Estimation Business Expenses

Overview

Analyzing business expenses is a critical task for any business. By understanding how money is being spent, businesses can identify areas where costs can be reduced, improve efficiency, and boost profits. Tableau software is a powerful data visualization tool that can be used to analyze business expense data in a variety of ways.

Purpose

The purpose of this project is to analyze business expenses using Tableau software. The analysis will focus on the following areas:

Identifying the largest categories of business expenses.

Identifying trends in business expenses over time.

Comparing business expenses across different departments and locations.

Identifying areas where costs can be reduced.

Problem Definition And Design Thinking

Empathy Map

Empathy map for Estimation of Business Expenses.

Says

What have we heard them say?
What can we imagine them saying?

- Accurate expense estimation is crucial for budget planning
- We need a reliable way to forecast future expenses
- It's challenging account for unexpected costs

Thinks

What are their wants, needs, hopes, and dreams?
What other thoughts might influence their behavior?

- Can we find a way to make expenses estimation more efficient?
- I hope this project will help us avoid budget overruns
- We need to consider various factors that influence expenses

Does

What behavior have we observed?
What can we imagine them doing?

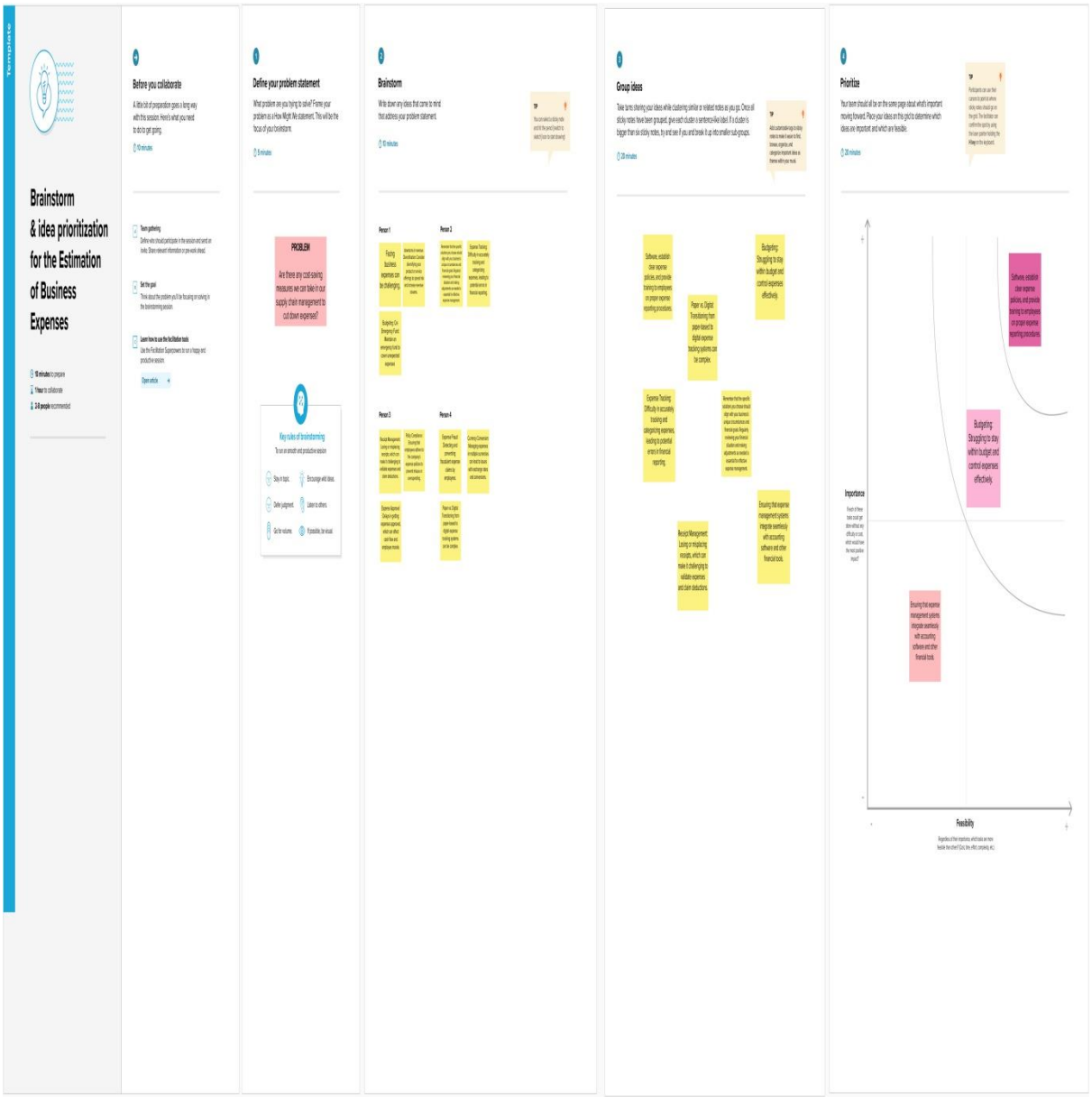
- Researchers historical expenses data
- Communicates with difference department for expenses insights
- Seeks tools or for more accurate expenses prediction

Feels

What are their fears, frustrations, and anxieties?
What other feelings might influence their behavior?

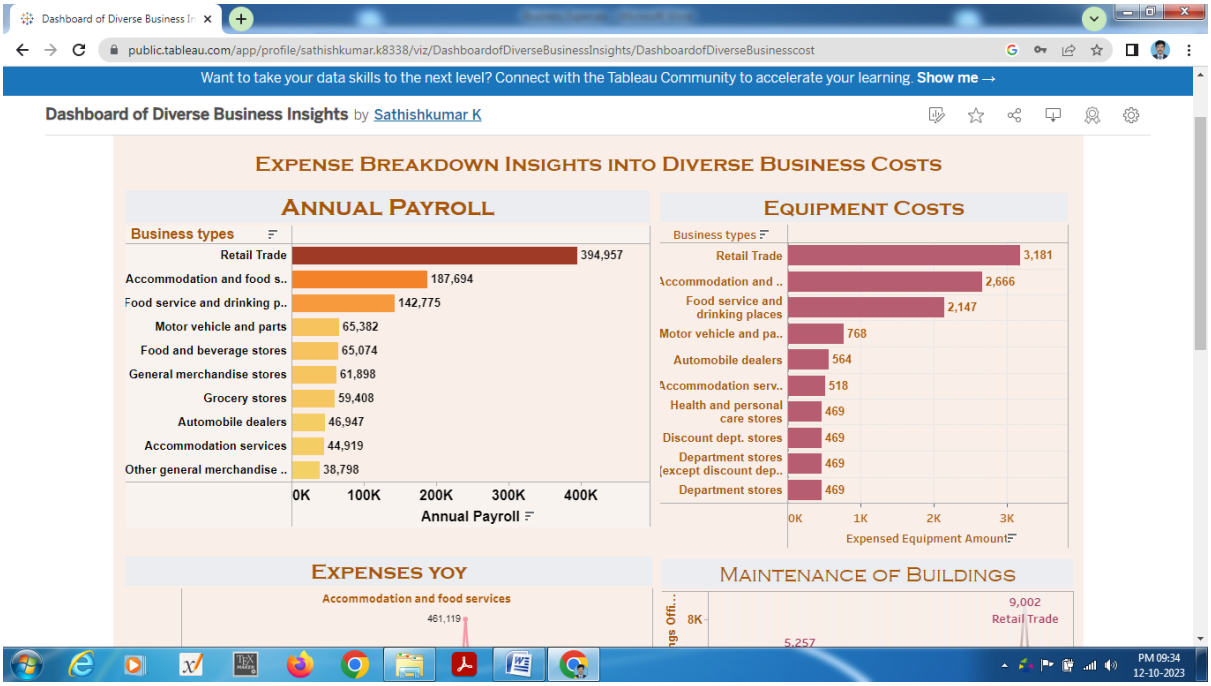
- Frustration when expenses exceed projection
- Anxious about expected financial surprises
- Concern about making informed financial decisions

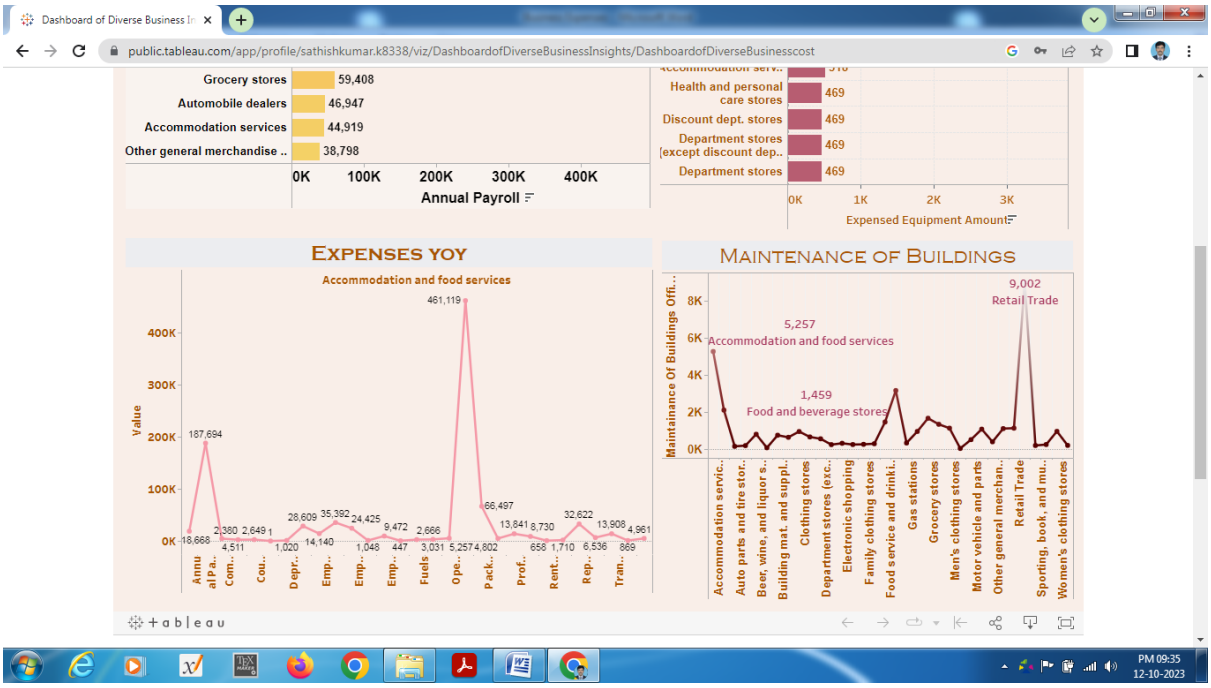
Ideation and Brainstorming Map

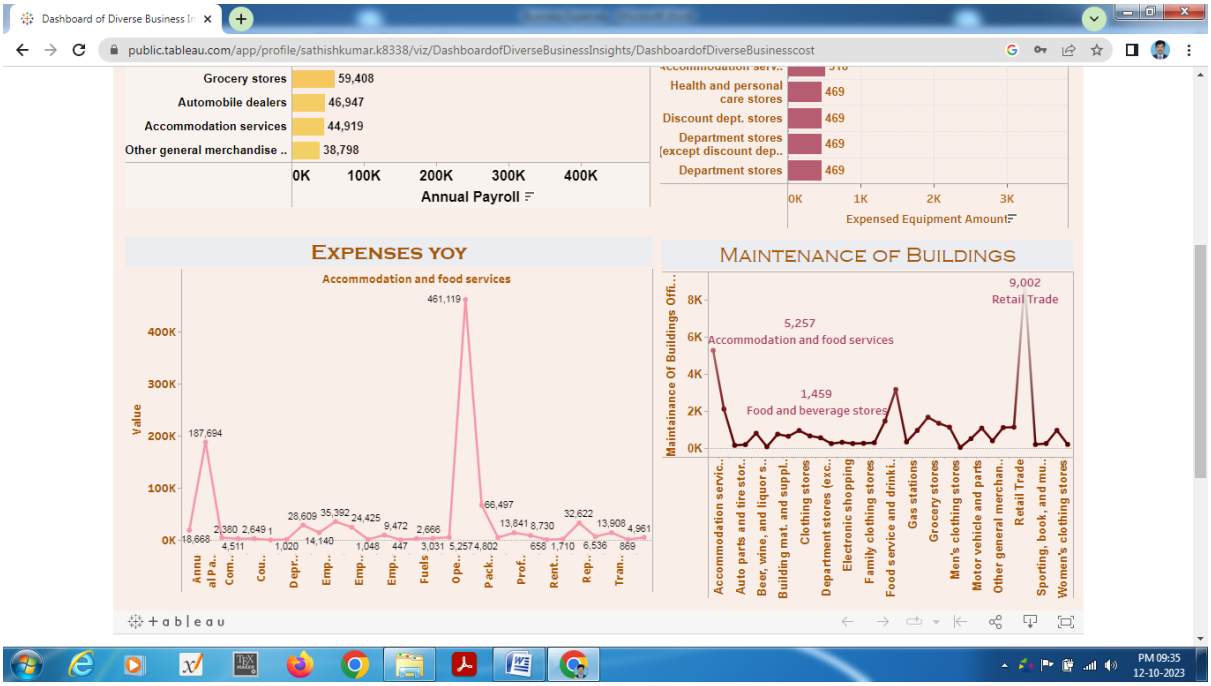


RESULT

DASHBOARD



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Grocery stores 59,408
Automobile dealers 46,947
Accommodation services 44,919
Other general merchandise .. 38,798
0K 100K 200K 300K 400K
Annual Payroll
Health and personal care stores 469
Discount dept. stores 469
Department stores (except discount dep.. 469
Department stores 469
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Expensed Equipment Amount
EXPENSES YOY
Accommodation and food services
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187,694
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Accommodation and food services
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Food and beverage stores
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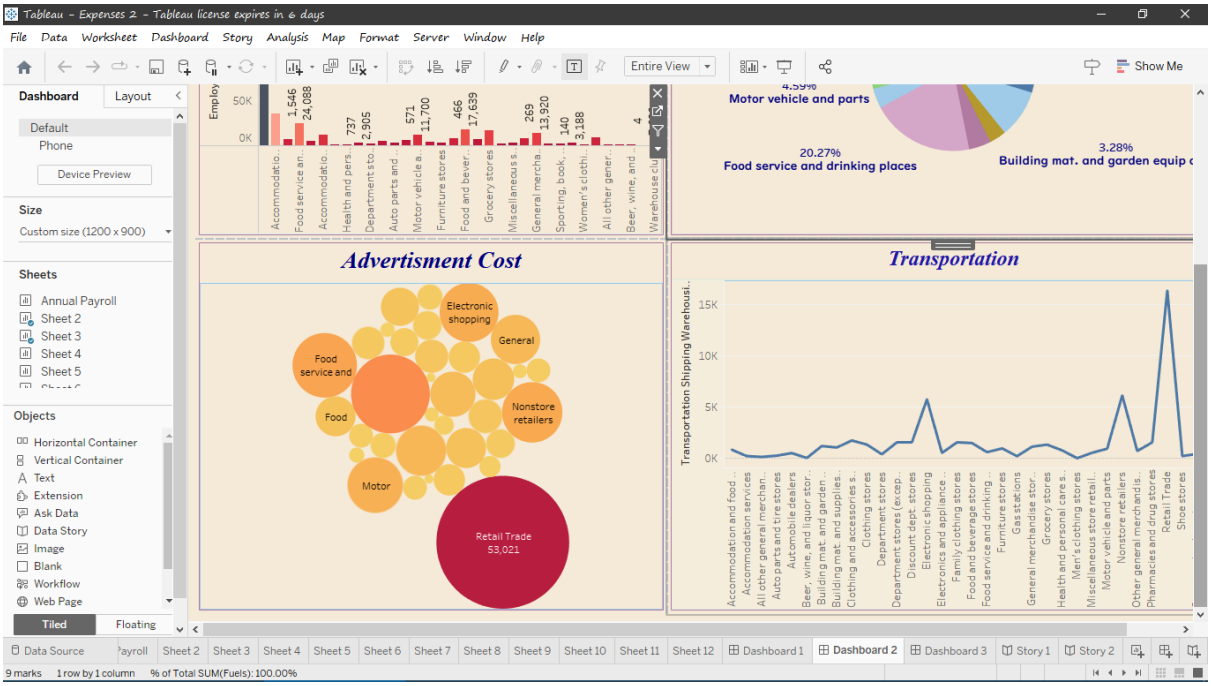
Tableau - Expenses 2 - Tableau license expires in 6 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Custom size (1200 x 900)
Sheets
Annual Payroll
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Objects
Horizontal Container
Vertical Container
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Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Tiled
Floating
Motor vehicle and parts
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Food service and drinking places
3.28%
Building mat. and garden equip
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Electronic shopping
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Food service and
Food
Nonstore retailers
Motor
Retail Trade
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Dashboard 1
Dashboard 2
Dashboard 3
Story 1
Story 2
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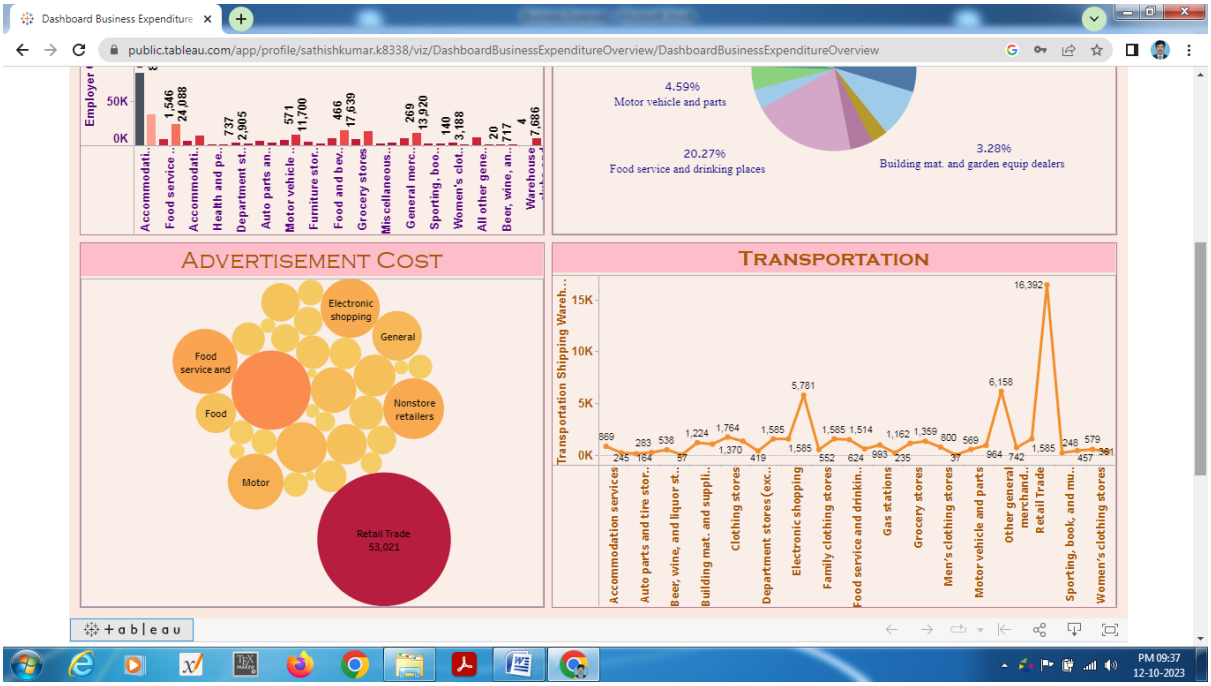
Dashboard Business Expenditure
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4.59%
Motor vehicle and parts
20.27%
Food service and drinking places
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Building mat. and garden equip dealers
ADVERTISEMENT COST
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Department stores (exc..
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Food service and drinkin..
Gas stations
Grocery stores
Men's clothing stores
Motor vehicle and parts
Other general merchand..
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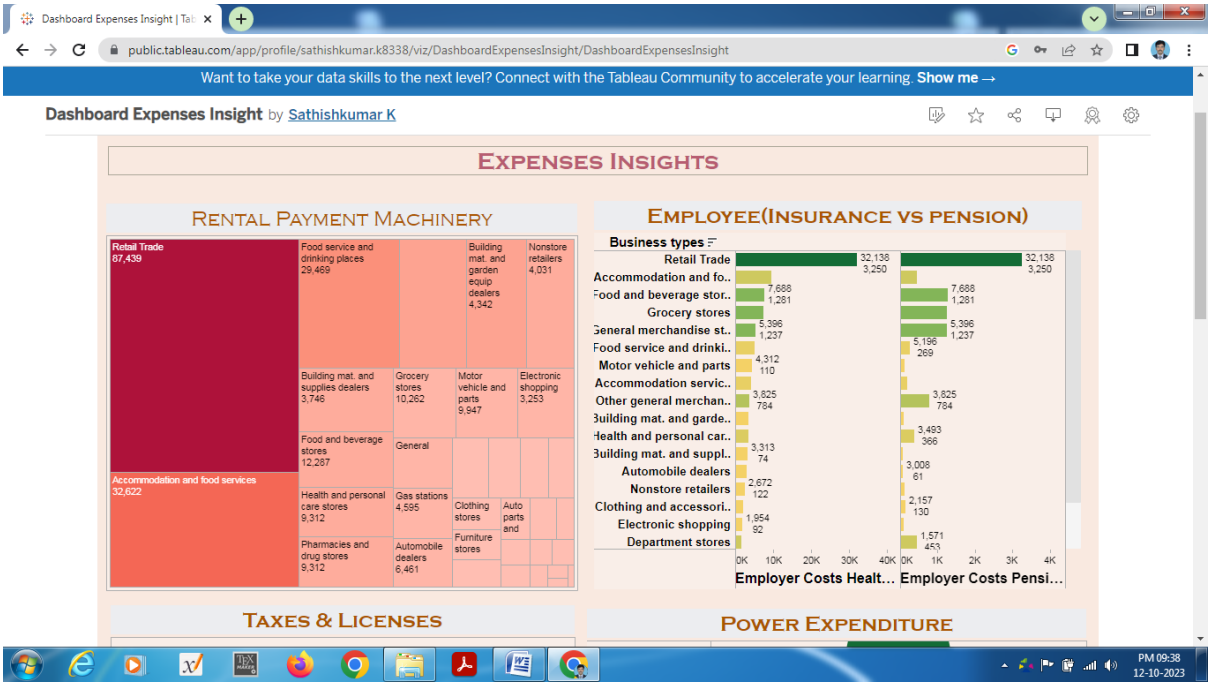
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EXPENSES INSIGHTS
RENTAL PAYMENT MACHINERY
Retail Trade
87,439
Food service and drinking places
29,469
Building mat. and garden equip dealers
4,342
Nonstore retailers
4,031
Accommodation and food services
32,622
Building mat. and supplies dealers
3,746
Grocery stores
10,262
Motor vehicle and parts
9,947
Electronic shopping
3,253
Food and beverage stores
12,287
General
Health and personal care stores
9,312
Gas stations
4,595
Clothing stores
Auto parts and
Furniture stores
Pharmacies and drug stores
9,312
Automobile dealers
6,461
EMPLOYEE(INSURANCE VS PENSION)
Business types
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Food and beverage stor..
Grocery stores
General merchandise st..
Food service and drinki..
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Nonstore retailers
Clothing and accessori..
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Employer Costs Healt...
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TAXES & LICENSES
POWER EXPENDITURE
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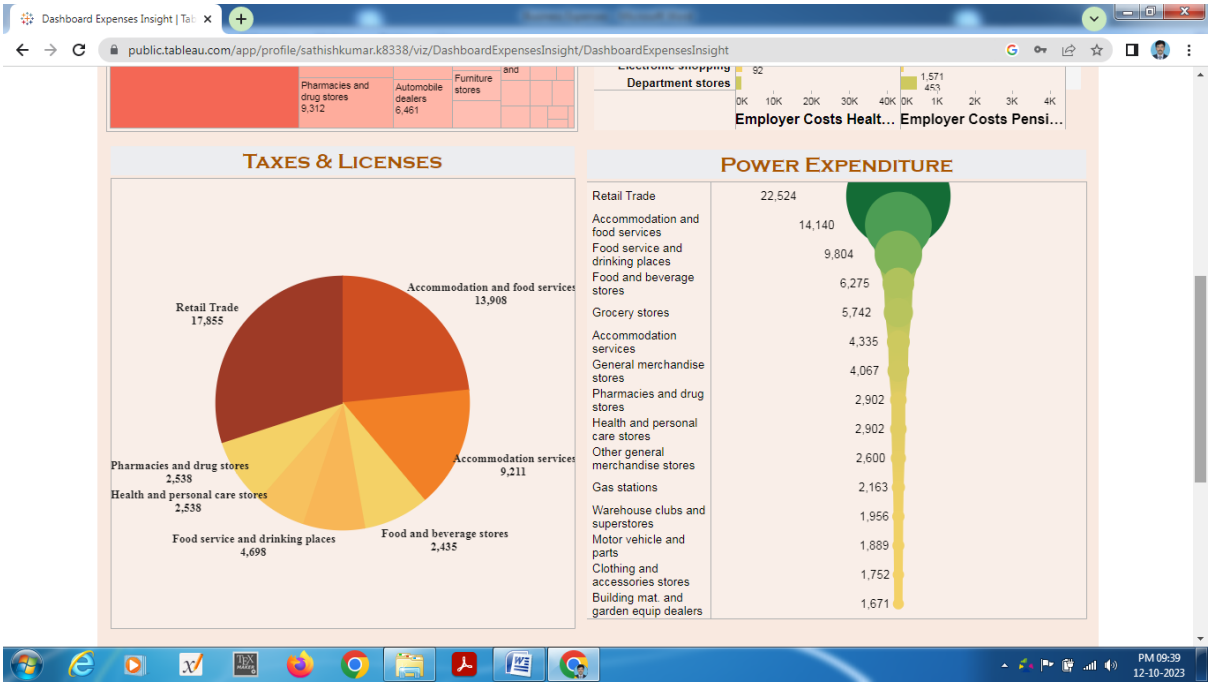
12-10-2023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Pharmacies and drug stores 9,312
Automobile dealers 6,461
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TAXES & LICENSES
Retail Trade 17,855
Accommodation and food services 13,908
Accommodation services 9,211
Food and beverage stores 2,435
Food service and drinking places 4,698
Pharmacies and drug stores 2,538
Health and personal care stores 2,538
POWER EXPENDITURE
Retail Trade 22,524
Accommodation and food services 14,140
Food service and drinking places 9,804
Food and beverage stores 6,275
Grocery stores 5,742
Accommodation services 4,335
General merchandise stores 4,067
Pharmacies and drug stores 2,902
Health and personal care stores 2,902
Other general merchandise stores 2,600
Gas stations 2,163
Warehouse clubs and superstores 1,956
Motor vehicle and parts 1,889
Clothing and accessories stores 1,752
Building mat. and garden equip dealers 1,671
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STORY

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EXPENSES 1
Annual pay Roll . This is bar chart.
Comparision (Contract Labour vs Employee)
Equipment Cost .this is bubble Chart.
Advertisment Cost.This pakked bubble Chart.
Rental payment Machinary. This is Tree map.
Business types
Retail Trade 394,957
Accommodation and food s.. 187,694
Food service and drinking p.. 142,775
Motor vehicle and parts 65,382
Food and beverage stores 65,074
General merchandise stores 61,898
Grocery stores 59,408
Automobile dealers 46,947
Accommodation services 44,919
Other general merchandise .. 38,798
0K 50K 100K 150K 200K 250K 300K 350K 400K 450K
Annual Payroll
Annual Payroll
38,798 394,957
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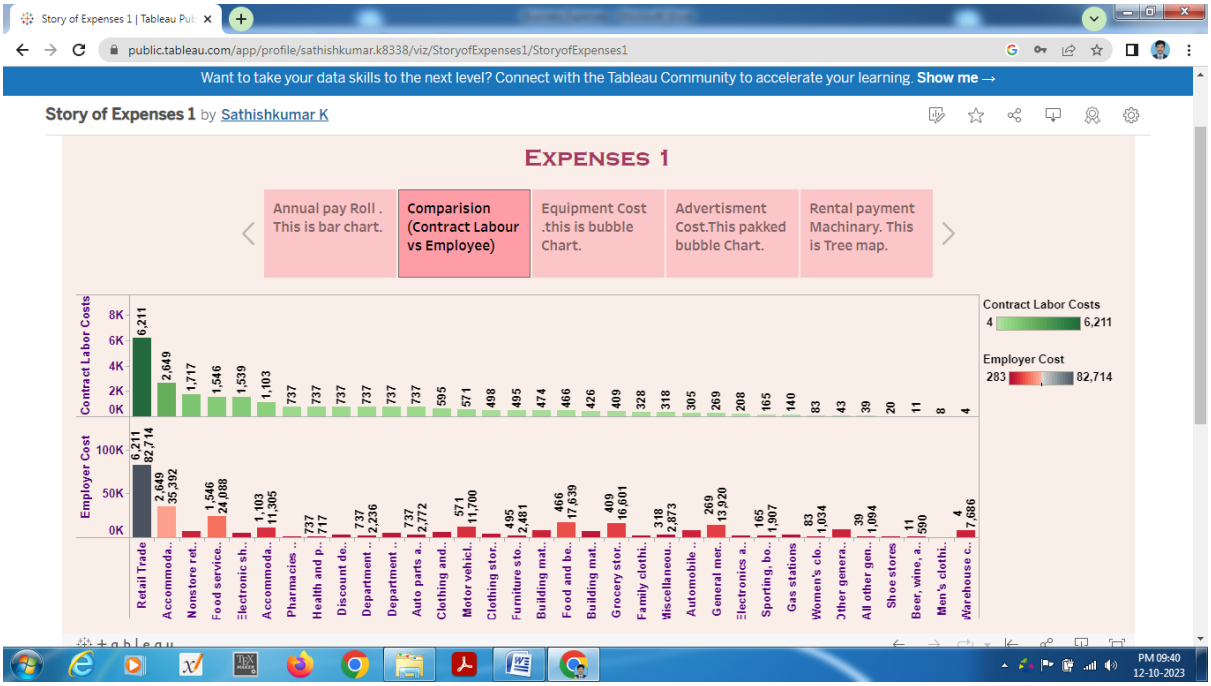
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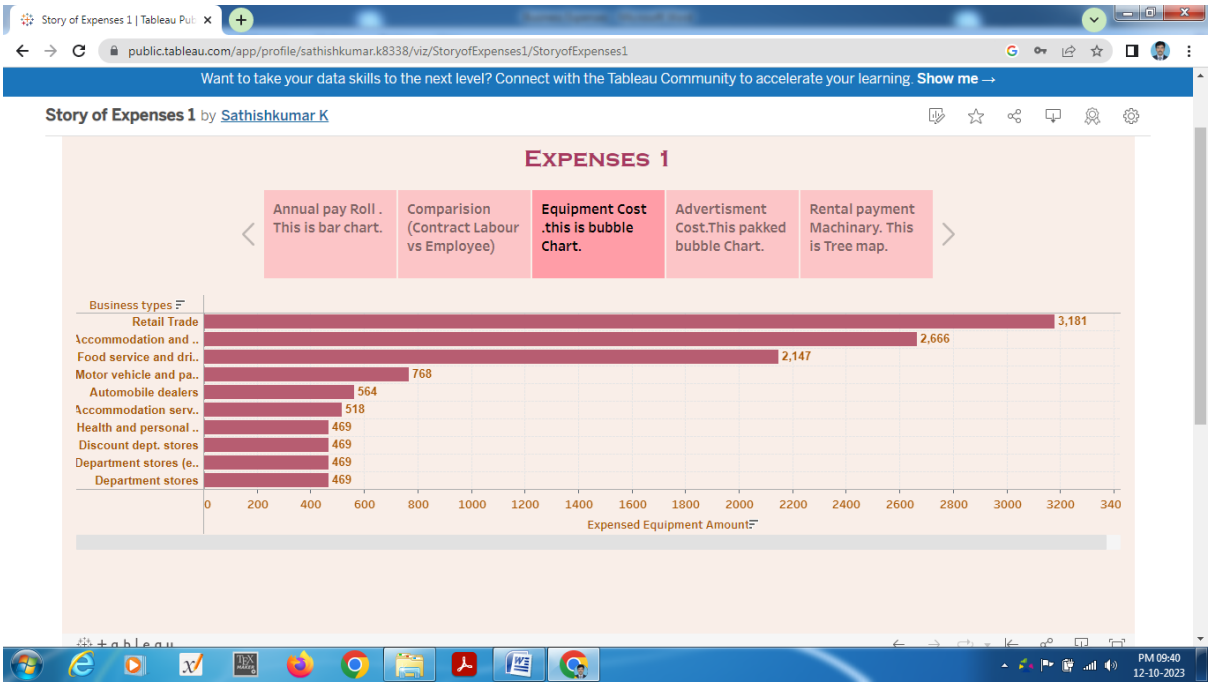
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Business types
Retail Trade 3,181
Accommodation and .. 2,666
Food service and dri.. 2,147
Motor vehicle and pa.. 768
Automobile dealers 564
Accommodation serv.. 518
Health and personal .. 469
Discount dept. stores 469
Department stores (e.. 469
Department stores 469
Expensed Equipment Amount
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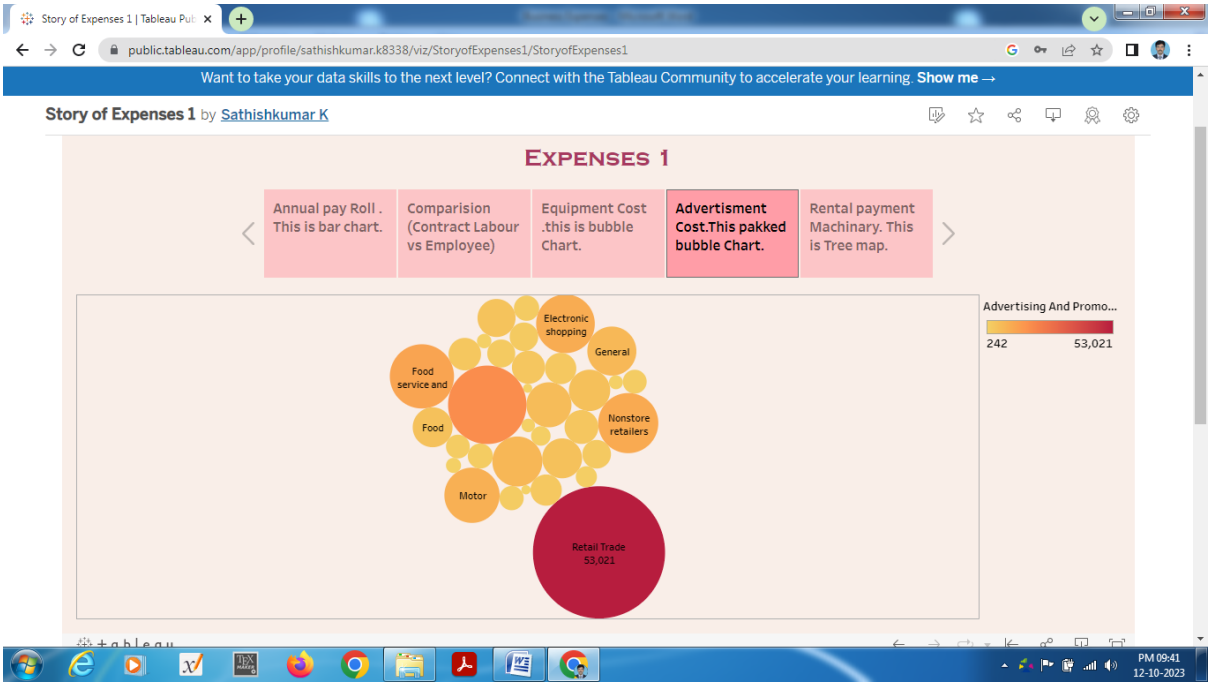
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Equipment Cost .this is bubble Chart.
Advertisment Cost.This pakked bubble Chart.
Rental payment Machinary. This is Tree map.
Electronic shopping
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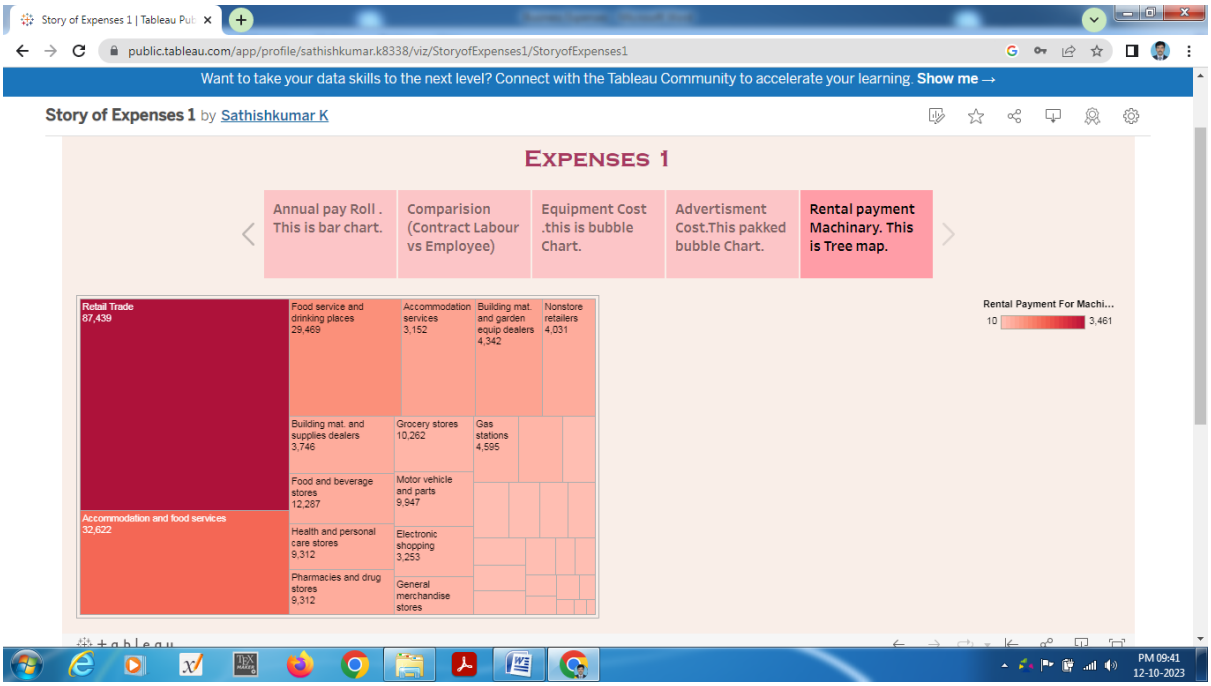
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Rental payment Machinary. This is Tree map.
Retail Trade 87,439
Food service and drinking places 29,469
Accommodation services 3,152
Building mat. and garden equip dealers 4,342
Nonstore retailers 4,031
Building mat. and supplies dealers 3,746
Grocery stores 10,262
Gas stations 4,595
Food and beverage stores 12,287
Motor vehicle and parts 9,947
Accommodation and food services 32,822
Health and personal care stores 9,312
Electronic shopping 3,253
Pharmacies and drug stores 9,312
General merchandise stores
Rental Payment For Machi...
10
3,461
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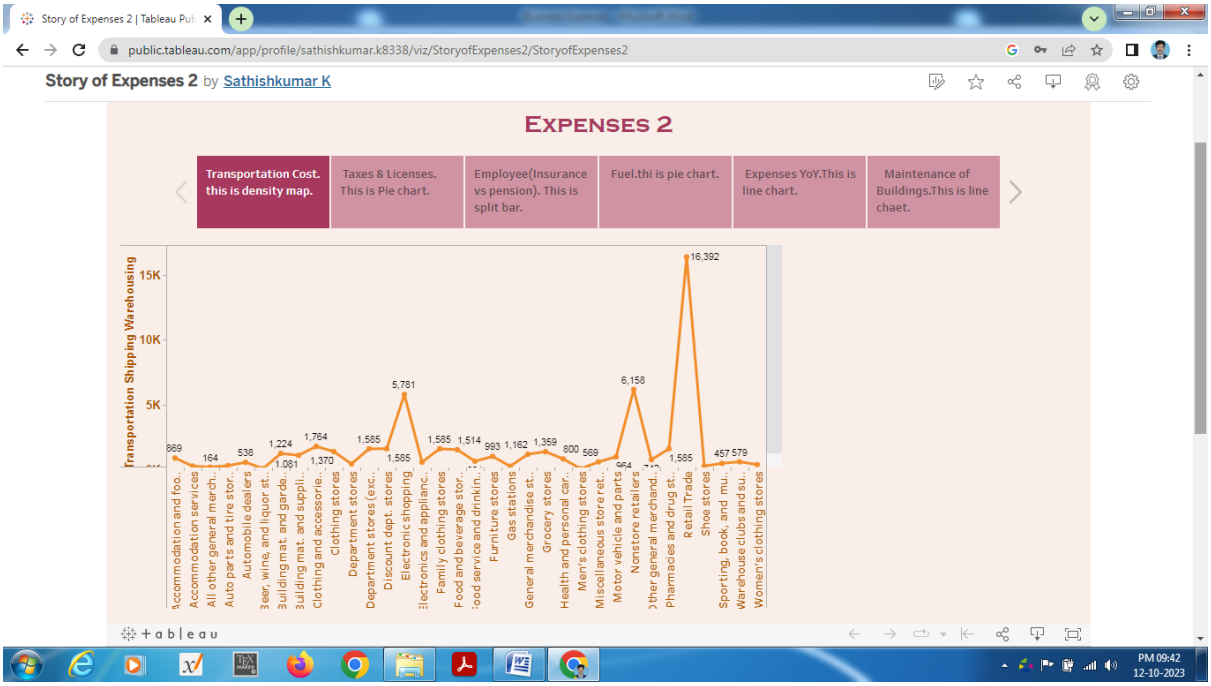
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EXPENSES 2
Transportation Cost. this is density map.
Taxes & Licenses. This is Pie chart.
Employee(Insurance vs pension). This is split bar.
Fuel.thi is pie chart.
Expenses YoY.This is line chart.
Maintenance of Buildings.This is line chaet.
Transportation Shipping Warehousing
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1,764
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Accommodation and foo..
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Food service and drinkin..
Furniture stores
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Grocery stores
Health and personal car..
Men's clothing stores
Miscellaneous store ret..
Motor vehicle and parts
Nonstore retailers
Other general merchand..
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Retail Trade
Shoe stores
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Women's clothing stores
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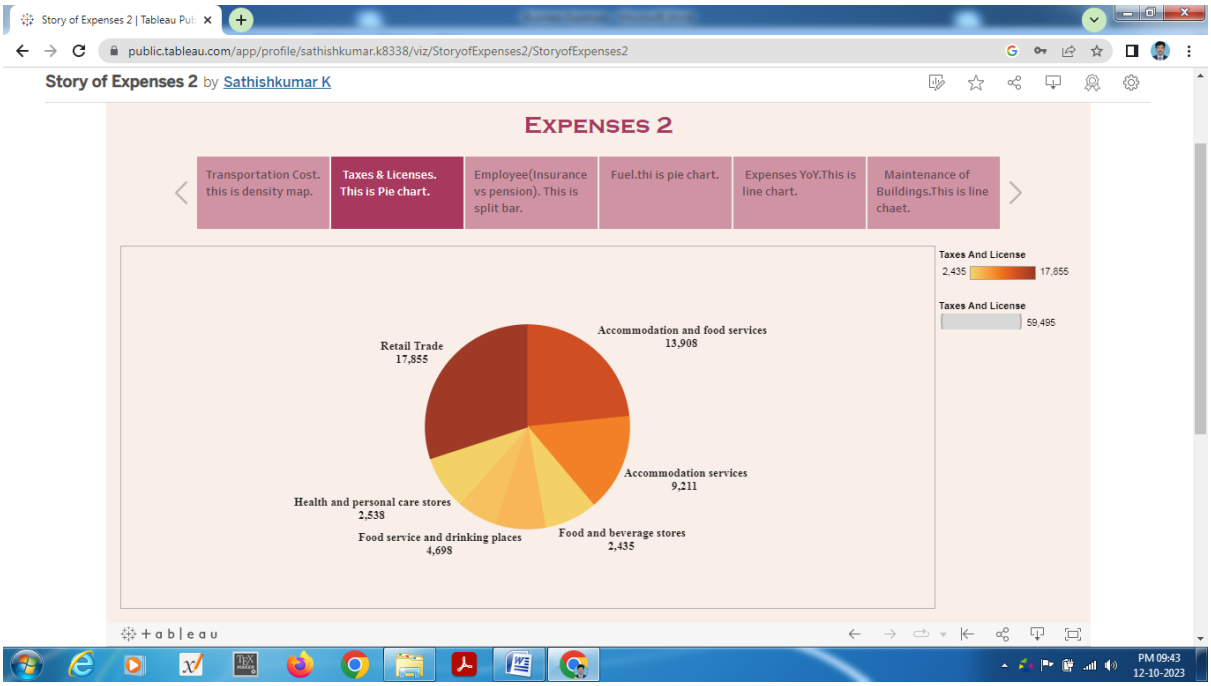
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EXPENSES 2
Transportation Cost. this is density map.
Taxes & Licenses. This is Pie chart.
Employee(Insurance vs pension). This is split bar.
Fuel.thi is pie chart.
Expenses YoY.This is line chart.
Maintenance of Buildings.This is line chaet.
Taxes And License
2,435
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Taxes And License
59,495
Retail Trade
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Accommodation and food services
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Accommodation services
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Food and beverage stores
2,435
Food service and drinking places
4,698
Health and personal care stores
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PM 09:43
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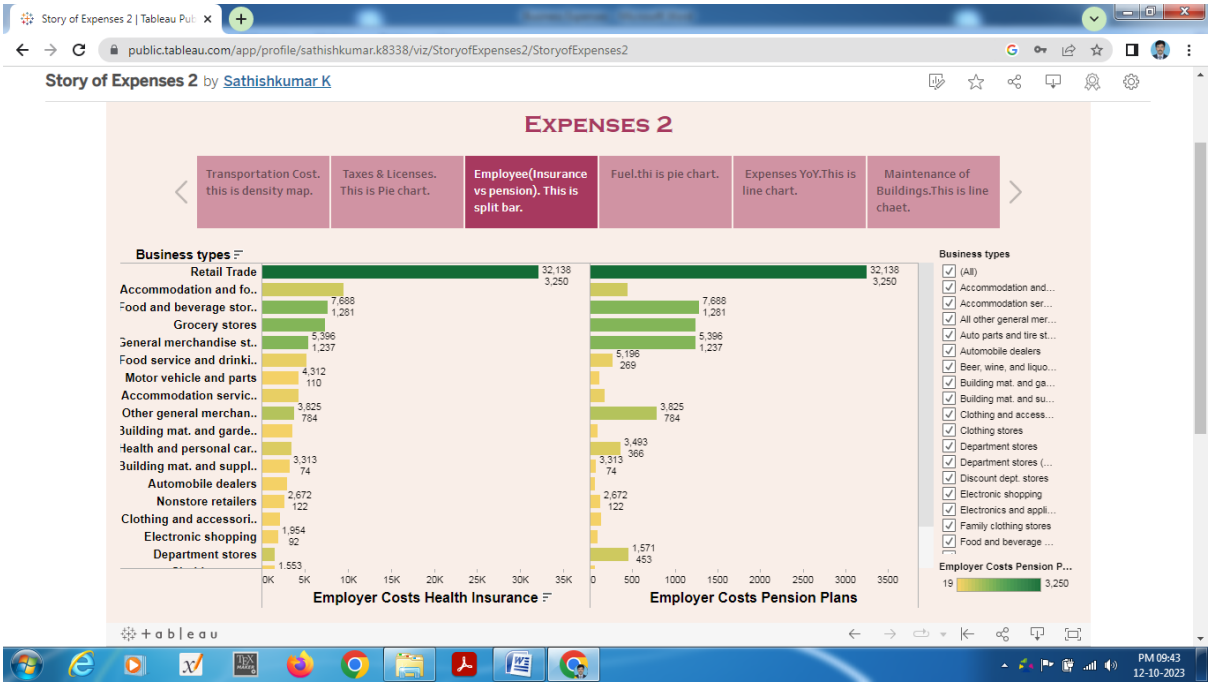
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Transportation Cost. this is density map.
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Nonstore retailers
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Electronic shopping
Department stores
Employer Costs Health Insurance
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Electronic shopping
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Family clothing stores
Food and beverage ...
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19
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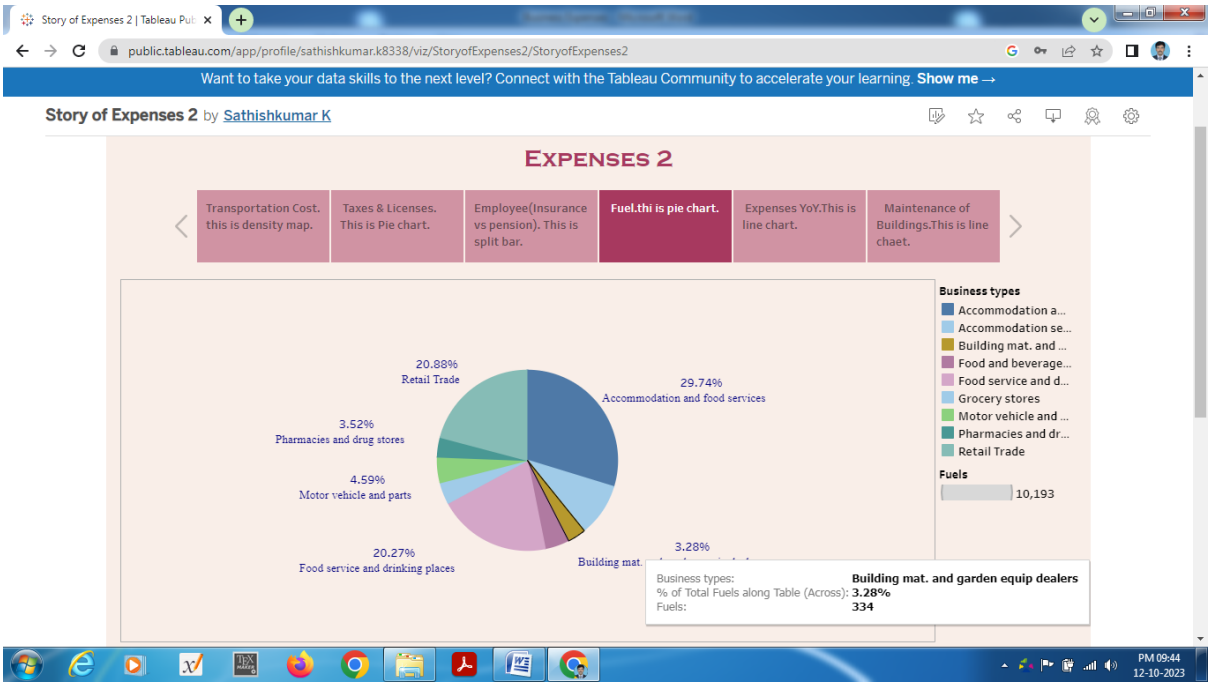
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Taxes & Licenses. This is Pie chart.
Employee(Insurance vs pension). This is split bar.
Fuel.thi is pie chart.
Expenses YoY.This is line chart.
Maintenance of Buildings.This is line chaet.
20.88%
Retail Trade
29.74%
Accommodation and food services
3.52%
Pharmacies and drug stores
4.59%
Motor vehicle and parts
20.27%
Food service and drinking places
3.28%
Building mat.
Business types
Accommodation a...
Accommodation se...
Building mat. and ...
Food and beverage...
Food service and d...
Grocery stores
Motor vehicle and ...
Pharmacies and dr...
Retail Trade
Fuels
10,193
Business types: Building mat. and garden equip dealers
% of Total Fuels along Table (Across): 3.28%
Fuels: 334
PM 09:44
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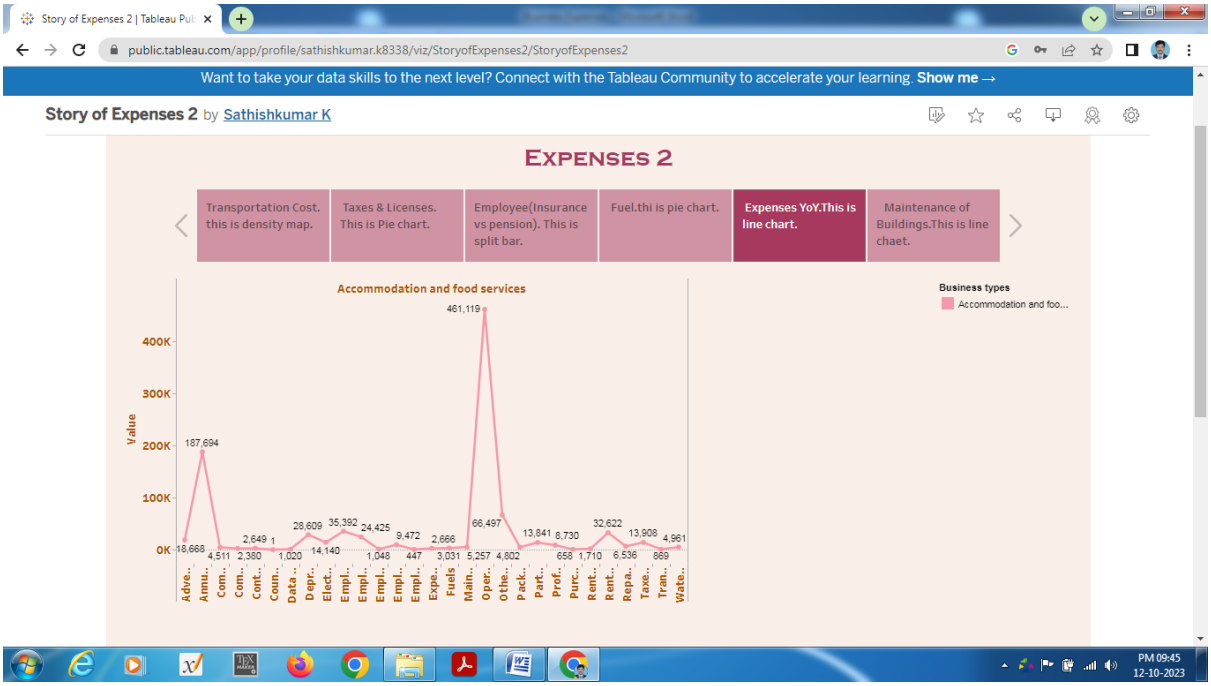
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Fuel.thi is pie chart.
Expenses YoY.This is line chart.
Maintenance of Buildings.This is line chaet.
Accommodation and food services
Business types
Accommodation and foo...
Value
400K
300K
200K
100K
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28,609
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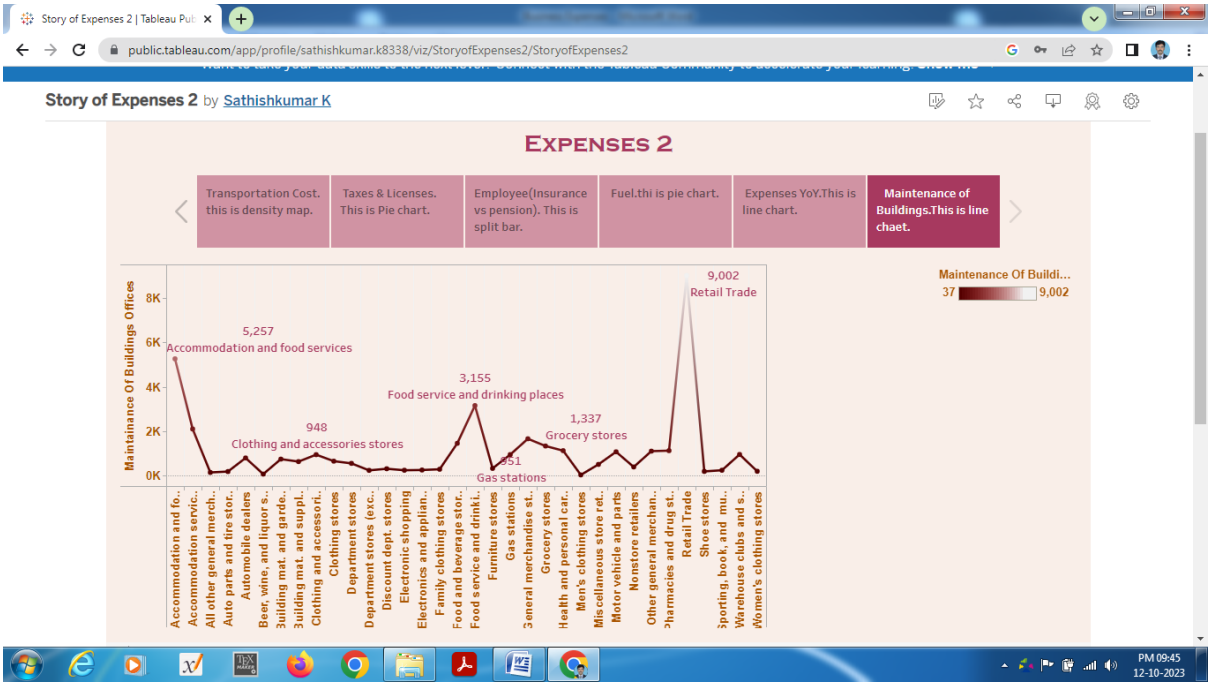
24,425
1,048
9,472
447
2,666
3,031
5,257
66,497
4,802
13,841
8,730
658
1,710
32,622
6,536
13,908
869
4,961
PM 09:45
12-10-2023


Story of Expenses 2 | Tableau Pub
public.tableau.com/app/profile/sathishkumar.k8338/viz/StoryofExpenses2/StoryofExpenses2
Story of Expenses 2 by Sathishkumar K
EXPENSES 2
Transportation Cost. this is density map.
Taxes & Licenses. This is Pie chart.
Employee(Insurance vs pension). This is split bar.
Fuel.thi is pie chart.
Expenses YoY.This is line chart.
Maintenance of Buildings.This is line chaet.
Maintainance Of Buildings Offices
8K
6K
4K
2K
0K
5,257
Accommodation and food services
948
Clothing and accessories stores
3,155
Food service and drinking places
351
Gas stations
1,337
Grocery stores
9,002
Retail Trade
Maintenance Of Buildi...
37
9,002
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Advantages and disadvantages

The main advantage of using Tableau to analyze business expenses is that it allows users to create interactive visualizations of the data. This makes it easy to identify trends and patterns in the data that would be difficult to see in a spreadsheet or table.

One disadvantage of using Tableau is that it can be complex to use. There is a learning curve involved in learning how to use the software and create effective visualizations.

Applications

The results of this project can be used for a variety of purposes, such as:

Identifying areas where costs can be reduced.

Improving efficiency.

Making better decisions about resource allocation.

Developing budgets and forecasts.

Reporting to stakeholders.

Conclusion

Analyzing business expenses using Tableau software can help businesses to identify areas where costs can be reduced, improve efficiency, and boost profits. Tableau is a powerful tool that can be used to create interactive visualizations of the data, making it easy to identify trends and patterns in the data.

Future scope

This project can be extended in a number of ways, such as:

Analyzing business expenses by category, department, location, and time period.

Identifying the factors that are driving changes in business expenses.

Developing predictive models to forecast future business expenses.

Creating dashboards to track business expenses over time.