



ESTIMATION FOR BUSINESS EXPENSES DATA VISUALIZATIONS AND DATA ANALYSIS

A PROJECT REPORT

SUBMITTED BY

NAVEEN KUMAR R

NISHANTH S

RAGUNATH J.K

SAKTHIVEL P

BACHOLAR OF SCIENCE

IN

MATHEMATICS

KANDASWAMI KANDAR'S COLLEGE, P.VELUR
(Affiliated to PERIYAR UNIVERSITY SALEM)

PG & RESEARCH DEPARTMENT OF MATHEMATICS

OCTOBER - 2023

TABLE OF CONTENTS

1 INSTRUCTION

1.1 Overview

A brief description about your project

1.2 Purpose

The use of this project. What can be achieved using this.

2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy map

Paste the empathy map screenshot

2.2 Ideation & brainstorming Map

Paste the Ideation & brainstorming map screenshot

3 RESULT

Final findings (Output) of the project along with screenshots.

4 ADVANTAGES & DISADVANTAGES

List of advantages and disadvantages of the proposed solution

5 APPLICATIONS

The areas where this solution can be applied

6 CONCLUSION

Conclusion summarizing the entire work and findings.

7 FUTURE SCOPE

Enhancements that can be made in the future.

8 APPENDIX

A. Source code

Attach the code for the solution built.

INTRODUCTION

1.1 project overview

Accurate estimation of expenses is crucial for budgeting and financial planning, but it can be challenging. In this presentation, we'll explore best practices and factors that influence expense estimation.

1.2 Purpose

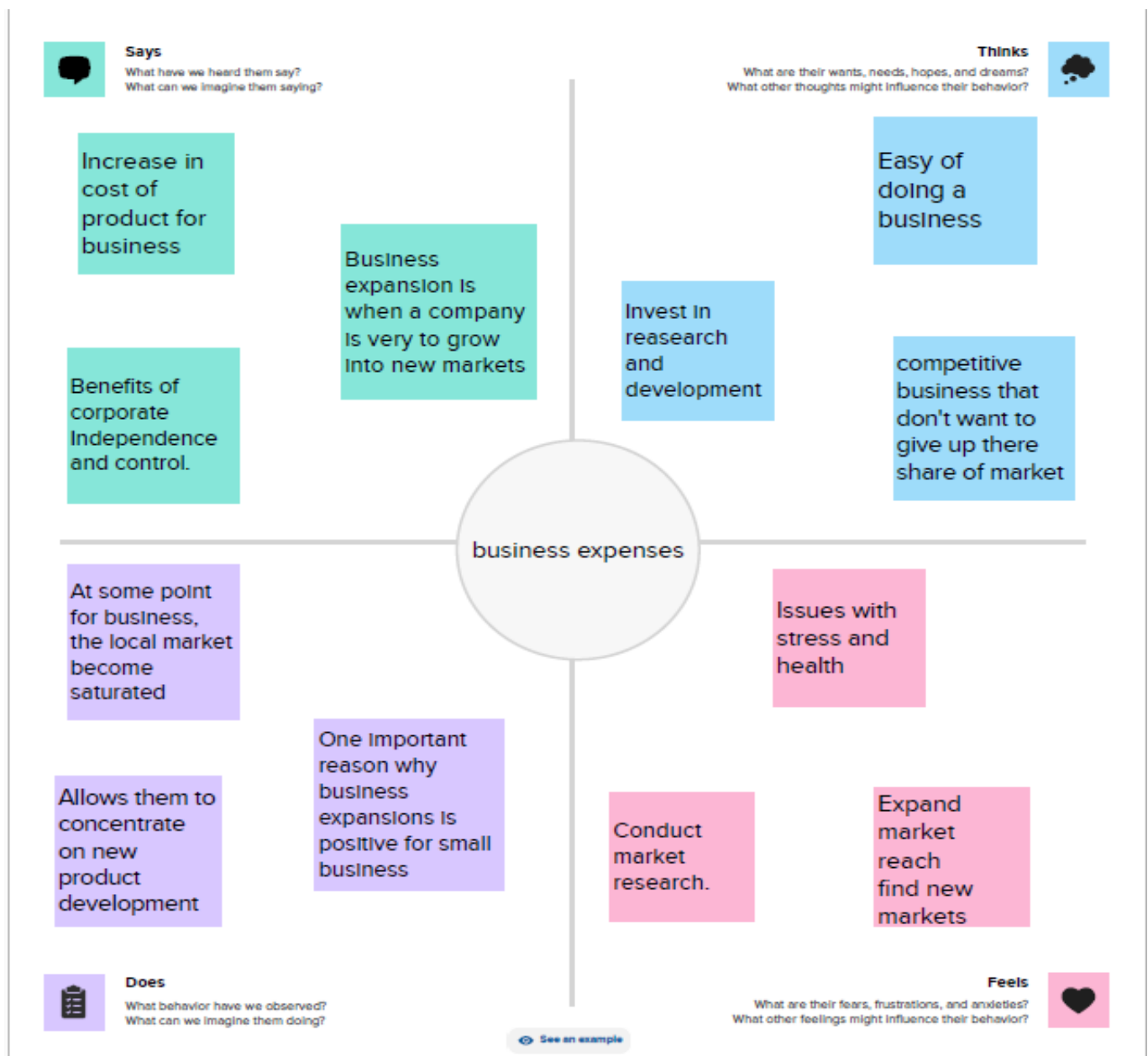
Also referred to as deductions, business expenses are the costs of operating a business. They're recorded on the income statement. These expenses will be subtracted from business revenue to show a company's net profit or loss and taxable income.

PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP


An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes. It is a useful tool to help teams better understand their users.

Creating effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.



2.2 IDEATION AND BRAINSTORMING

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.



Brainstorm & Idea prioritization

Use this template to your next brainstorming sessions or your own. Our creative ideas generation and our sharing template is what you're missing in the same place.

- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization

Before you brainstorm

Before you brainstorm, please take a moment to think about the problem you want to solve. This will help you to focus your ideas.

- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization

Define your problem statement

What problem are you trying to solve? What is the goal of your brainstorming session? What are the constraints of your problem?

- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization

Brainstorm

Brainstorming is a creative thinking process that involves generating a large number of ideas. It is a collaborative process that encourages everyone to contribute their ideas. The ideas are then prioritized based on their value and feasibility.

Brainstorm 1	Brainstorm 2	Brainstorm 3	Brainstorm 4
Brainstorm 1: The problem is that the business is not growing. The goal is to increase sales. The constraints are that the business has a limited budget and a limited number of employees.	Brainstorm 2: The problem is that the business is not growing. The goal is to increase sales. The constraints are that the business has a limited budget and a limited number of employees.	Brainstorm 3: The problem is that the business is not growing. The goal is to increase sales. The constraints are that the business has a limited budget and a limited number of employees.	Brainstorm 4: The problem is that the business is not growing. The goal is to increase sales. The constraints are that the business has a limited budget and a limited number of employees.

- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization


Group ideas

Now that you have a large number of ideas, it's time to group them. This will help you to identify the most important ideas and to eliminate the less important ones. The ideas are then prioritized based on their value and feasibility.

- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization

Prioritize

Now that you have a large number of ideas, it's time to prioritize them. This will help you to identify the most important ideas and to eliminate the less important ones. The ideas are then prioritized based on their value and feasibility.




- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization


After you brainstorm

Now that you have a large number of ideas, it's time to implement them. This will help you to identify the most important ideas and to eliminate the less important ones. The ideas are then prioritized based on their value and feasibility.


- 1. Brainstorming
- 2. Idea selection
- 3. Idea prioritization




Notepad and pencil icon



Calendar icon



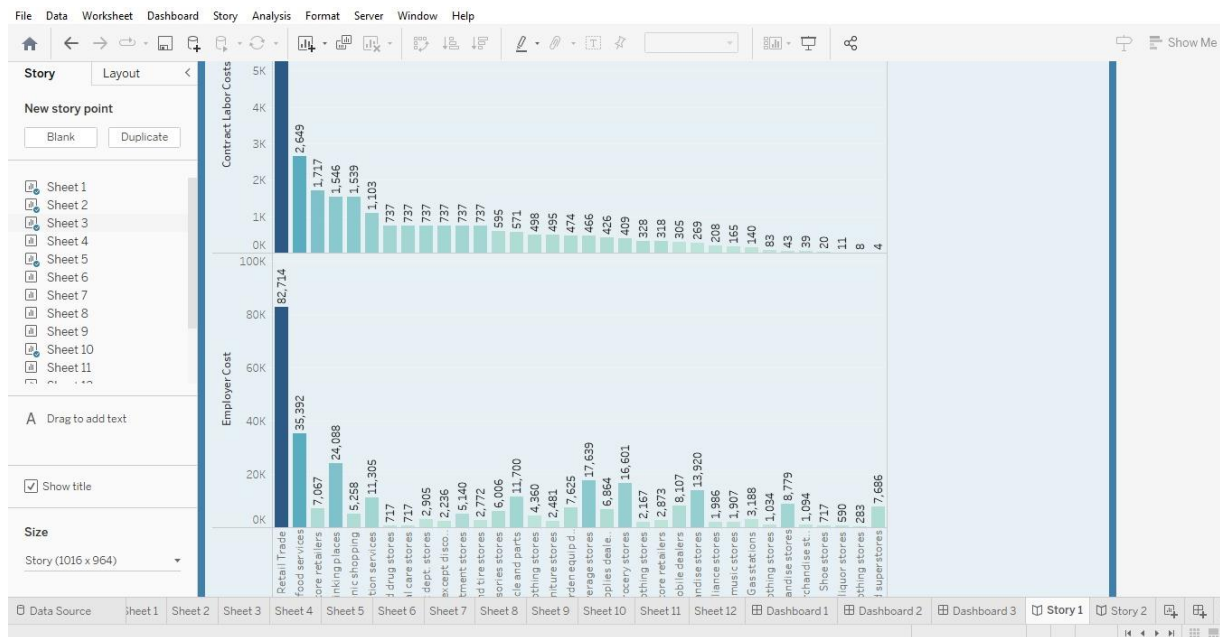
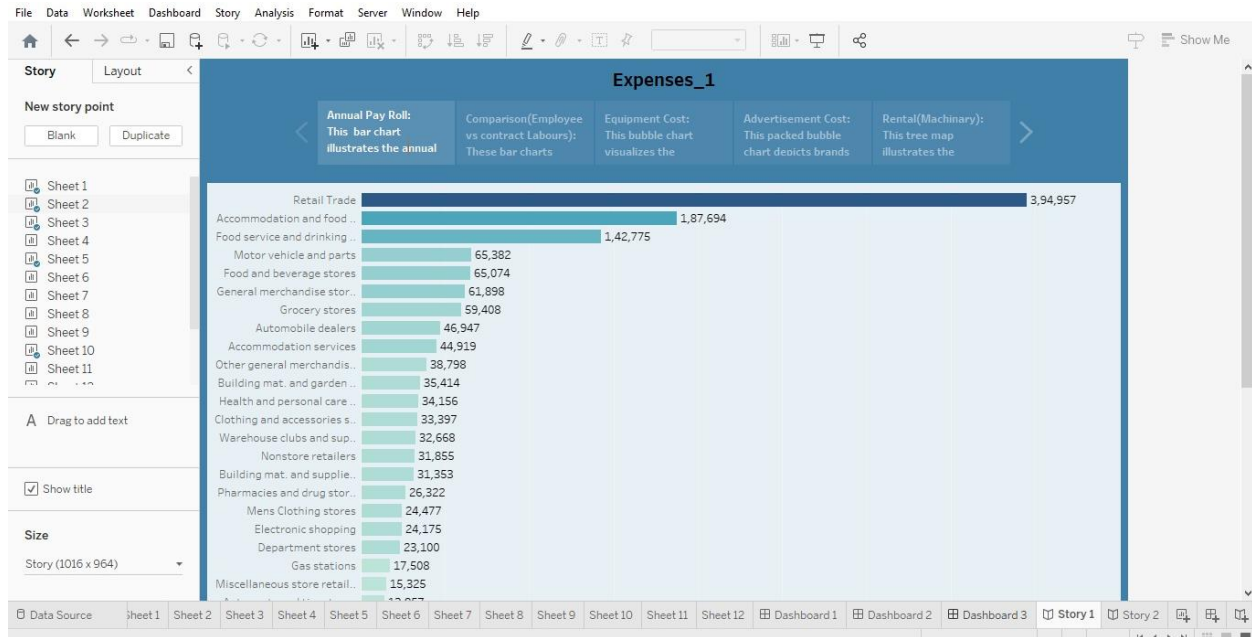
Lightbulb icon

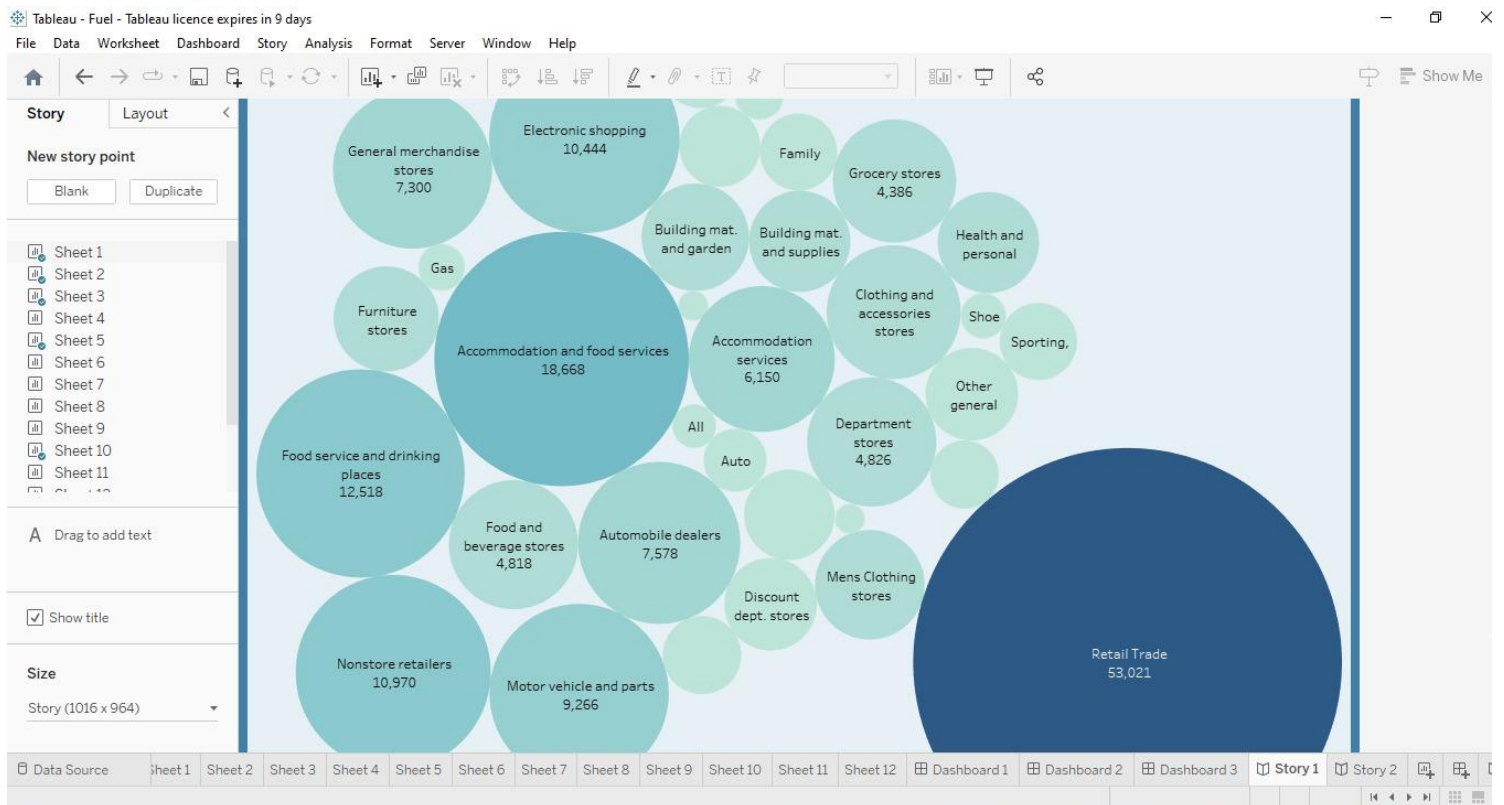
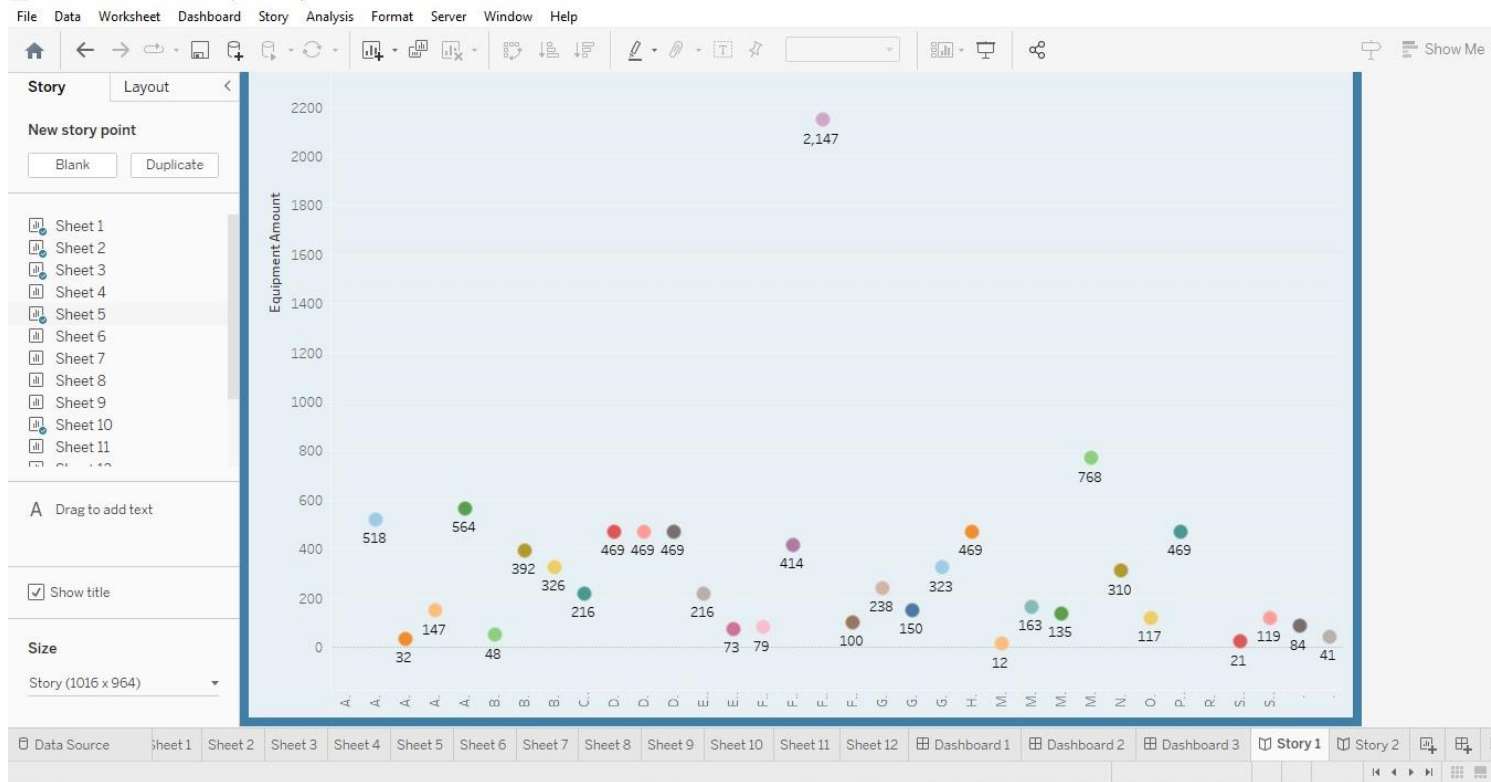


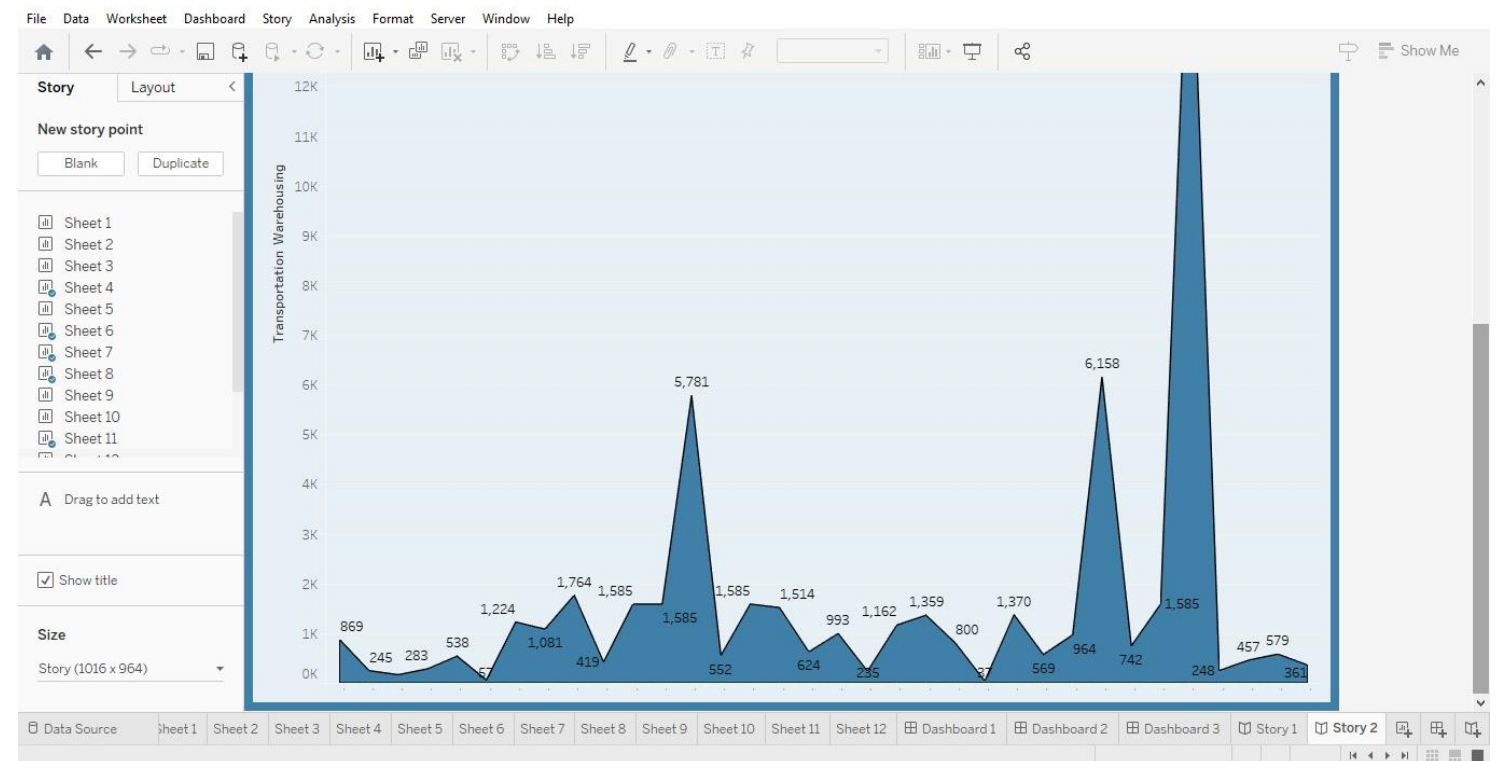
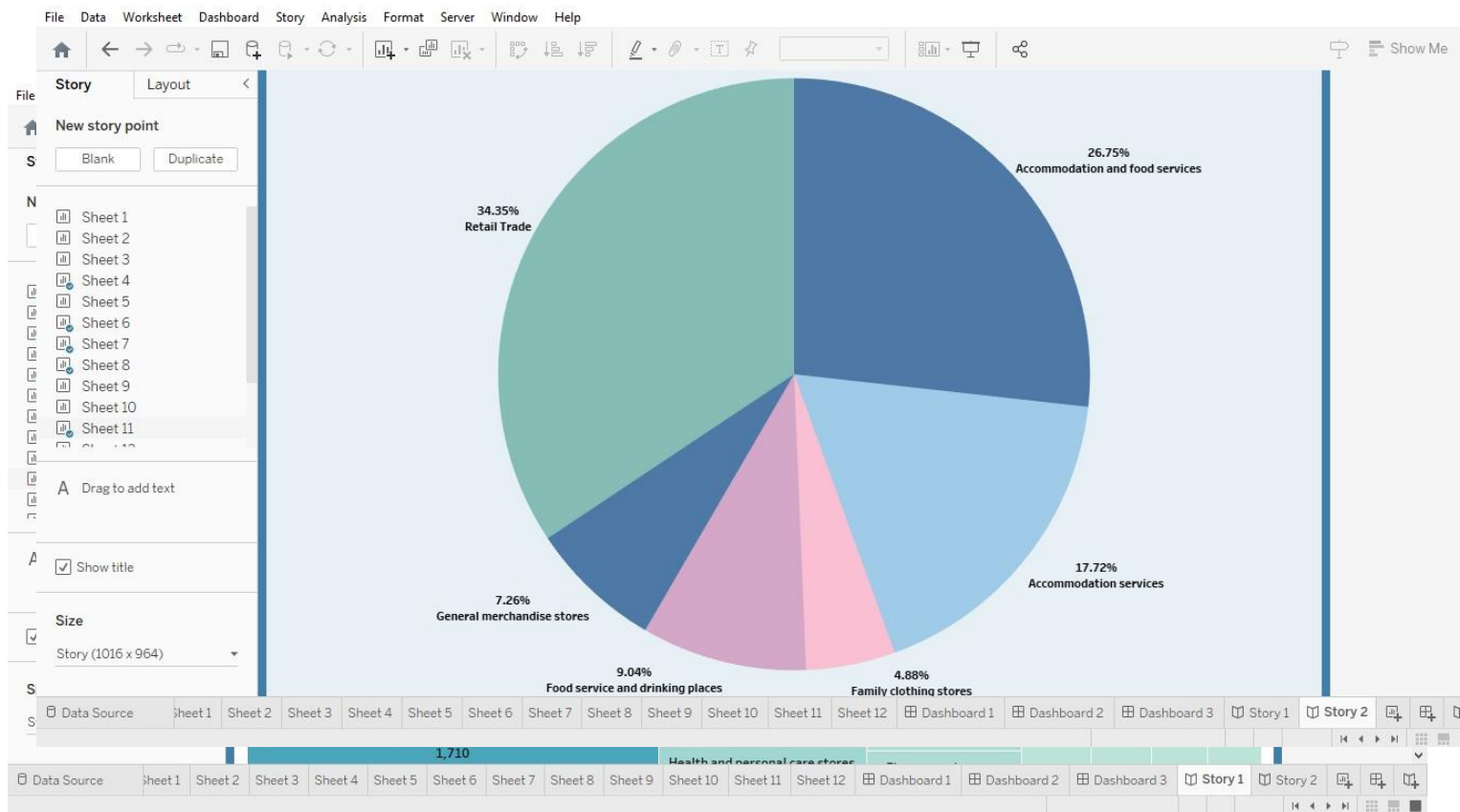
Bar chart icon

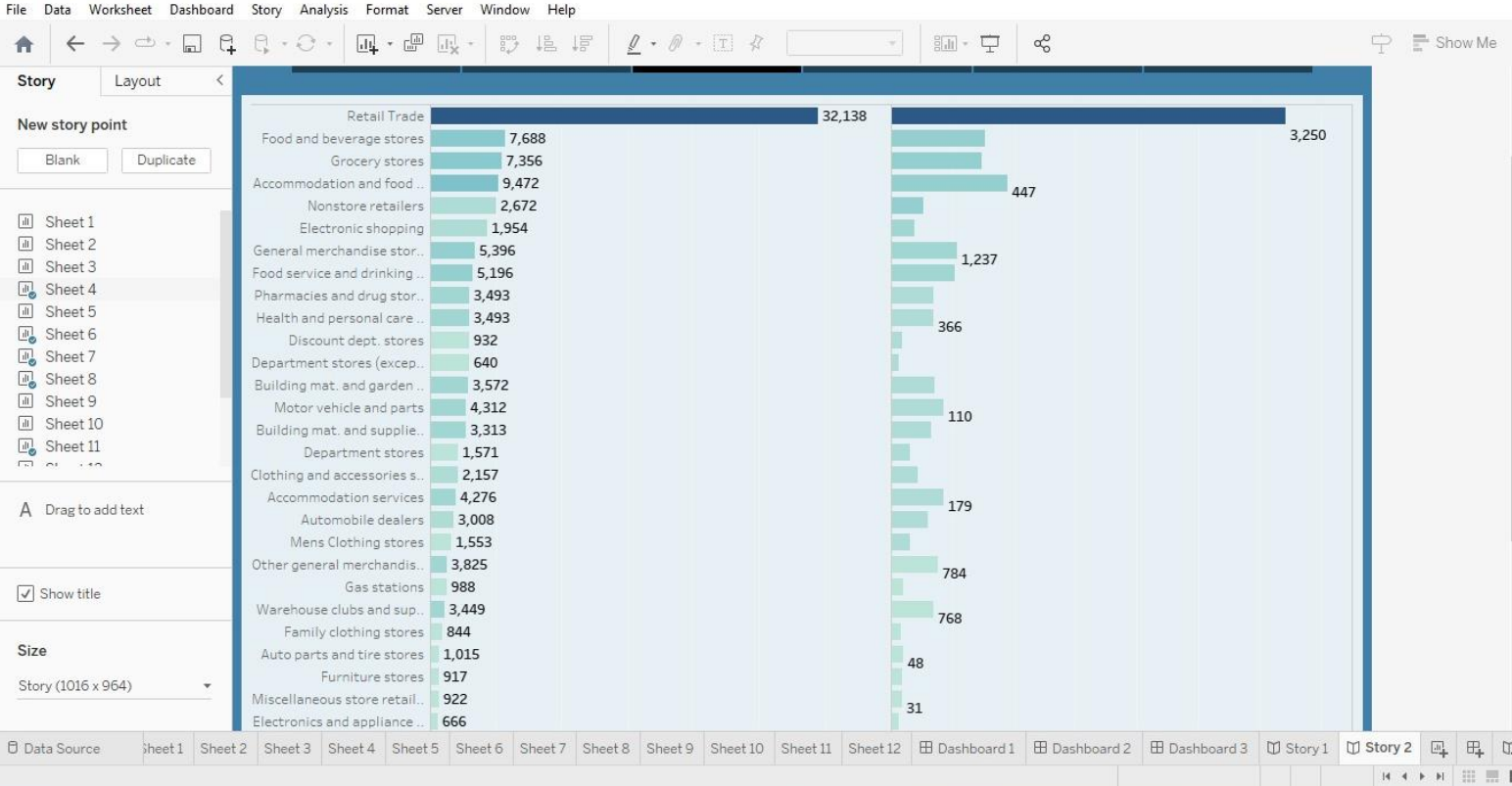
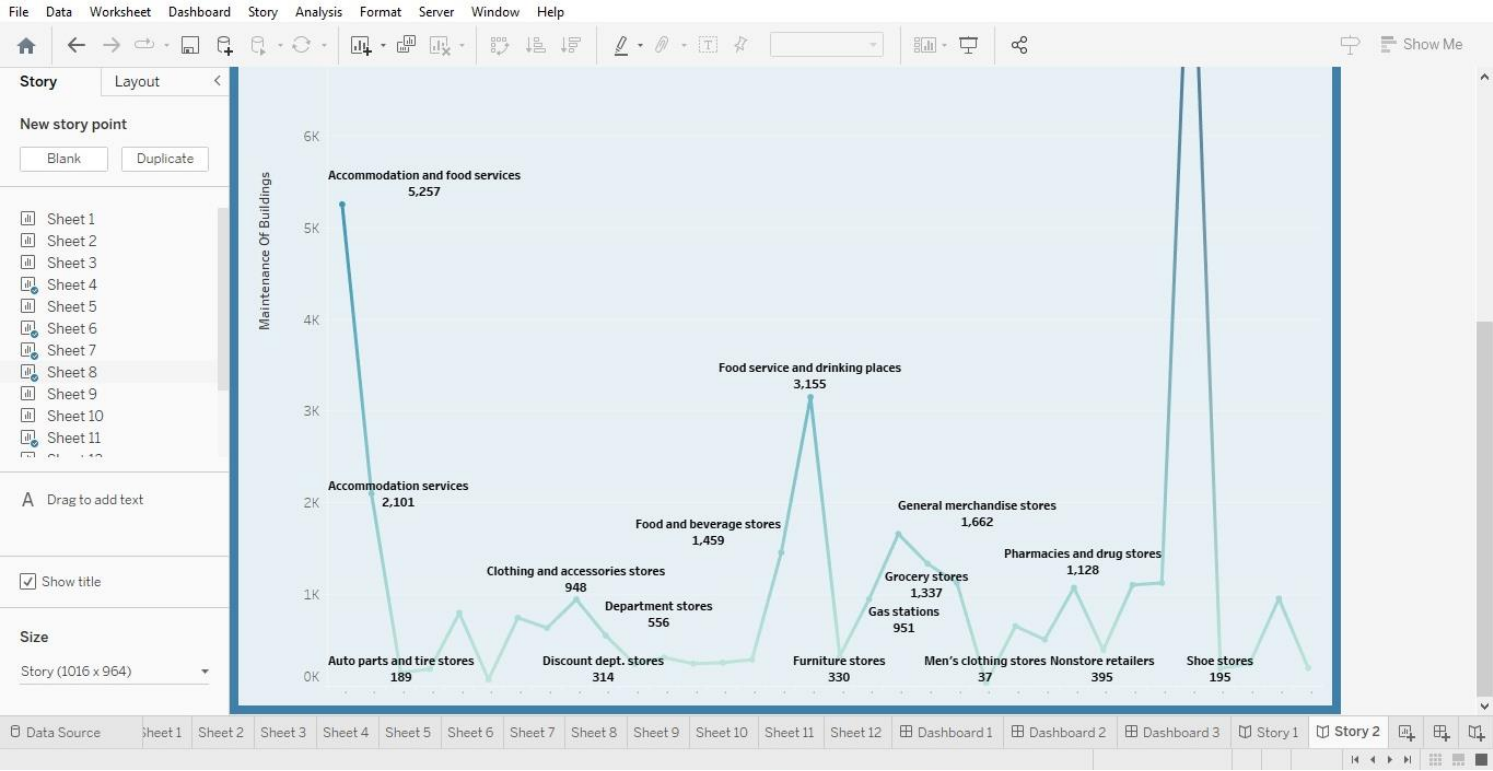
RESULT

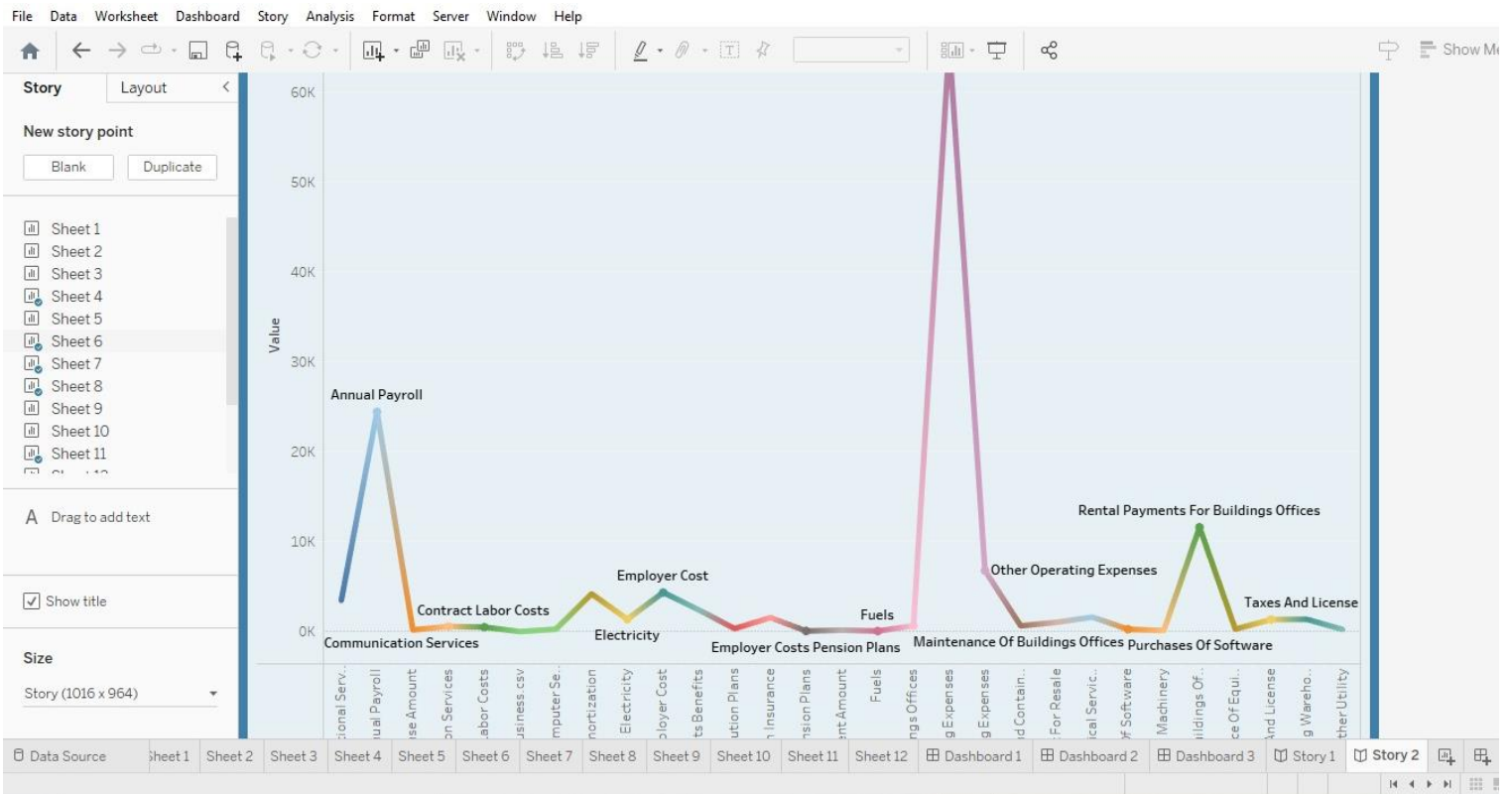
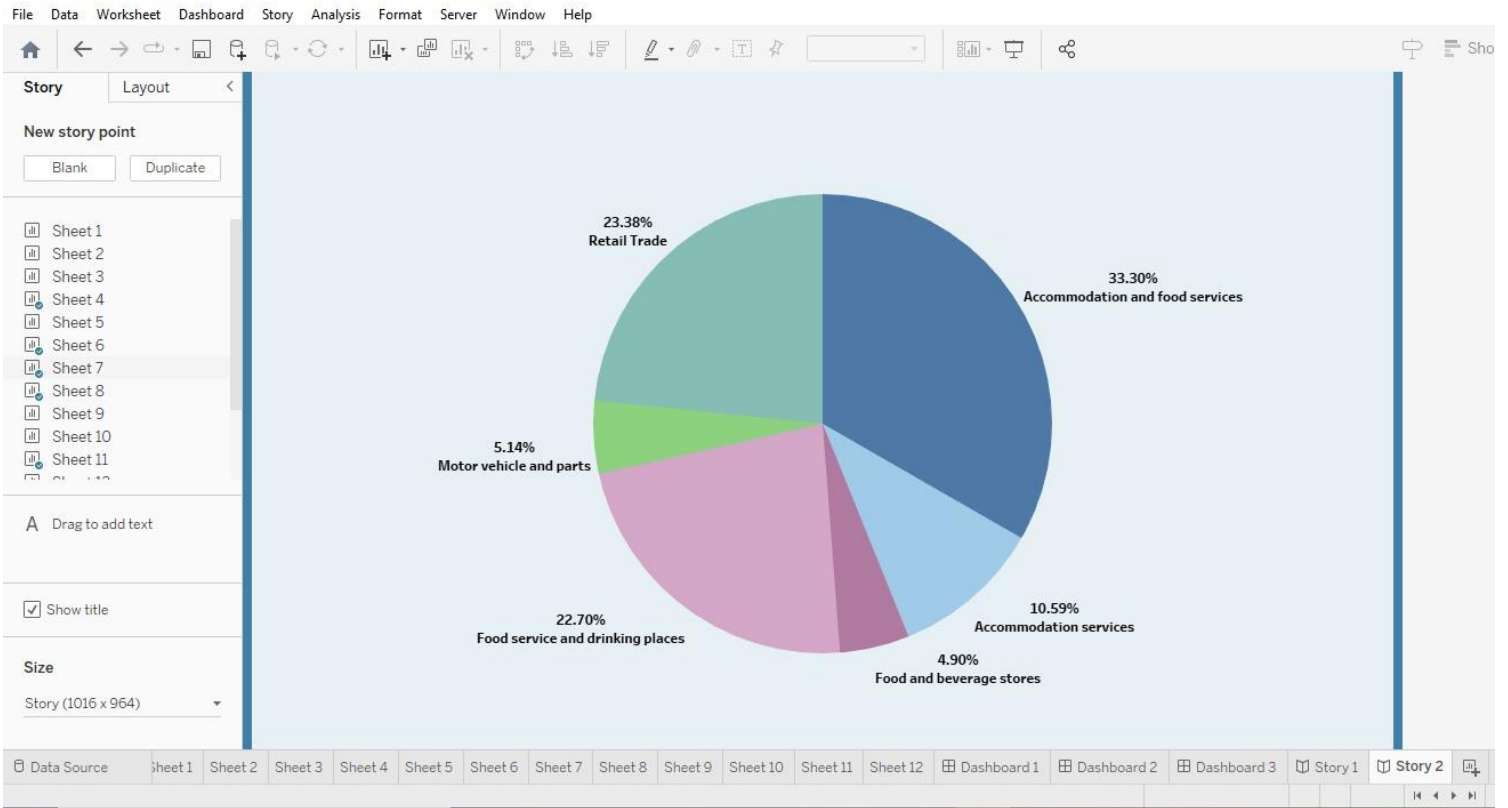
OUTPUTS











Advantages & Disadvantages

Advantages:

- 1. Financial Rewards.**
- 2. Helps the management make effective decisions**
- 3. Personal Satisfaction and Growth.**
- 4. Benefits of Corporate Independence and control.**
- 5. Mode of Living and Freedom.**

Disadvantages:

- 1. Financial Risk.**
- 2. Stress and Health Issue.**
- 3. Time Commitment.**
- 4. High Comprtition.**
- 5. Dealing with Stress.**

APPLICATIONS

- 1. Payroll (Employess and freelance help)**
- 2. Bank fees and interset**
- 3. Business vehicles**
- 4. Insurance Expenses**

CONCLUSION

In the Project We get, Business Expense estimation is an ongoing process that requires continuous improvement to become more accurate and effective over time.

FUTURE SCOPE

- 1. Digital technology can make business more efficient and profitable, but also smarter and more agile.**
- 2. The potential opportunities and projects in a particular field, industry or career.**
- 3. India's total manufacturing output, and the sector is expected to contribute over \$2 trillion to the indian economy.**

APPENDIX

A. SOURCE CODE

Estimation_ for _business_ expenses _data visualizations_ and _data analysis.pdf