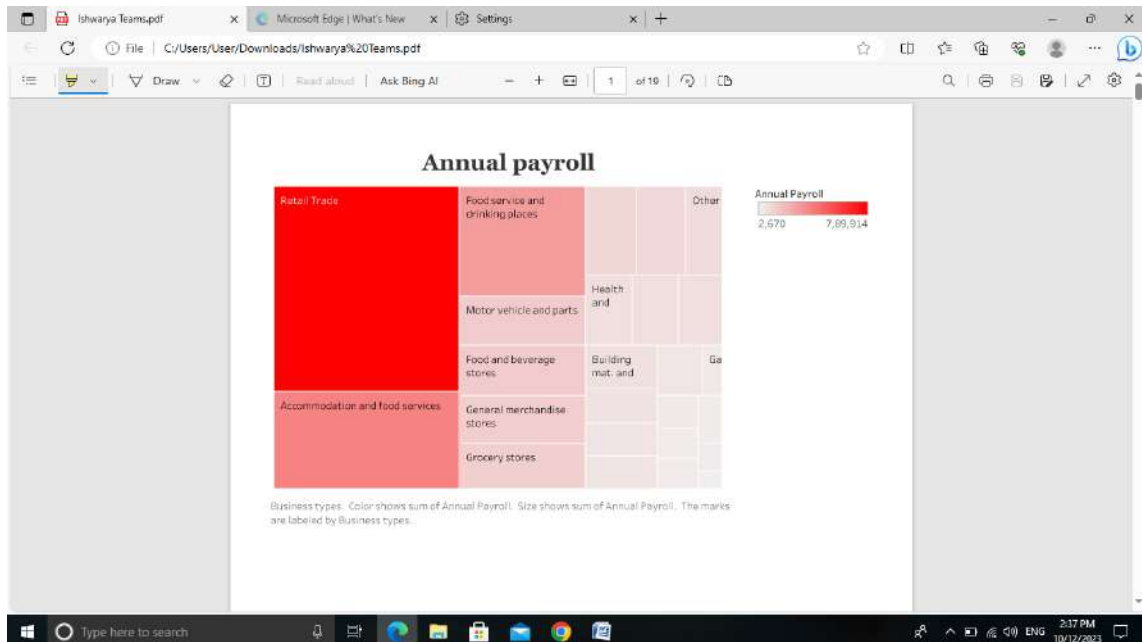
## BRAINSTORMING MAP:

- Then make a brainstorm map with mural website. I brainstorm we discussed the define problem and understand the problem. First we have defined what are the problems and types in the question box. Then it is a group idea and write in the box as person1, person2 and person 3. Now three person give different idea for the same problem.



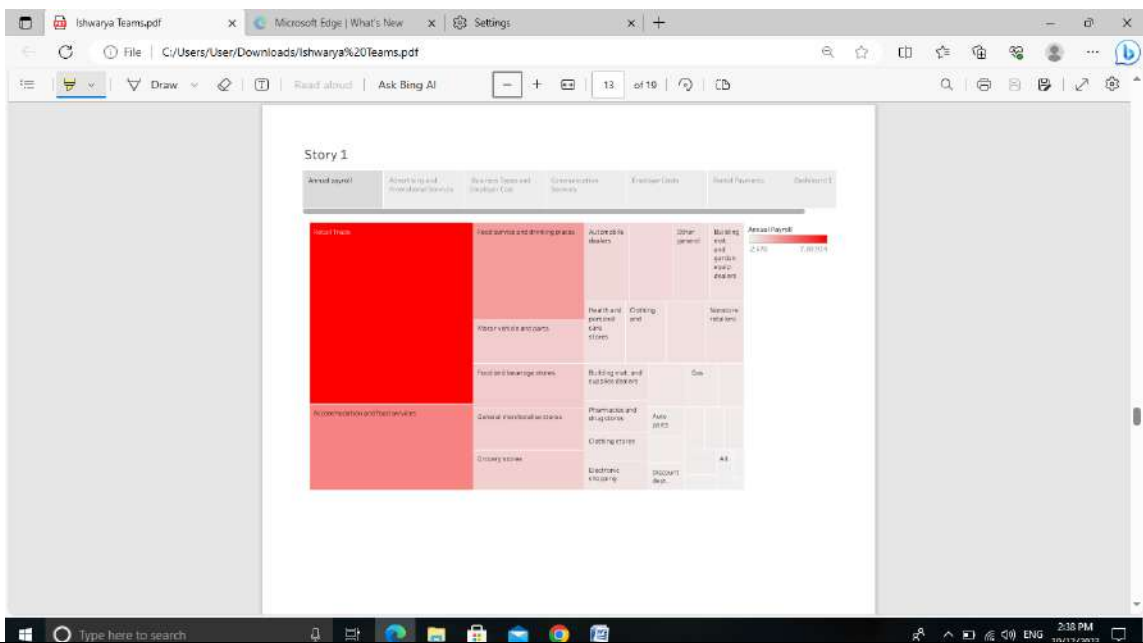
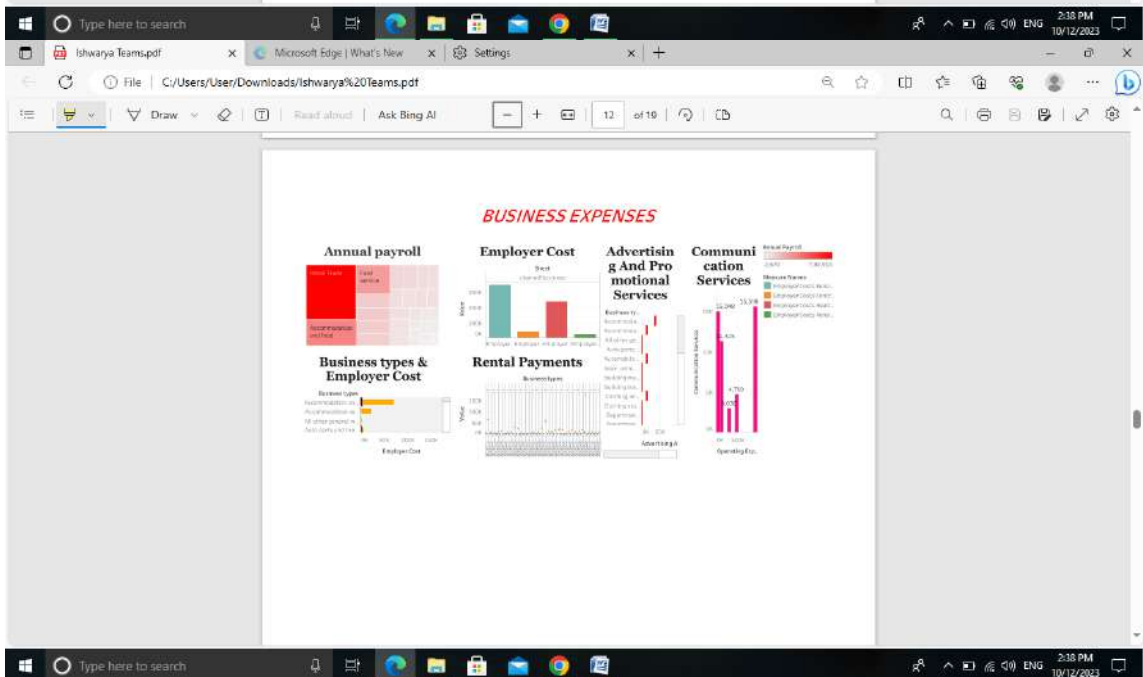
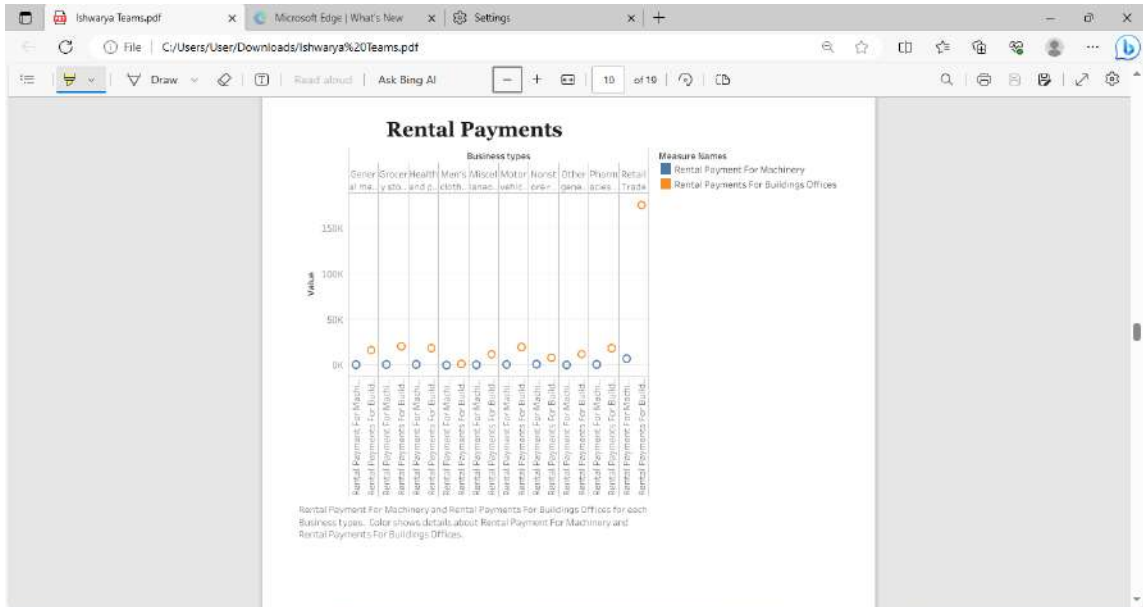
## PROCEDURE FOR TABLEAU PROJECT:

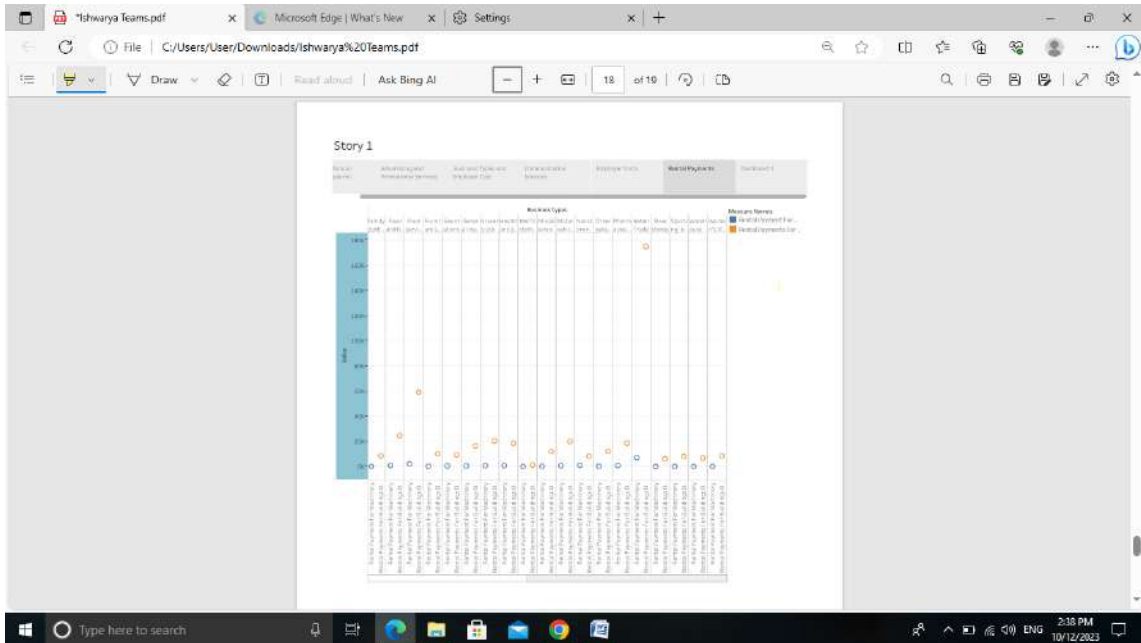
- Before opening the tableau desktop we had download the dataset for your project.
- after download the dataset we open the tableau desktop.
- After opening the selected link connect to data, select the “more” option and select the dataset.





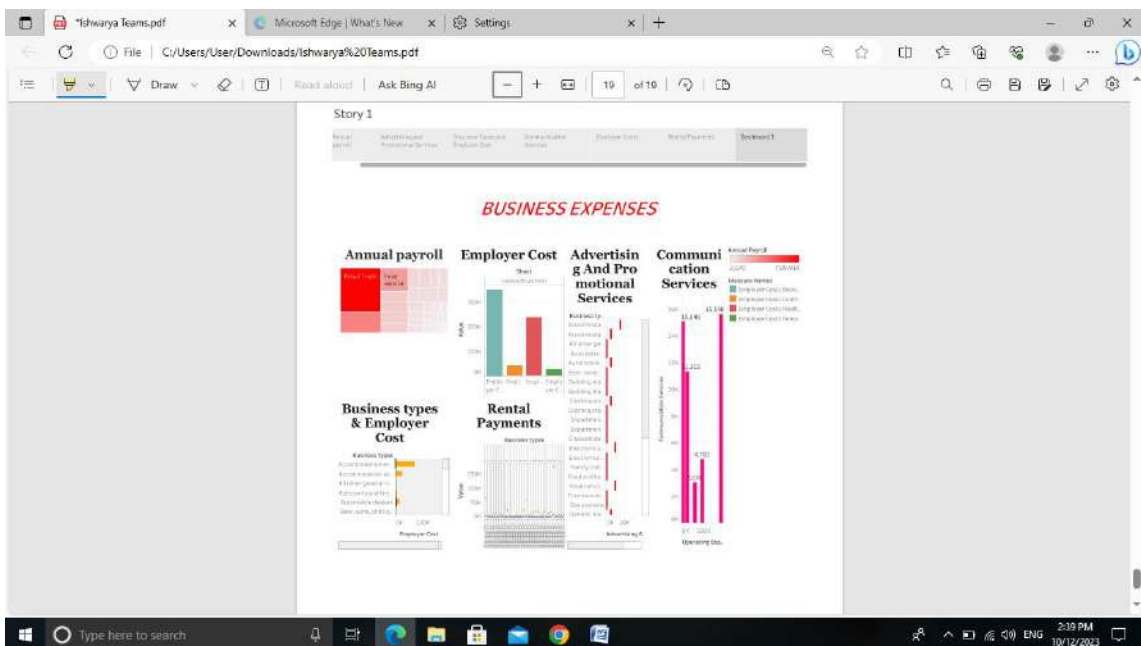






## RESULT:

- Sign into the tableau account.
- Publish the workbook in the tableau cloud.
- Upload the project in the github.





### **ADVANTAGES:**

- Tableau, we can easily build and iterate on visualization with a drag and drop experience and dynamic preview.
- Ask new questions, spot trends, identify opportunities and make data-driven decisions with confidence.

### **DISADVANTAGES:**

- It's too expensive for some users.
- There are limited output options.
- Need manual effort.

### **APPLICATION:**

- ✓ It helps users to create different charts, graphs, maps, dashboards and stories to analyze data to help in making business decisions.

### **CONCLUSION:**

- ✓ Tableau is a powerful data visualization tool that can help businesses make better informed decisions.

### **FUTURE SCOPE:**

- ✓ Tableau developers have a range of job titles to choose from: computer architect, business intelligence developer, business object developer, data analyst ... once you become a certified professional, in Tableau from a reputable institute, your options are endless.