



## PERIYAR UNIVERSITY

SRI KAILASH WOMEN'S COLLEGE  
THALAIVASAL

DEPARTMENT OF MATHEMETICS

III – BSc Mathematics (2023-2024)

INCHARGE : Mrs. D. SIVASATHYA., MSc., B.Ed.,

TEAM ID : NM2023TNID26136	
STUDENT NAME	STUDENT ID
JAGADEESWARI E	A9A87431C712C85859744E2939A38A4C
GAYATHRI K	A3041A9E4A6196A94644FC2F436218F0
ENIYADHARSHINI S	03D3D7F5954896CAAD849D9DE8A423B9
EZHILARASI P	D0FB584E4B5400393CD42AF27DB0FB1A

PROJECT TITLE : ESTIMATION OF BUSINESS EXPENSES



### Says

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

express  
frustration  
about rising  
expenses.

seek ways to  
streamline  
processes  
and reduce  
costs.

monitor  
expenses closely  
and seek cost-  
effective  
solutions.

colleagues  
discussing  
cost-cutting  
measures.

accountants  
explaining  
tax  
regulations.

vendors and  
suppliers  
requesting  
payment.



### Does

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

[See an example](#)



### Thinks

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

Expenses for  
materials like  
whiteboards, sticky  
notes, and markers  
used in workshops  
or brainstorming  
sessions.

If you promote your  
products or services  
based on improved  
user understanding,  
include marketing  
expenses.

Fees for using  
specialized  
software for  
data analysis or  
visualization.

feeling stressed  
or anxious about  
overspending or  
unexpected  
expenses.

Feeling frustrated  
when dealing with  
complex expense  
reporting systems.

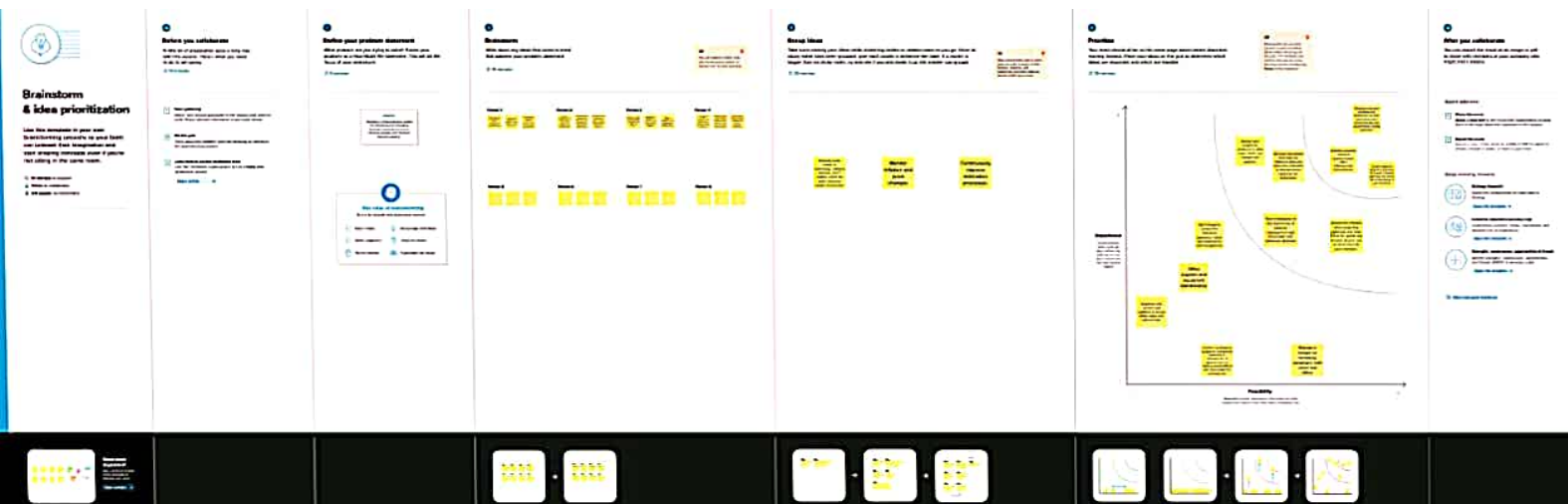


### Feels

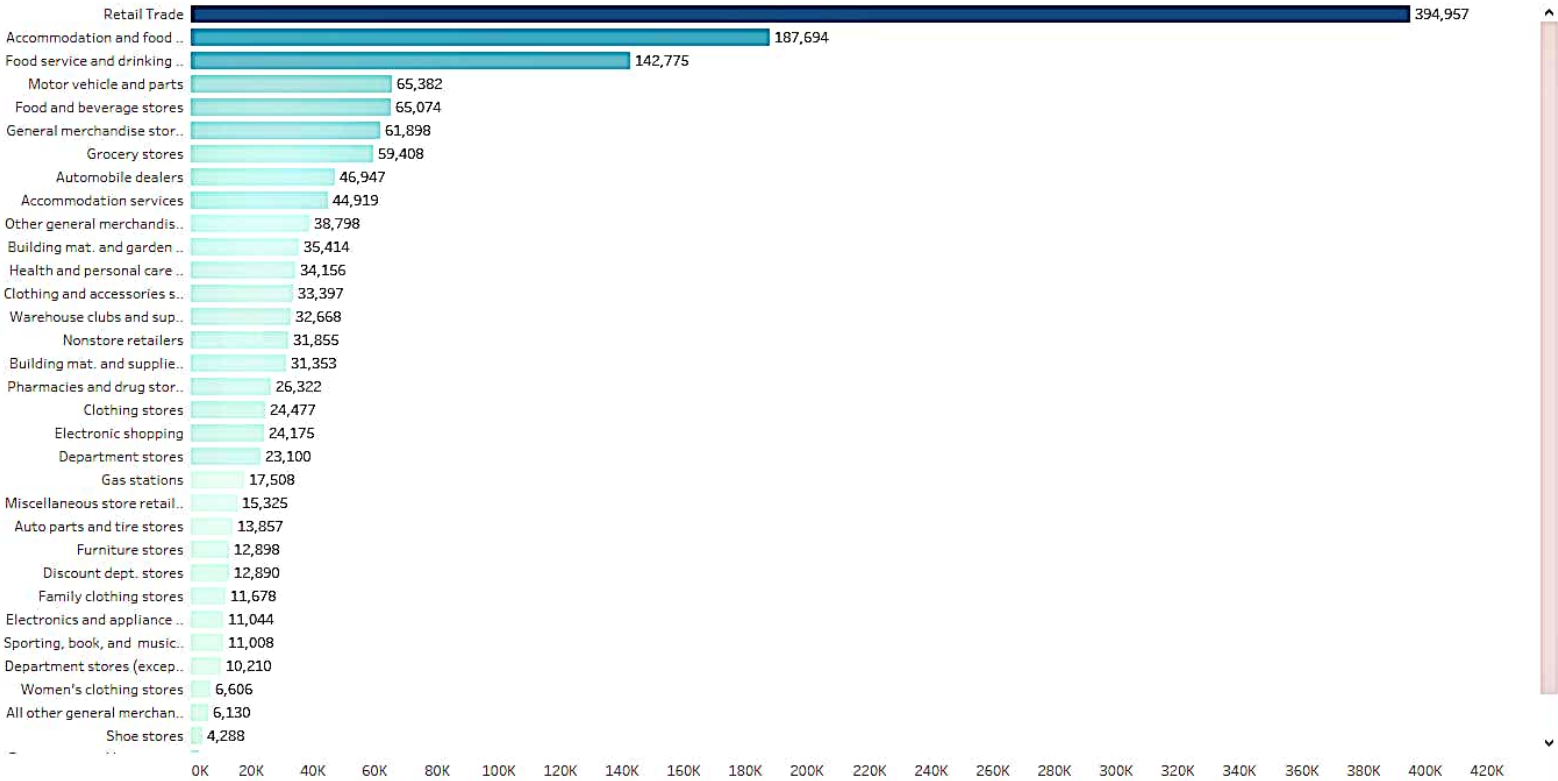
What are their fears, frustrations,  
and anxieties? What other  
feelings might influence their  
behavior?



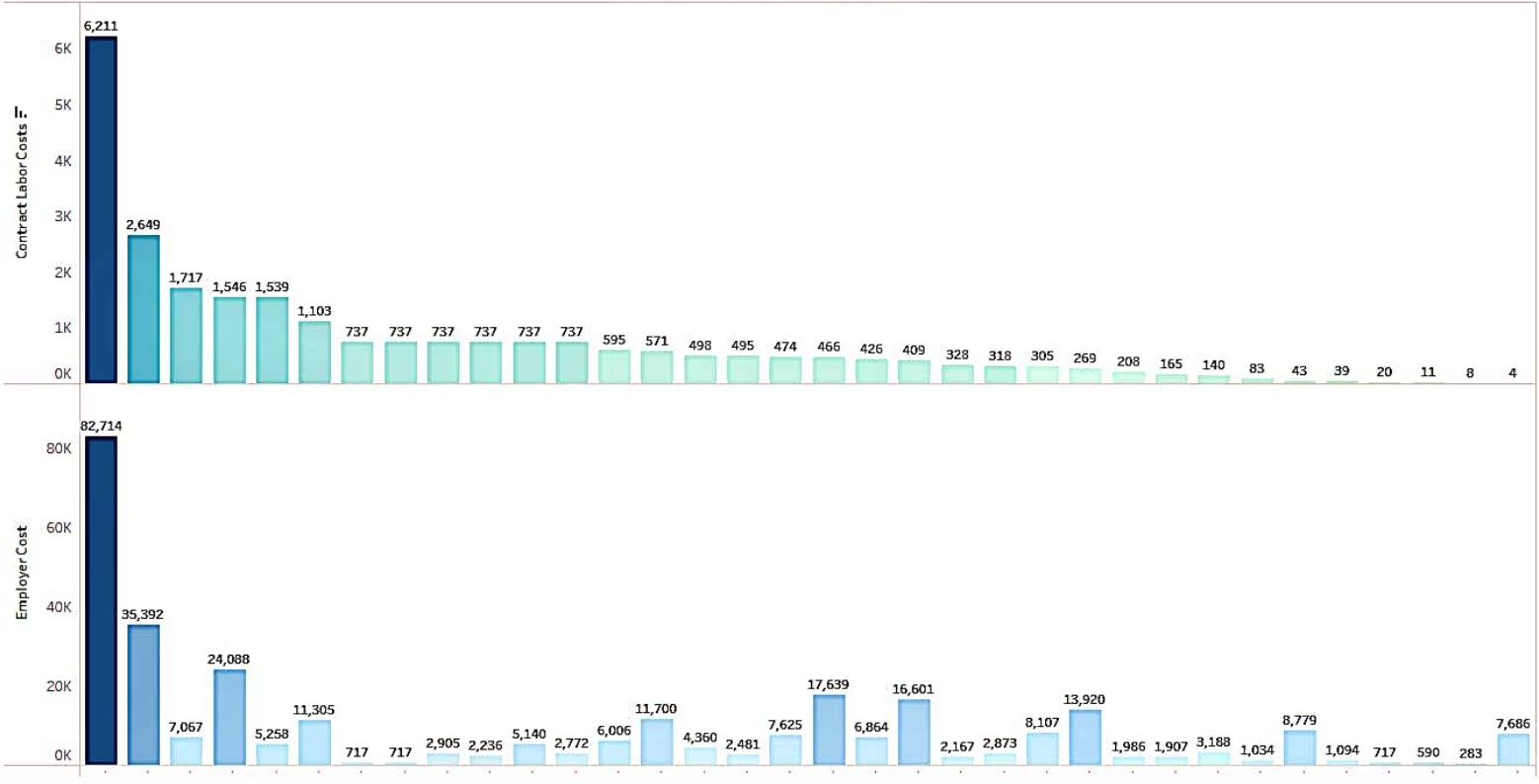
E Jagadeeswari  
estimation of  
business expenses



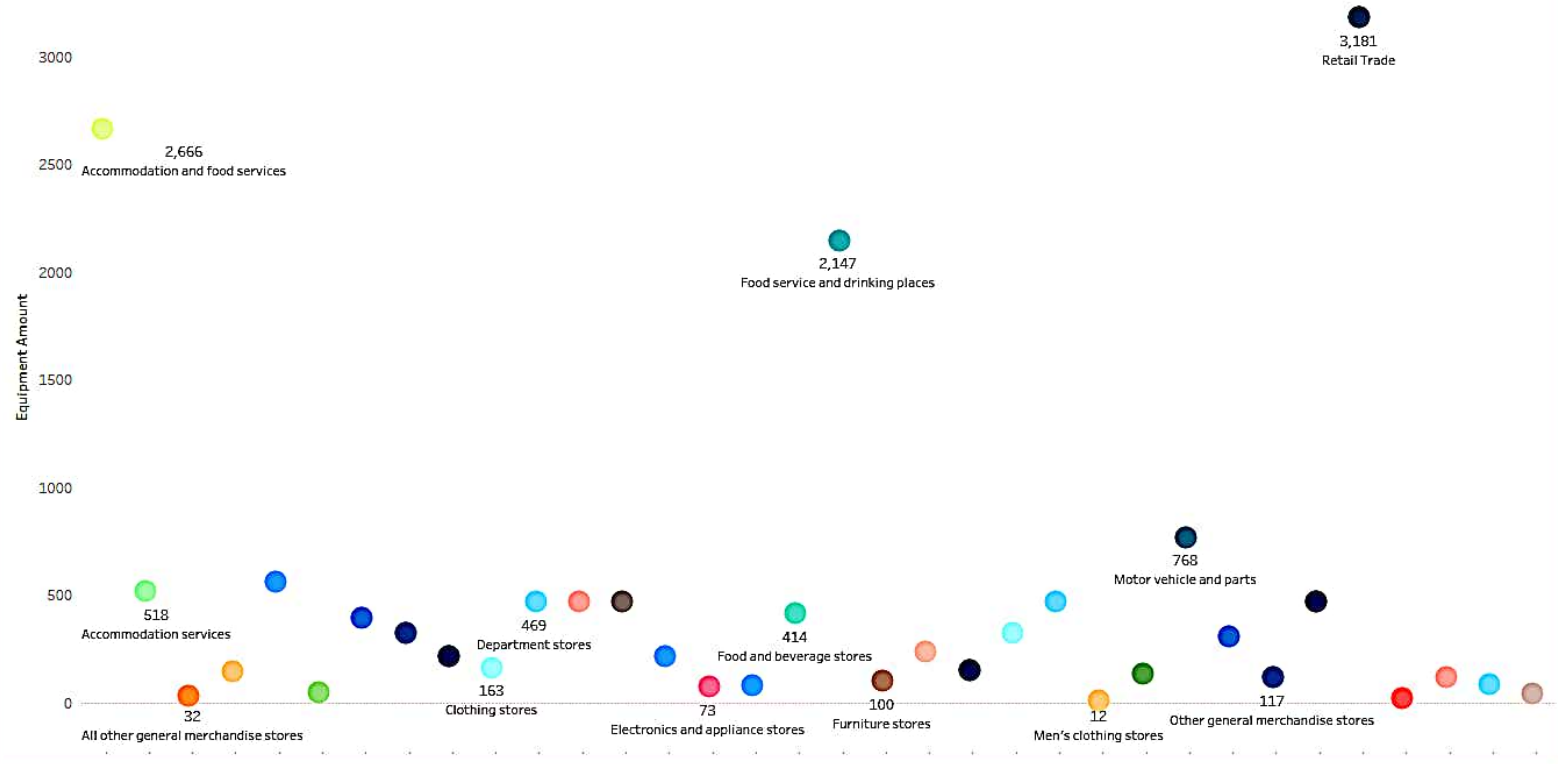
Annual Pay Roll



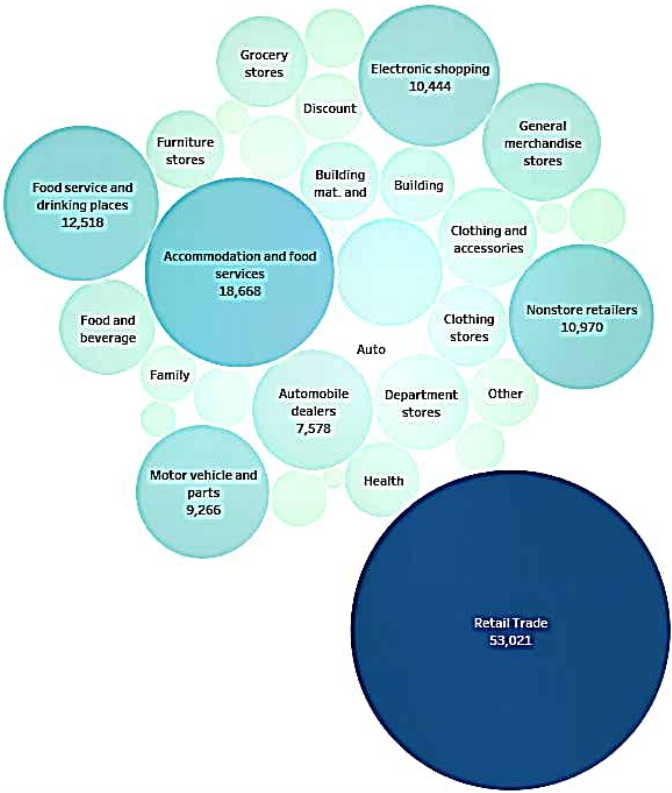
Contract Labour vs Employee



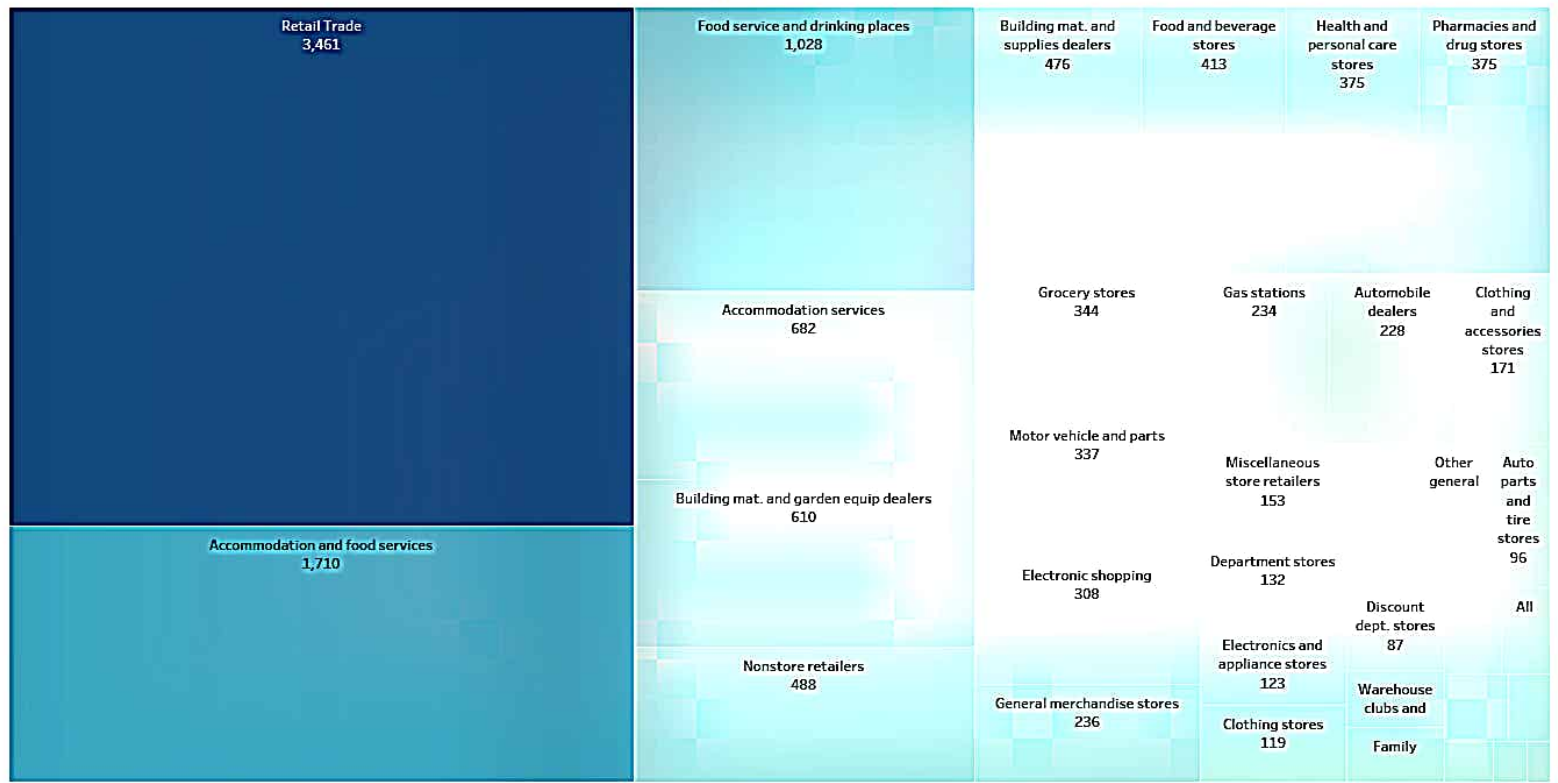
Equipment Costs



Advertisment Cost

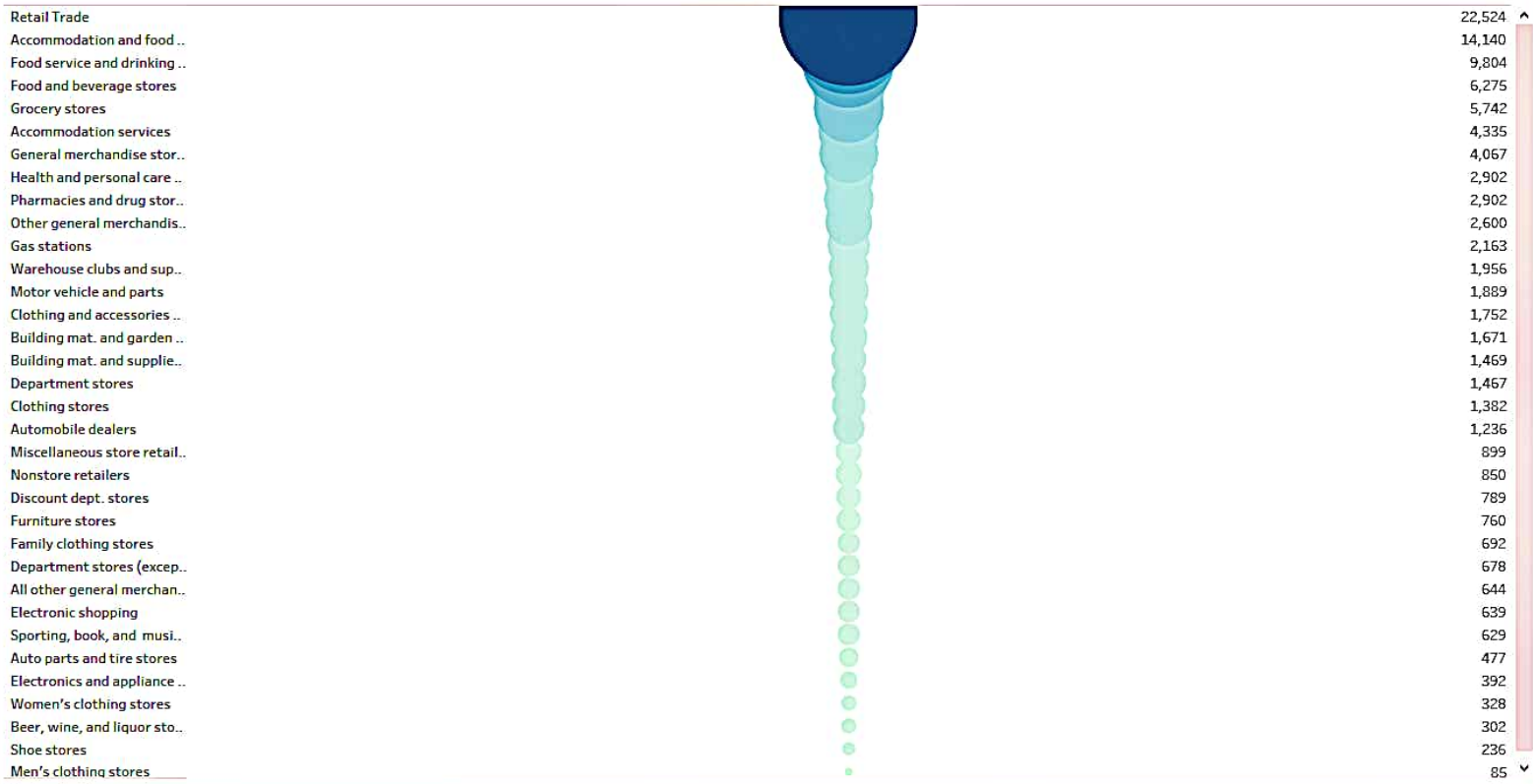


Rental Payment for Machinery

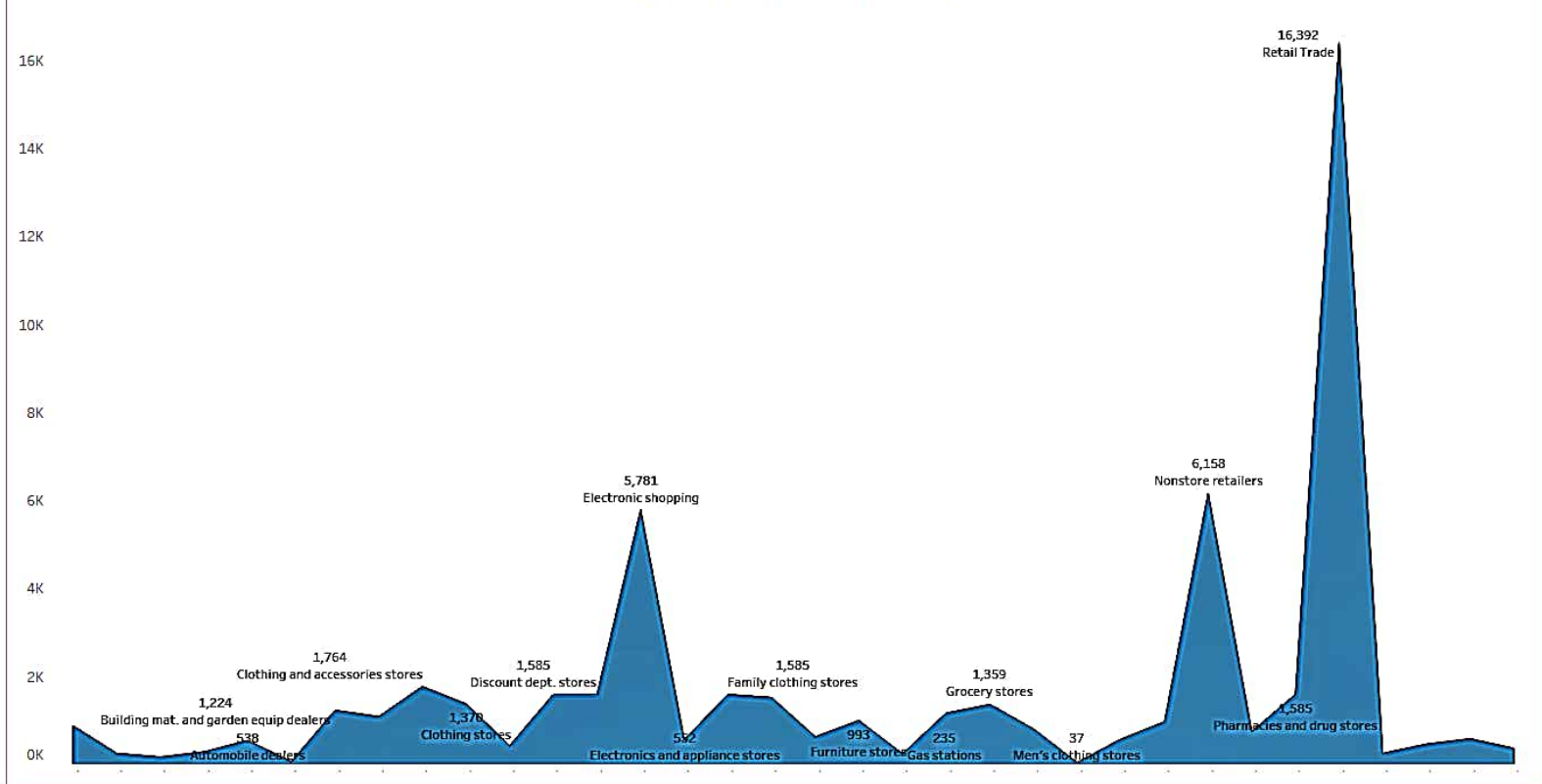




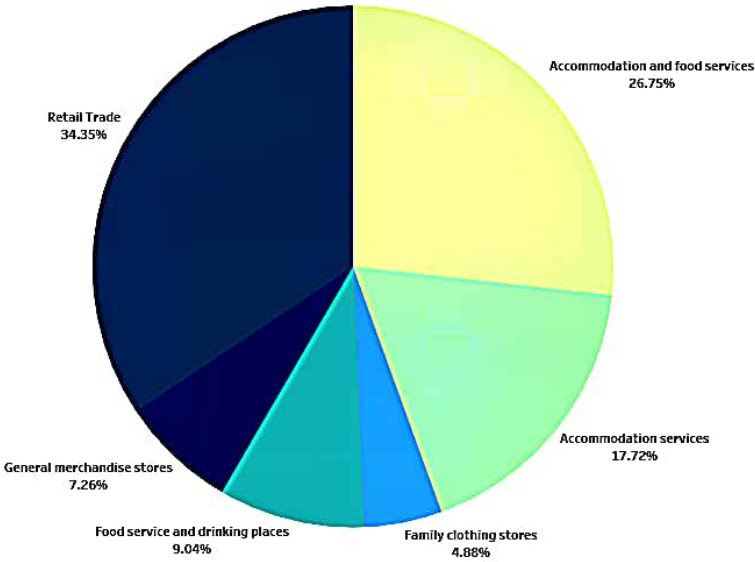
Power Expenditure



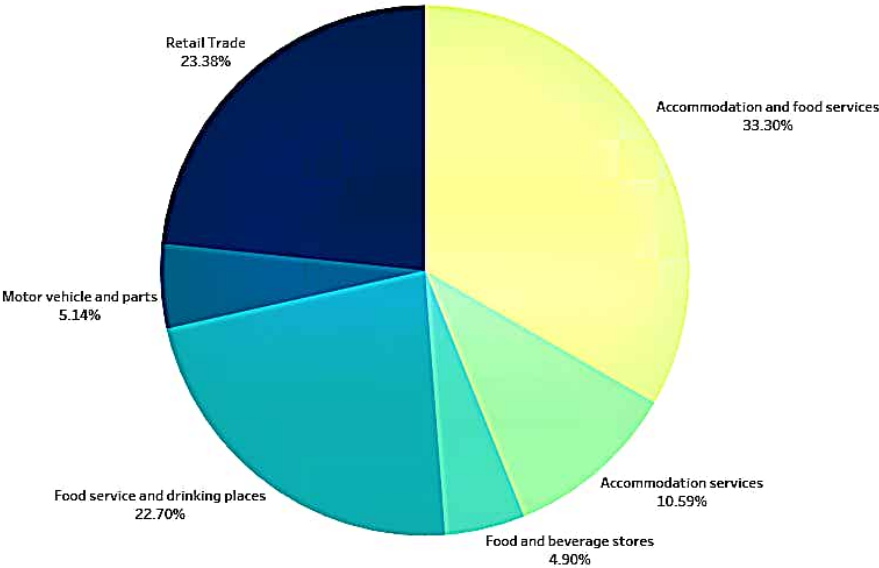
## Transportation and Warehousing



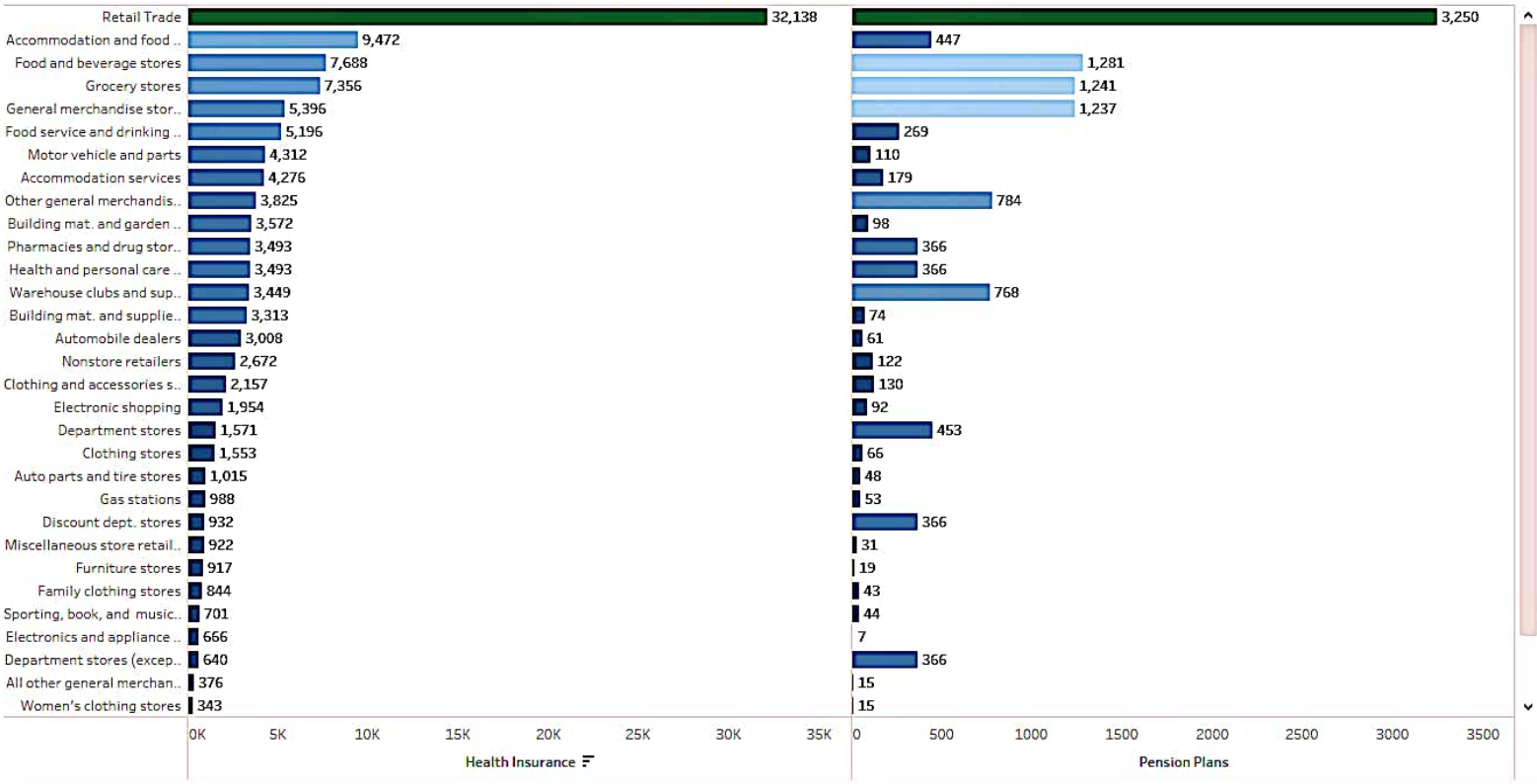
Taxes & Licenses

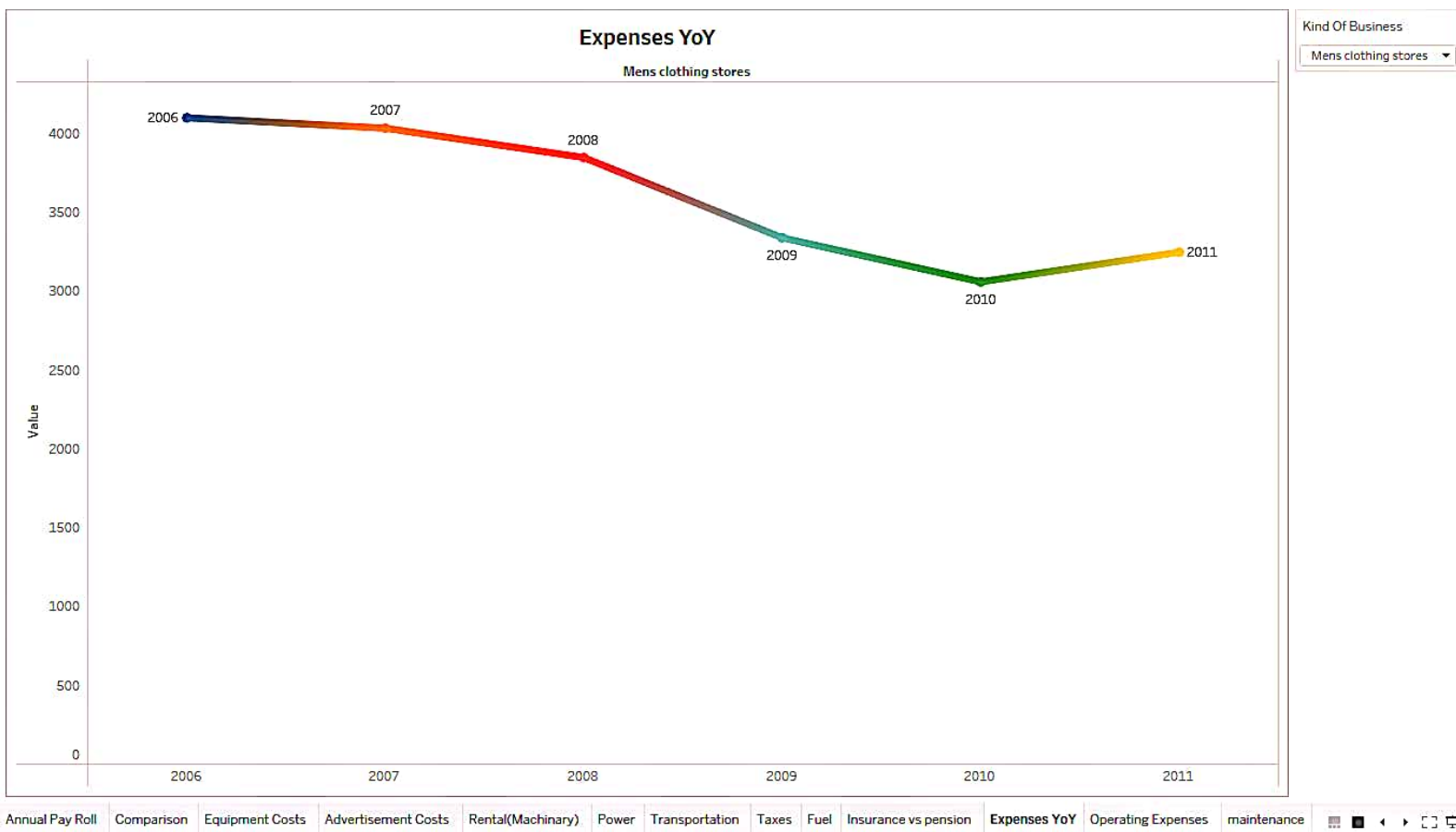


Fuel

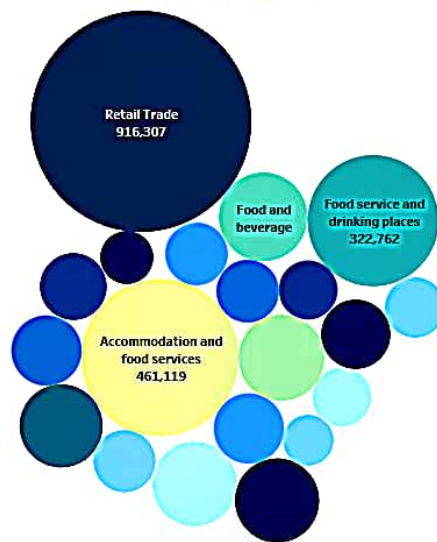


Employee Costs (Insurance Vs Pension)

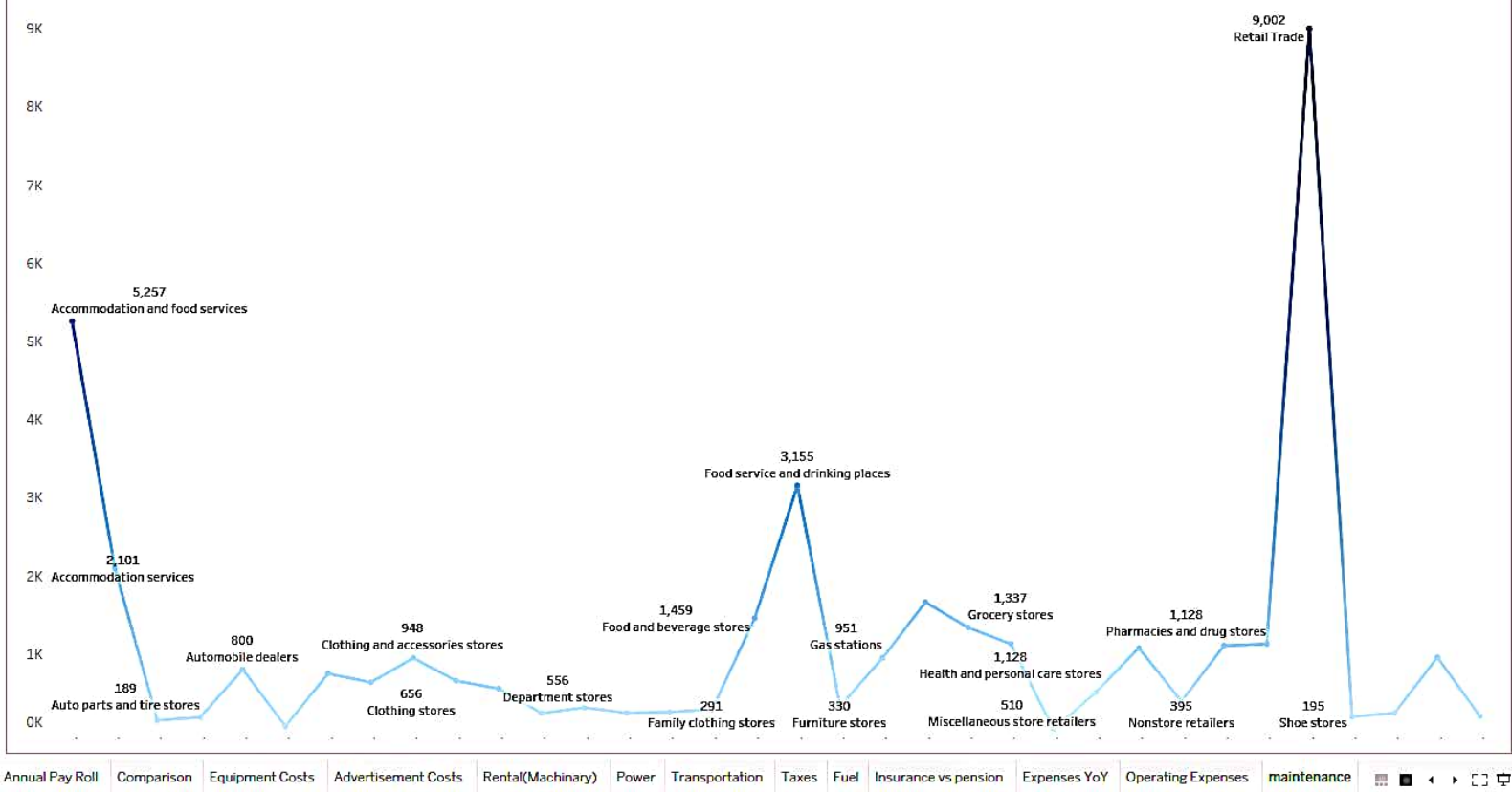




## Operating Expenses

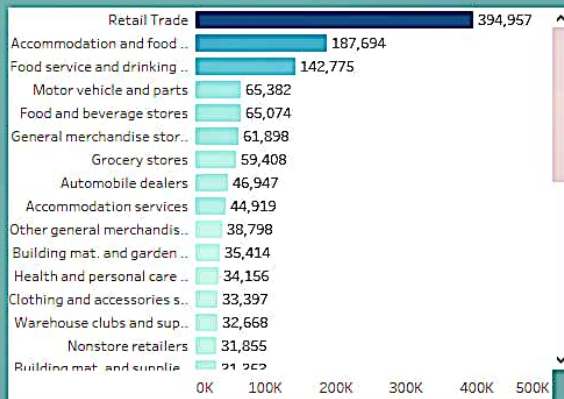


Maintenance of buildings

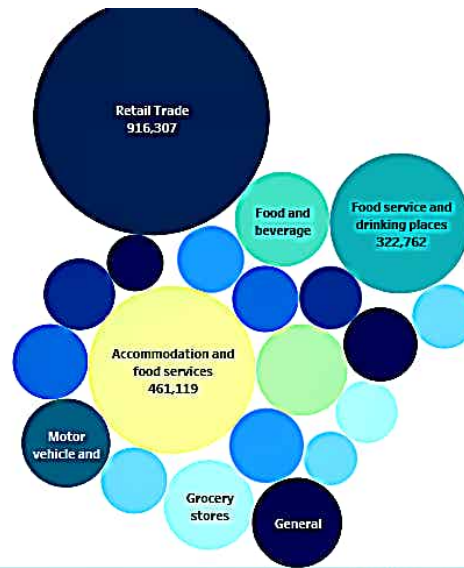
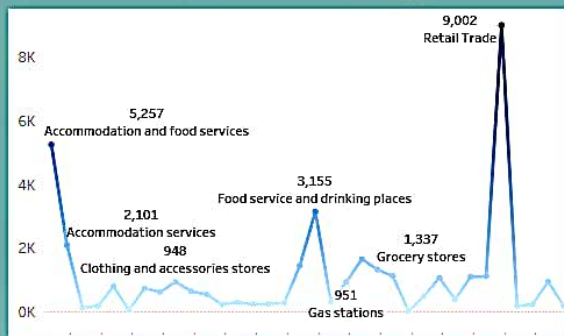




## Annual Pay Roll



## Maintenance of buildings



## Expenses YoY

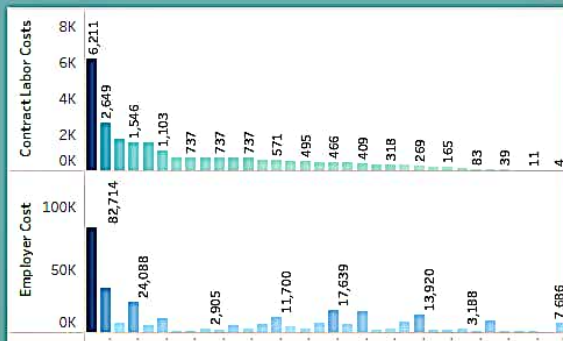
Kind Of Business

Mens clothing stores

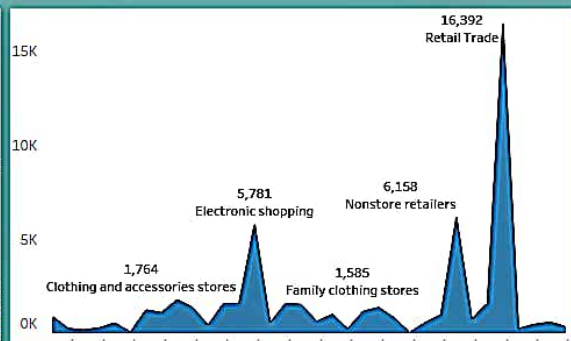


## Business Expenditure Overview

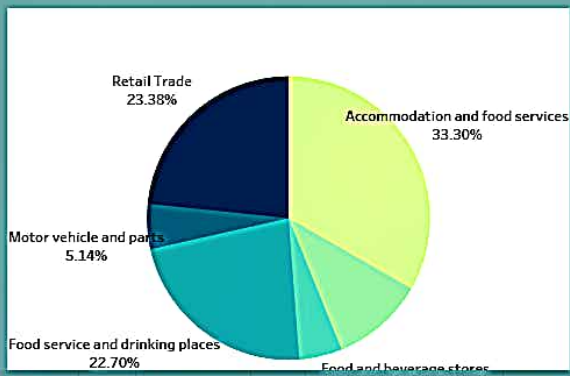
### Contract Labour vs Employee



### Transportation and Warehousing



### Fuel



### Advertisement Cost

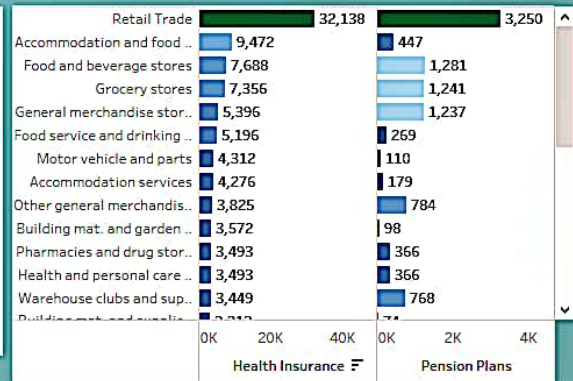


## Expense Insights

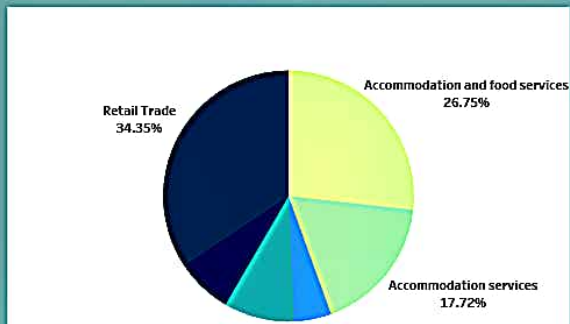
### Rental Payment for Machinery



### Employee Costs (Insurance Vs Pension)



### Taxes & Licenses



### Power Expenditure



## Expenses 1

< Annual Pay Roll: This bar chart illustrates the annual payroll

Comparison(Employee Vs Contract Labours): These bar charts

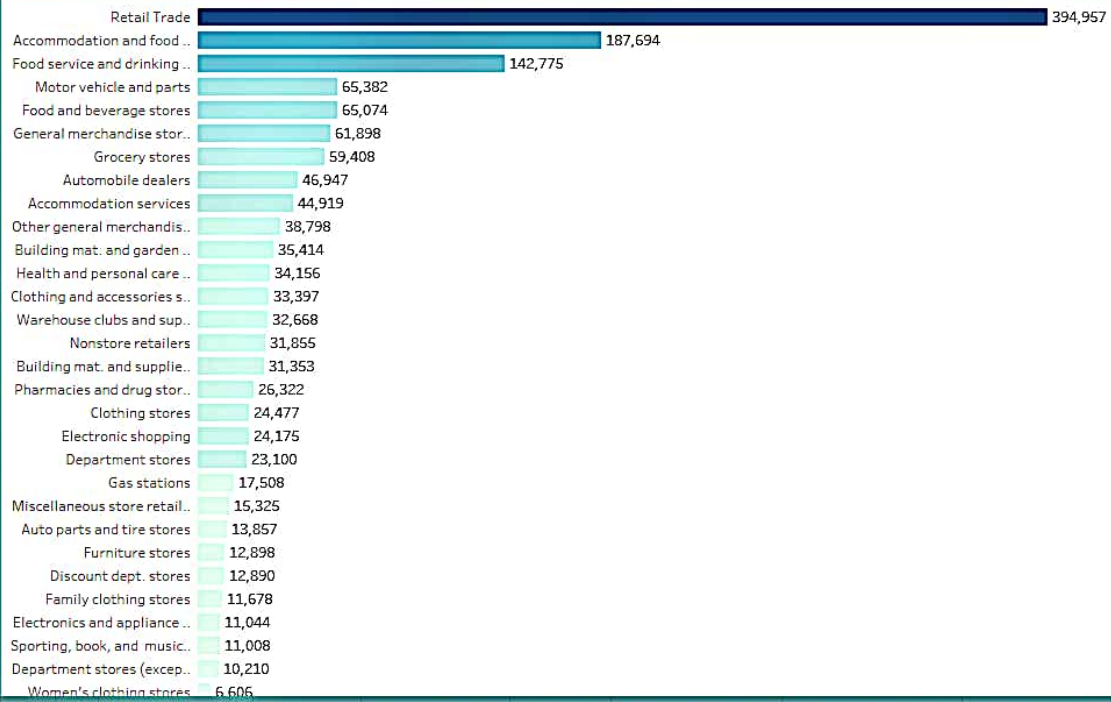
Equipment Cost: This bubble chart visualizes the expenditure on

Advertisement Cost: This packed bubble chart depicts the

Rental(Machinery): This tree map illustrates the

Power Consumption: This heat map visualizes the power

>



Expenses 1

- <

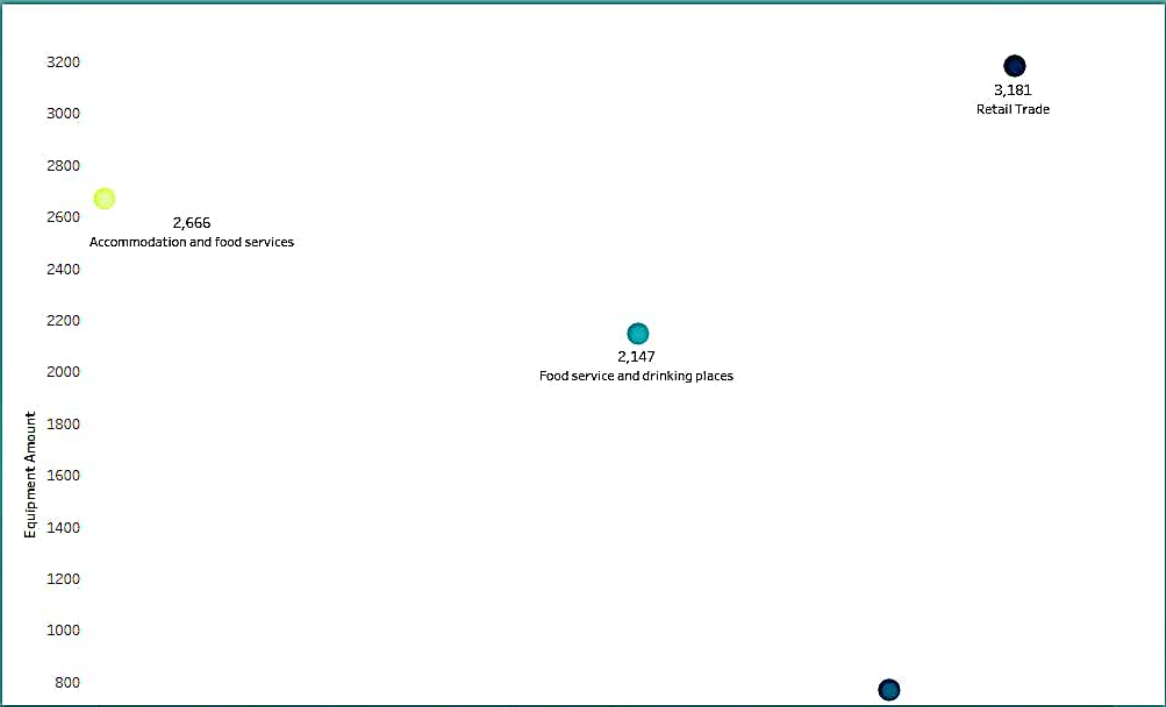
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- The figure consists of two vertically stacked bar charts. The top chart, titled 'Contract Labor Costs', has a y-axis ranging from 0K to 7K. It displays 25 bars with values: 6,211, 2,649, 1,717, 1,546, 1,539, 1,103, and then seven bars each valued at 737, followed by 595, 571, 498, 495, 474, 466, 426, 409, 328, 318, 305, 269, 208, 165, 140, 83, 43, 39, 20, 11, 8, and 4. The bottom chart, titled 'Total Cost', has a y-axis ranging from 50K to 90K. It shows a single bar with a value of 82,714.

Category	Contract Labor Costs	Total Cost
1	6,211	82,714
2	2,649	
3	1,717	
4	1,546	
5	1,539	
6	1,103	
7	737	
8	737	
9	737	
10	737	
11	737	
12	737	
13	737	
14	595	
15	571	
16	498	
17	495	
18	474	
19	466	
20	426	
21	409	
22	328	
23	318	
24	305	
25	269	
26	208	
27	165	
28	140	
29	83	
30	43	
31	39	
32	20	
33	11	
34	8	
35	4	
- y) Power Transportation Taxes Fuel Insurance vs pension Expenses YoY Operating Expenses maintenance Expense Breakdown Business Expenditure Expense Insights Expenses 1

Expenses 1

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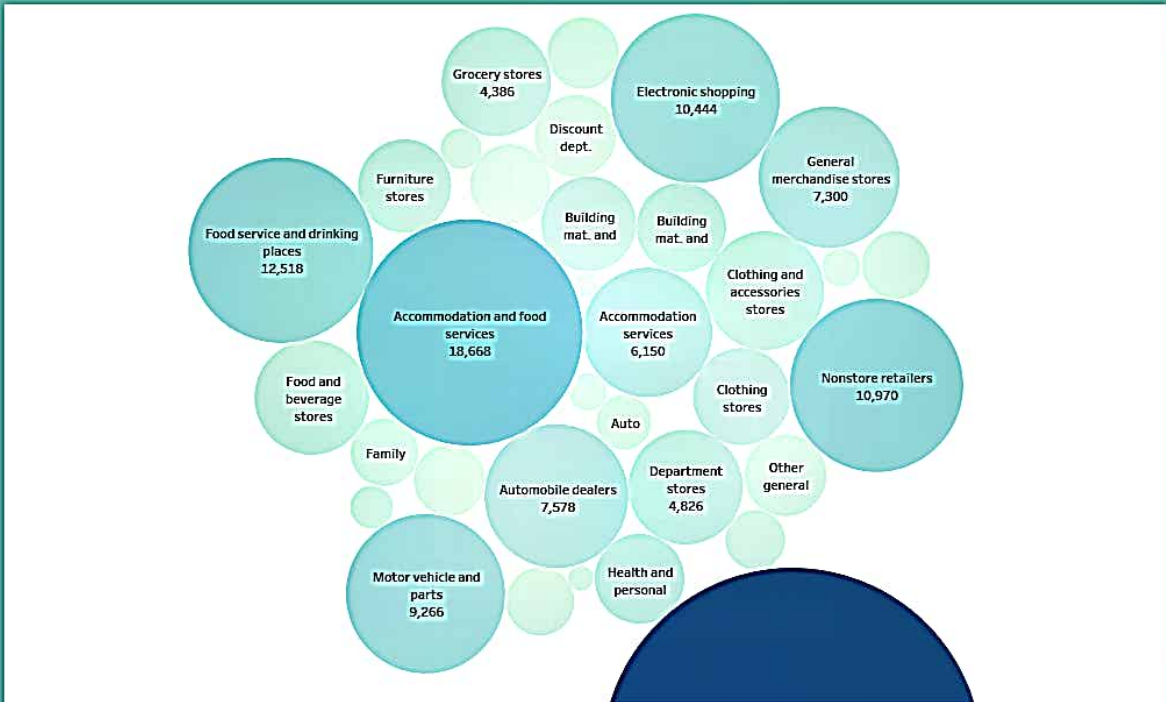


Expenses 1	
1	1
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99	99
100	100

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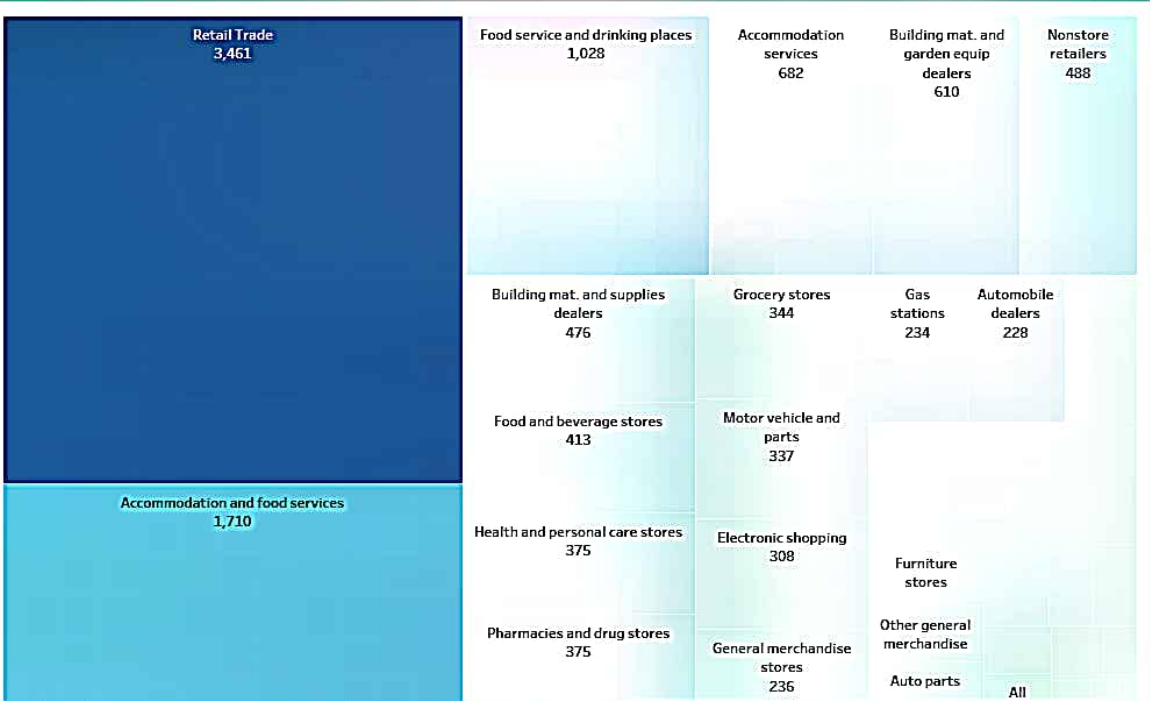
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## Expenses 1



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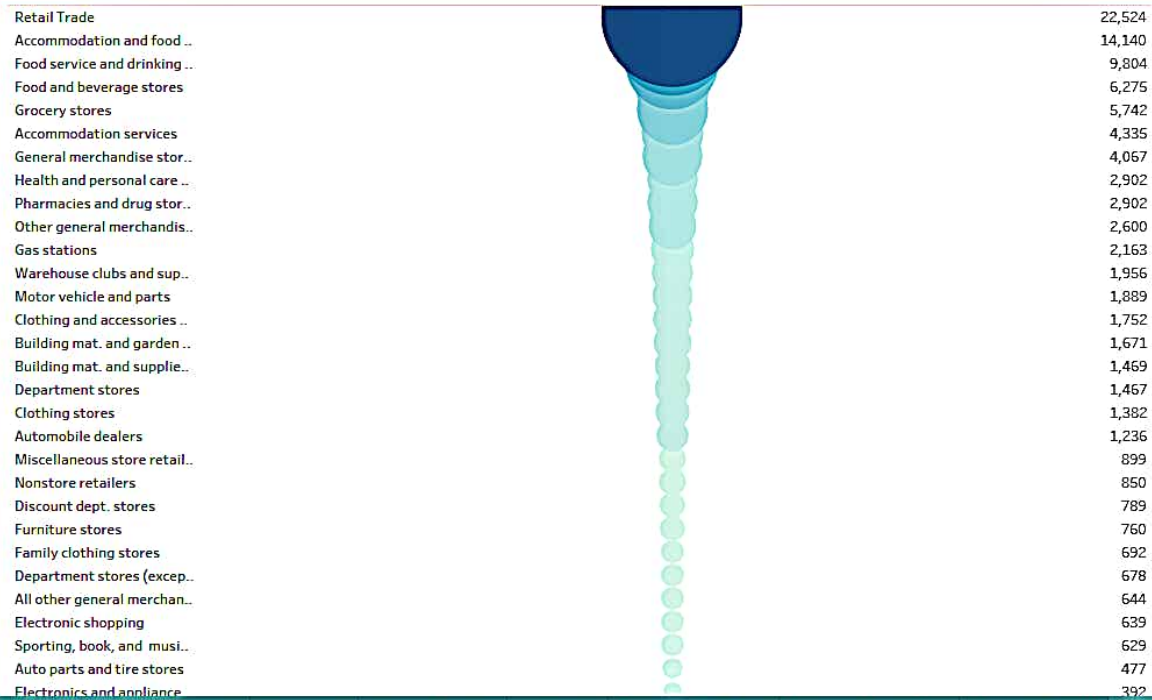
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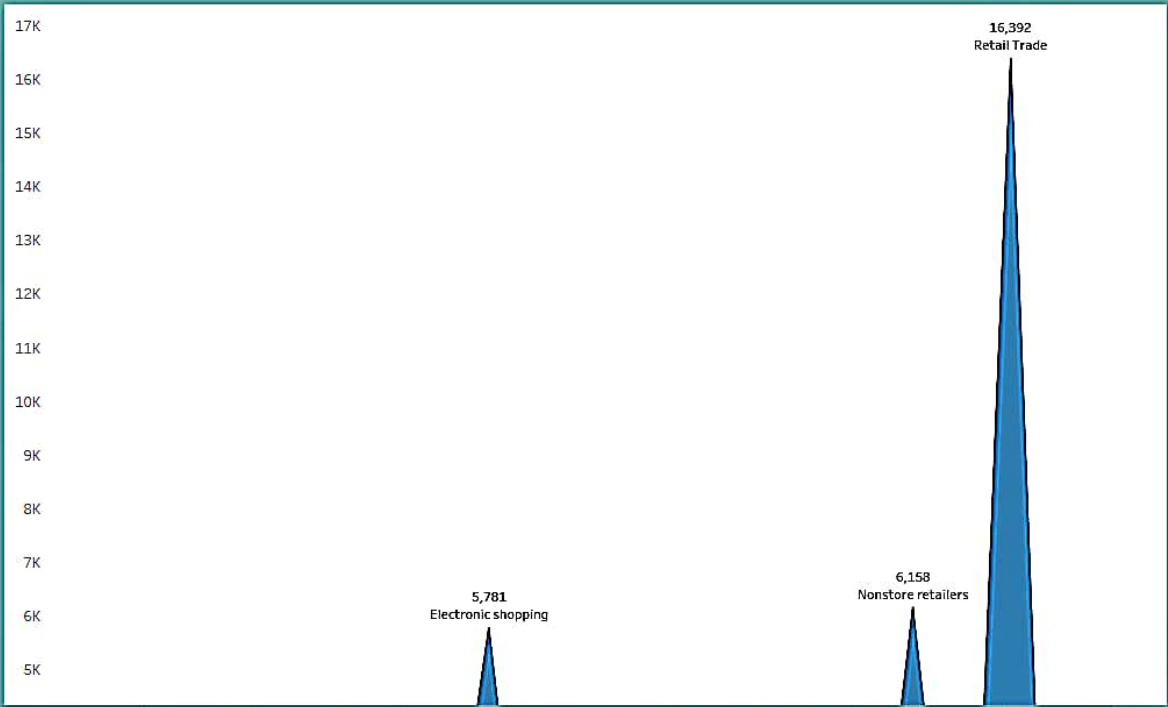
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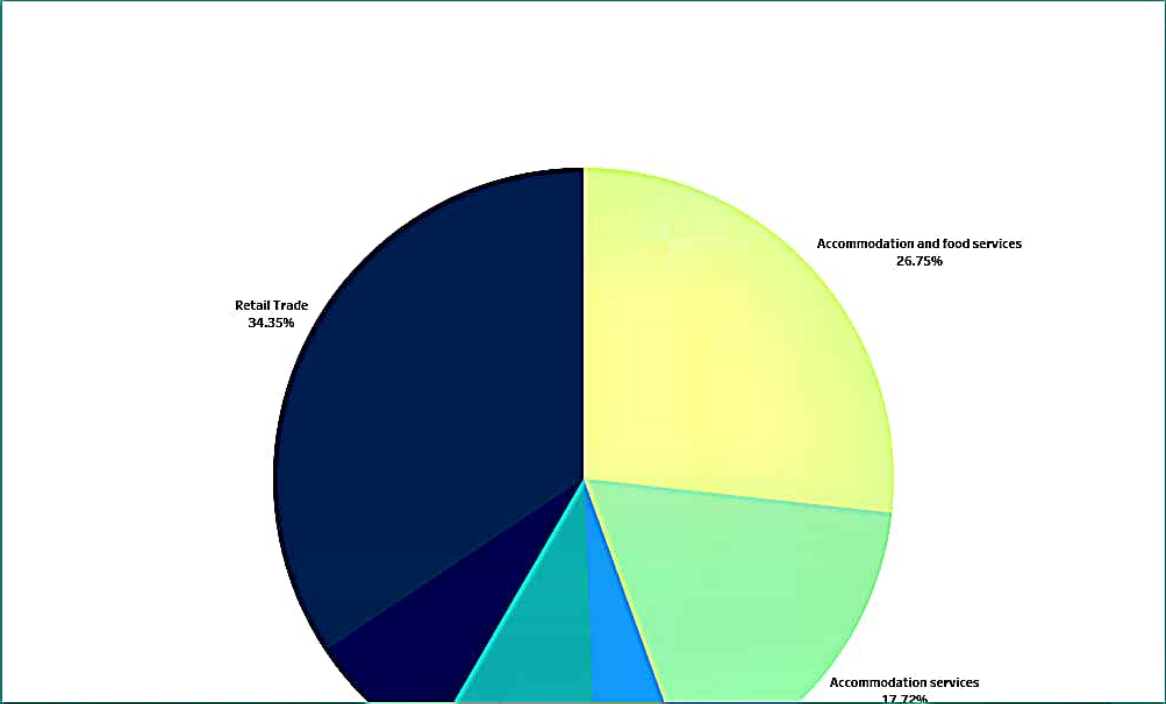
Expenses 2

- Transporation: This density map portrays the expenditure on
- Taxes & Licenses: This pie chart illustrates the proportion of
- Fuel: This pie chart illustrates the proportion of
- Employee Cost: This split bar chart provides a comparison
- Expenses YoY: This line chart presents the expenditure trends of
- Maintenance: This line chart illustrates the expenses incurred by



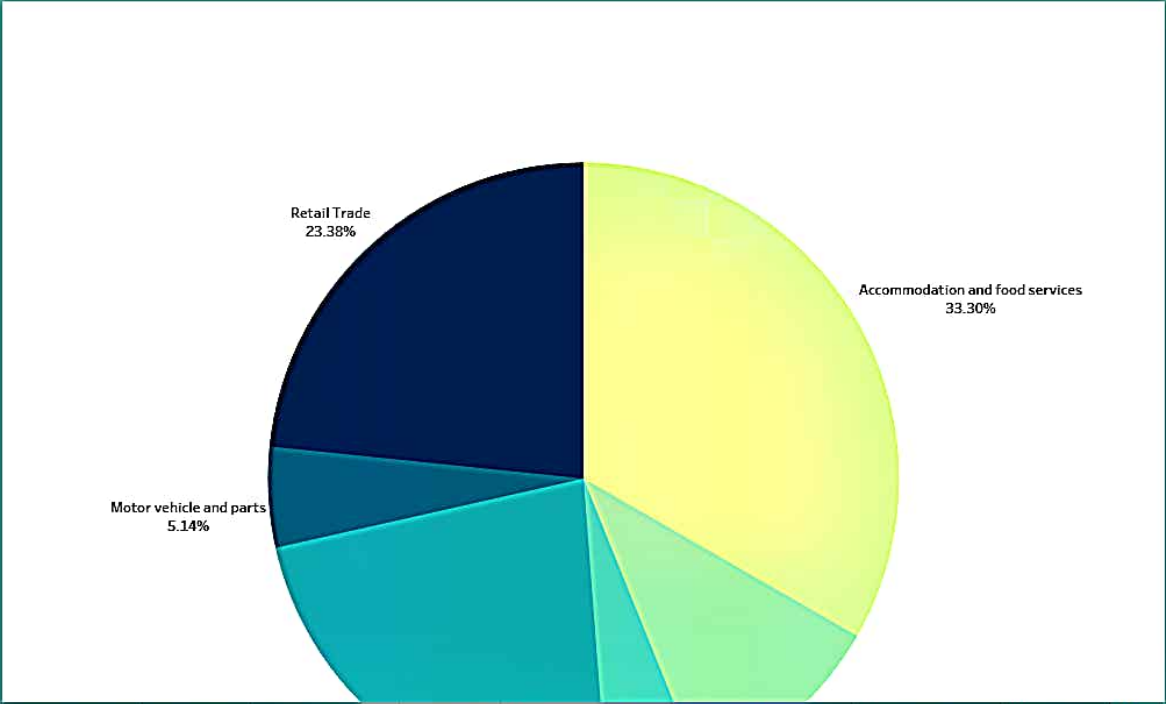
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## Expenses 2

Transportation: This density map portrays the expenditure on

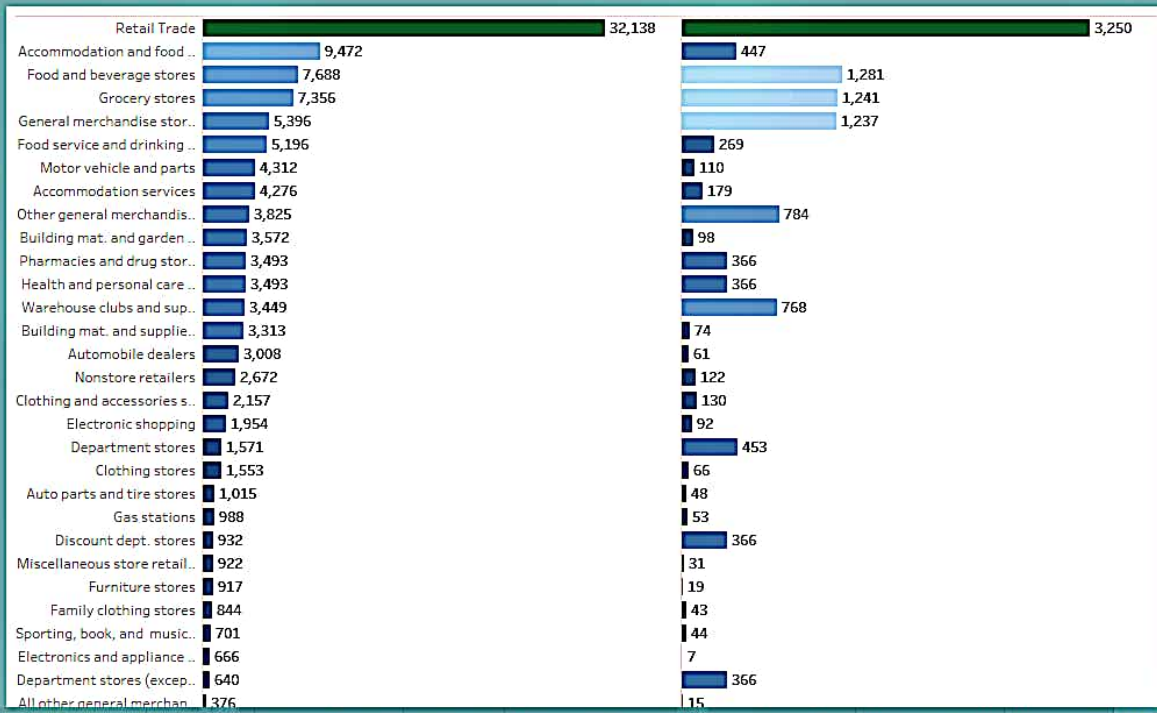
Taxes & Licenses: This pie chart illustrates the proportion of

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Maintenance: This line chart illustrates the expenses incurred by



## Expenses 2

< Transportation: This density map portrays the expenditure on Taxes & Licenses: This pie chart illustrates the proportion of Fuel: This pie chart illustrates the proportion of Employee Cost: This split bar chart provides a comparison Expenses YoY: This line chart presents the expenditure trends of Maintenance: This line chart illustrates the expenses incurred by >



Expenses 2

- <
- Transporation: This density map portrays the expenditure on
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