PROJECT REPORT

1.INTRODUCTION

1.1 Overview

Estimating business expenses is an important step in determining how much money you need to start and keep your business running without encountering cash flow problems. Every business has different requirements, depending on the type of products or services it sells, the size of the company, and the stage of growth of the business. Even so, most business expenses are either one-time costs or ongoing expenses required to keep operations going.

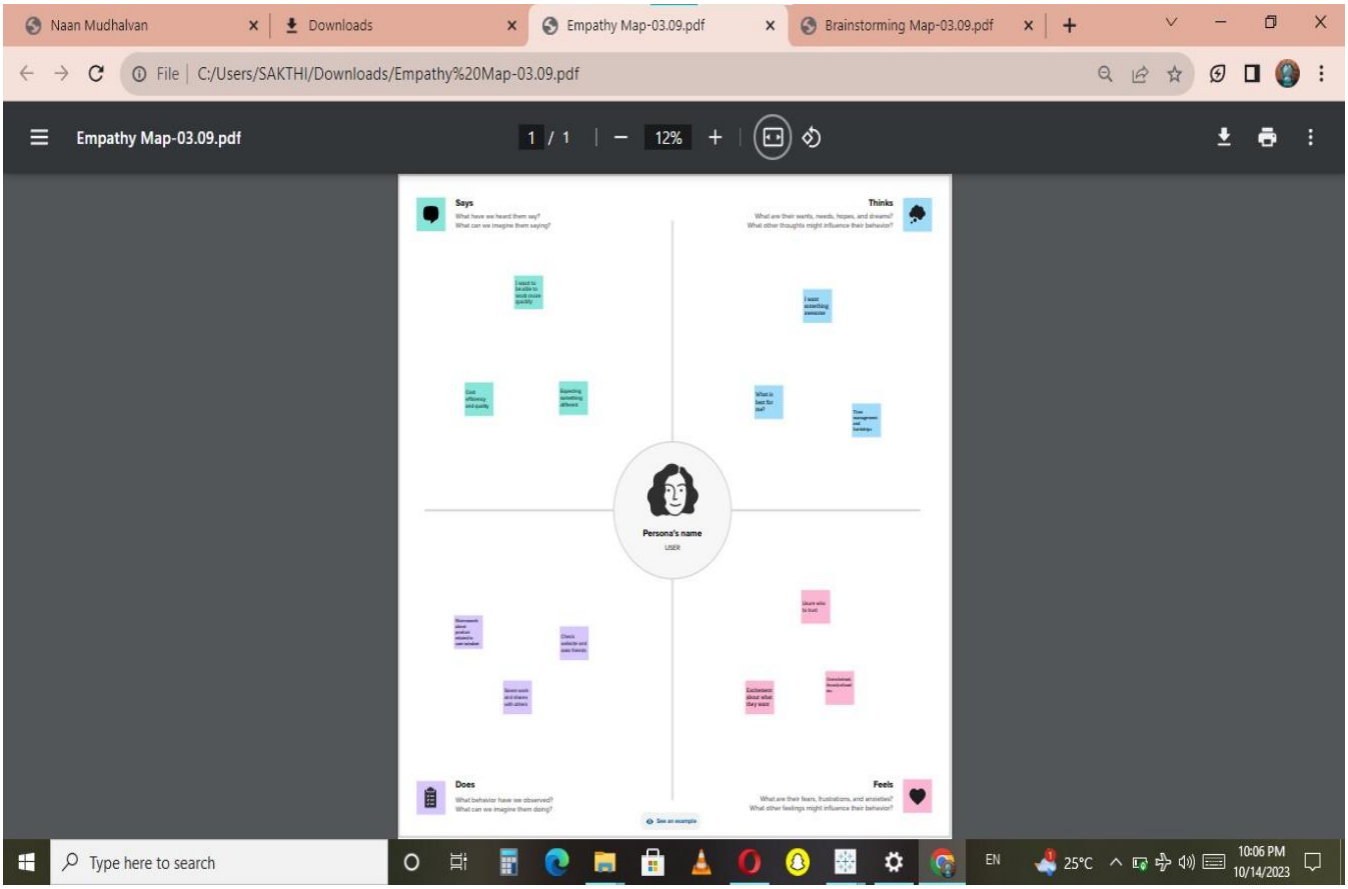
1.2 Purpose

Estimates are important because they allow businesses to set expectations for their customers. They also help businesses determine whether or not a project is feasible and how much profit they can expect to make. Estimating also allows businesses to

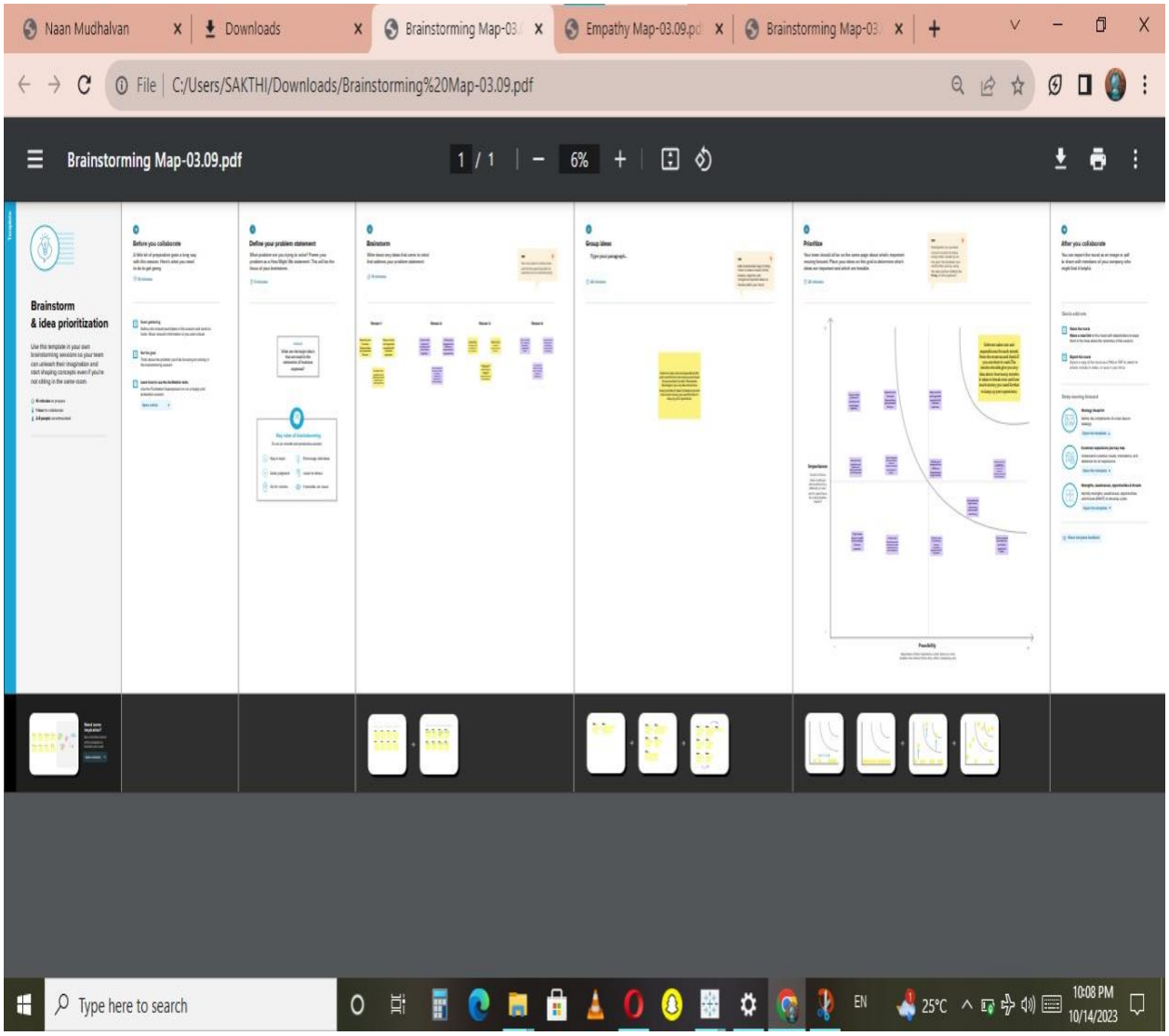
plan for unforeseen expenses and keep track of spending.

2.PROBLEMS DEFINITION & DESIGN THINKING

2.2 EMPATHY MAP

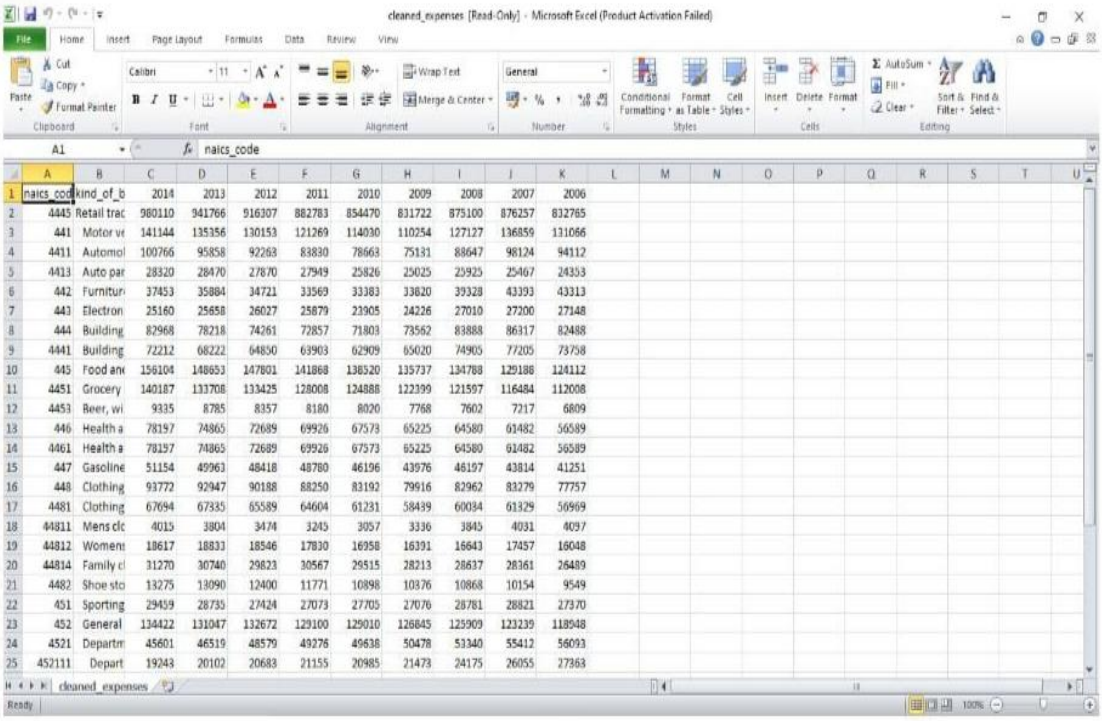


2.2 IDEATION & BRAINSTORMING MAP .



3. DATA SET

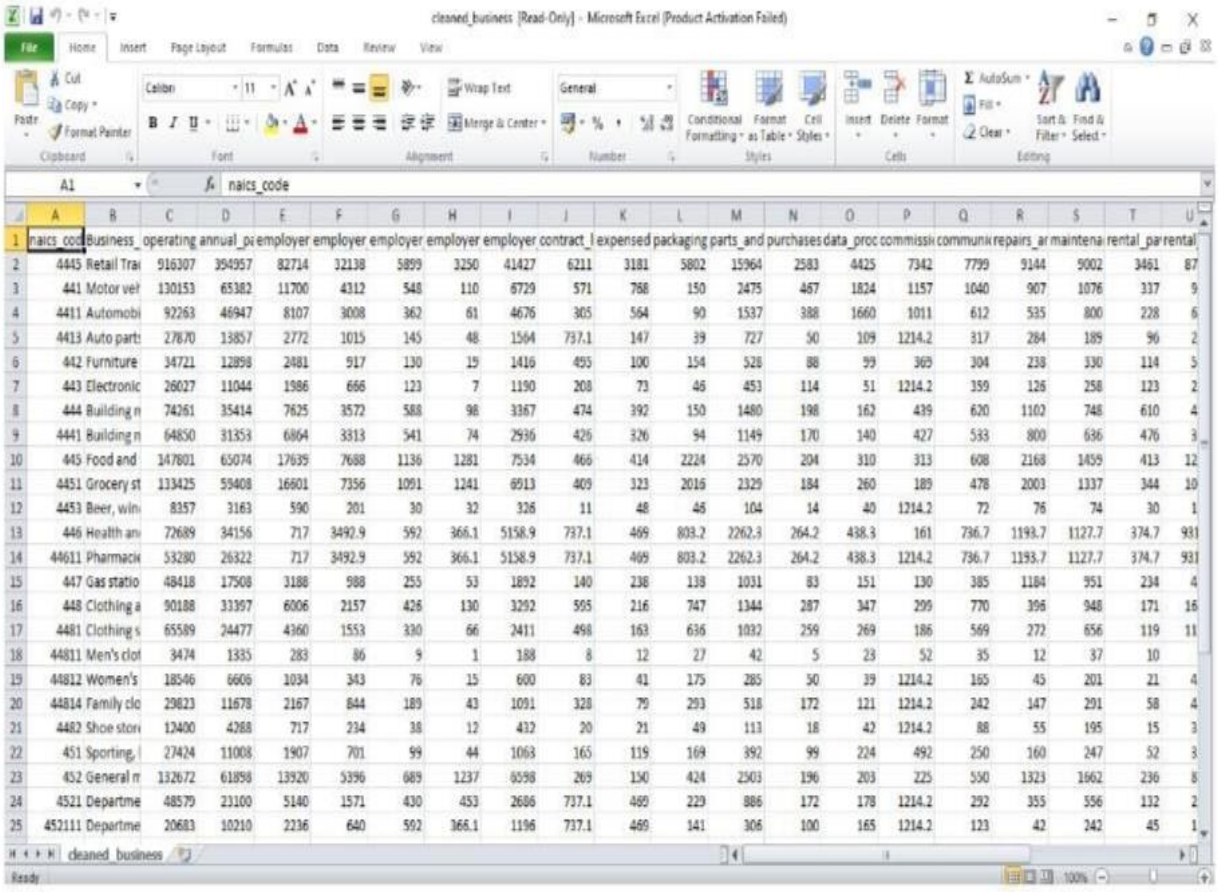
3.1 CLEANED BUSINESSES



cleaned_expenses [Read-Only] - Microsoft Excel (Product Activation Failed)

naics_code	kind_of_b	2014	2013	2012	2011	2010	2009	2008	2007	2006
4445	Retail trac	980110	941766	916307	882783	854470	831722	875100	876257	832765
441	Motor ve	141144	135356	130153	121269	114030	110254	127127	136859	131066
4411	Automol	100766	95858	92263	83830	78663	75131	88647	98124	94112
4413	Auto par	28320	28470	27870	27949	25826	25025	25925	25467	24353
442	Furnitur	37453	35884	34721	33569	33383	33820	39328	43393	43313
443	Electron	25160	25658	26027	25879	23905	24226	27010	27200	27148
444	Building	82968	78218	74261	72857	71803	73562	83888	86317	82488
4441	Building	72212	68222	64850	63903	62909	65020	74905	77205	73758
445	Food and	156104	148653	147801	141868	138520	135737	134788	129188	124112
4451	Grocery	140187	133708	133425	128008	124888	122399	121597	116484	112008
4453	Beer, wi	9335	8785	8357	8180	8020	7768	7602	7217	6809
446	Health a	78197	74865	72689	69926	67573	65225	64580	61482	56589
4461	Health a	78197	74865	72689	69926	67573	65225	64580	61482	56589
447	Gasoline	51154	49963	48418	48780	46196	43976	48197	43814	41251
448	Clothing	93772	92947	90188	88250	83192	79916	82962	83279	77757
4481	Clothing	67694	67335	65589	64604	61231	58439	60034	61329	56969
44811	Mens clo	4015	3804	3474	3245	3057	3336	3845	4031	4097
44812	Womens	18617	18833	18546	17830	16958	16391	16643	17457	16048
44814	Family cl	31270	30740	29823	30567	29515	28213	28637	28361	26489
4482	Shoe sto	13275	13090	12400	11771	10898	10376	10868	10154	9549
451	Sporting	29459	28735	27424	27073	27705	27076	28781	28821	27370
452	General	134422	131047	132672	129100	129010	126845	125909	123239	118948
4521	Departm	45601	46519	48579	49278	49638	50478	53340	55412	56093
452111	Depart	19243	20102	20683	21155	20985	21473	24175	26055	27363

3.2 CLEANED EXPENSES

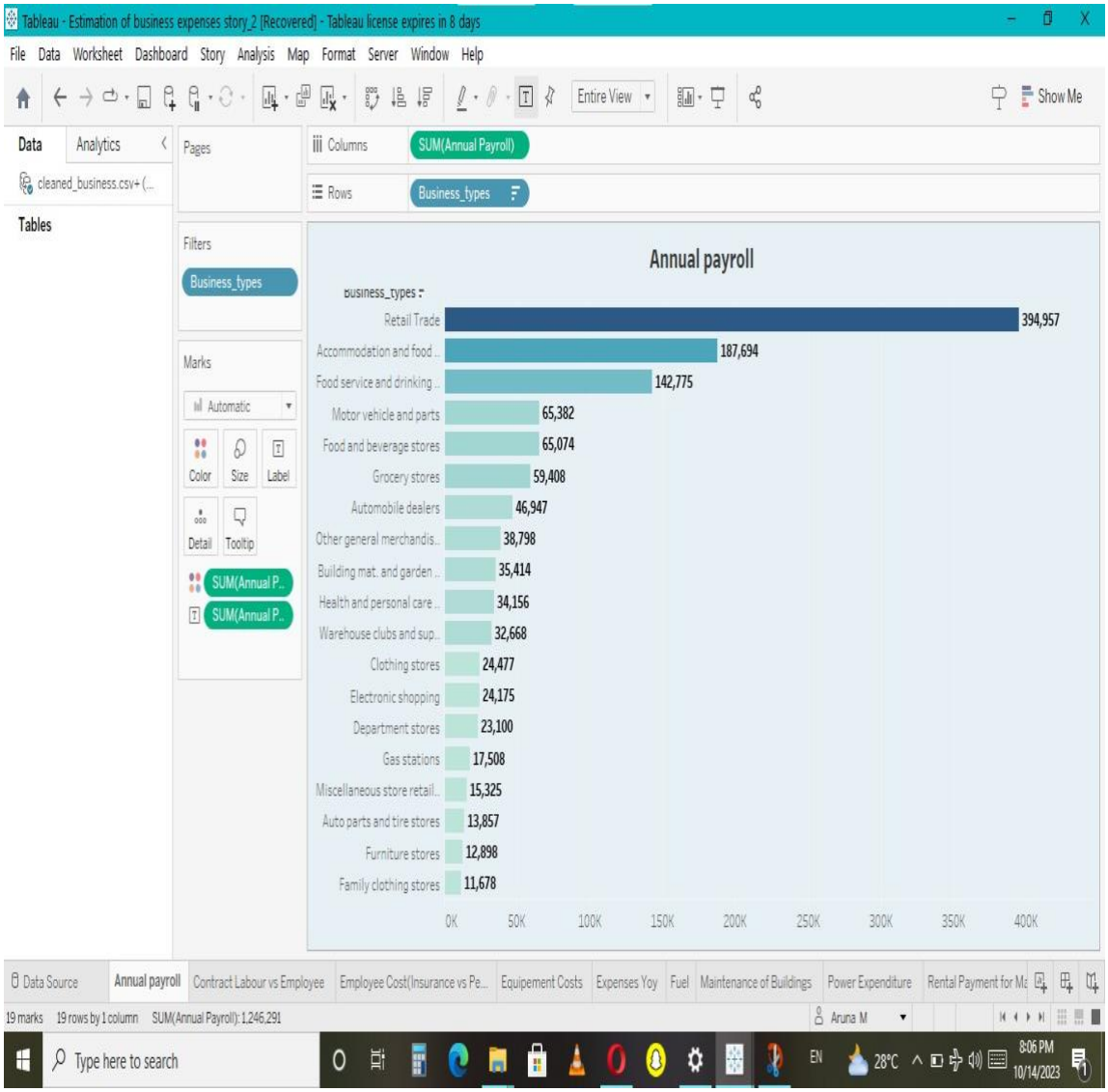


cleaned_business [Read-Only] - Microsoft Excel (Product Activation Failed)

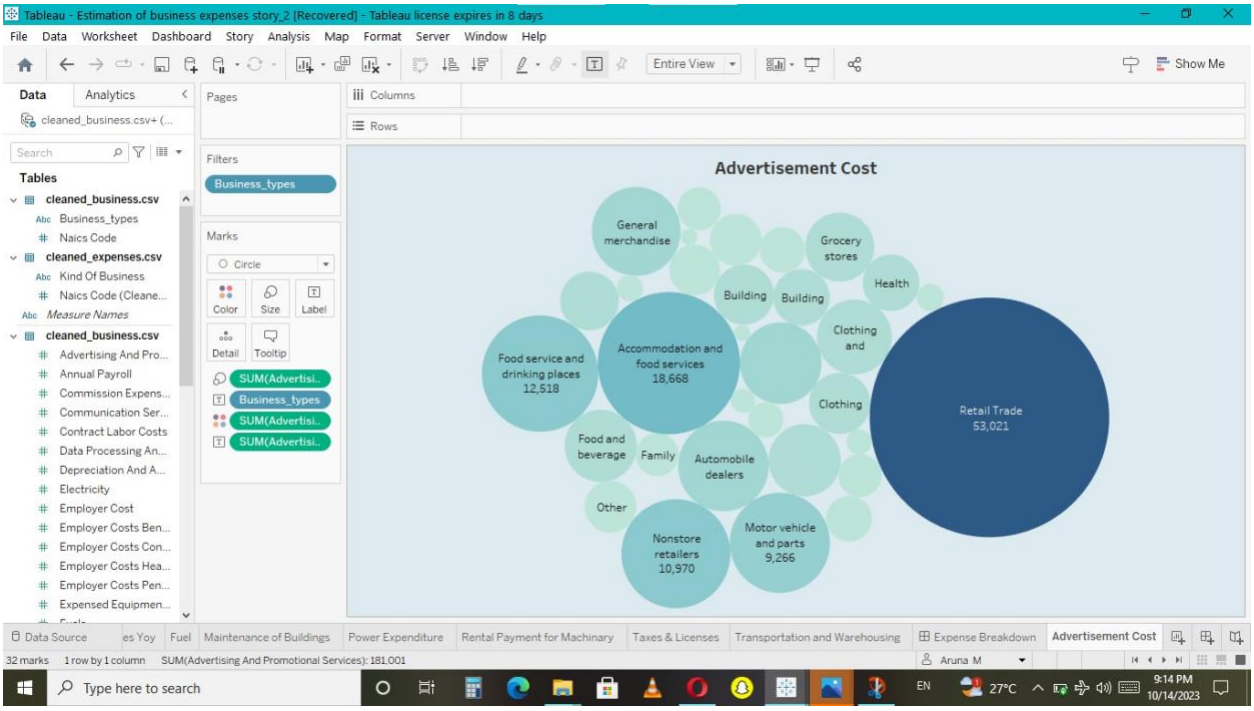
naics_cod	Business_	operating	annual_pa	employer	employer	employer	employer	employer	contract_l	expensed	packaging	parts_and	purchases	data_proc	commissi	communi	repairs_ar	maintena	rental_pa	rental
4445	Retail Trac	916307	394957	82714	32138	5899	3250	41427	6211	3181	5802	15964	2583	4425	7342	7799	9144	9002	3461	87
441	Motor vel	130153	65382	11700	4312	548	110	6729	571	788	150	2475	467	1824	1157	1040	907	1076	337	9
4411	Automobi	92263	46947	8107	3008	362	61	4676	305	564	90	1537	388	1660	1011	612	535	800	228	6
4413	Auto parts	27870	13857	2772	1015	145	48	1564	737.1	147	39	727	50	109	1214.2	317	284	189	96	2
442	Furniture	34721	12898	2481	917	130	19	1416	455	100	154	528	88	99	369	304	238	330	114	5
443	Electronic	26027	11044	1986	666	123	7	1190	208	73	46	453	114	51	1214.2	359	126	258	123	2
444	Building n	74261	35414	7625	3572	588	98	3367	474	392	150	1480	198	162	439	620	1102	748	610	4
4441	Building n	64850	31353	6864	3313	541	74	2936	426	326	94	1149	170	140	427	533	800	636	476	3
445	Food and	147801	65074	17639	7688	1136	1281	7534	466	414	2224	2570	204	310	313	608	2168	1459	413	12
4451	Grocery st	113425	59408	16601	7356	1091	1241	6913	409	323	2016	2329	184	260	189	478	2003	1337	344	10
4453	Beer, win	8357	3163	590	201	30	32	328	11	48	46	104	14	40	1214.2	72	76	74	30	1
446	Health an	72689	34156	717	3492.9	592	366.1	5158.9	737.1	469	803.2	2262.3	264.2	438.3	161	736.7	1193.7	1127.7	374.7	931
44611	Pharmacie	53280	26322	717	3492.9	592	366.1	5158.9	737.1	469	803.2	2262.3	264.2	438.3	1214.2	736.7	1193.7	1127.7	374.7	931
447	Gas statio	48418	17508	3188	988	255	53	1892	140	238	138	1031	83	151	130	385	1184	951	234	4
448	Clothing a	90188	33397	6006	2157	426	130	3292	595	216	747	1344	287	347	299	770	396	948	171	16
4481	Clothing s	65589	24477	4360	1553	330	66	2411	498	163	636	1032	259	269	186	569	272	656	119	11
44811	Men's clot	3474	1335	283	86	9	1	188	8	12	27	42	5	23	52	35	12	37	10	
44812	Women's	18546	6606	1034	343	76	15	600	83	41	175	285	50	39	1214.2	165	45	201	21	4
44814	Family clo	29823	11678	2167	844	189	43	1091	328	79	293	518	172	121	1214.2	242	147	291	58	4
4482	Shoe store	12400	4288	717	234	38	12	432	20	21	49	113	18	42	1214.2	88	55	195	15	3
451	Sporting,	27424	11008	1907	701	99	44	1063	165	119	169	392	99	224	492	250	160	247	52	3
452	General m	132672	61898	13920	5396	689	1237	6598	269	150	424	2503	196	203	225	550	1323	1662	236	8
4521	Departme	48579	23100	5140	1571	430	453	2686	737.1	469	229	886	172	178	1214.2	292	355	556	132	2
452111	Departme	20683	10210	2236	640	592	366.1	1196	737.1	469	141	306	100	165	1214.2	123	42	242	45	1

4. DATA VISUALIZATION

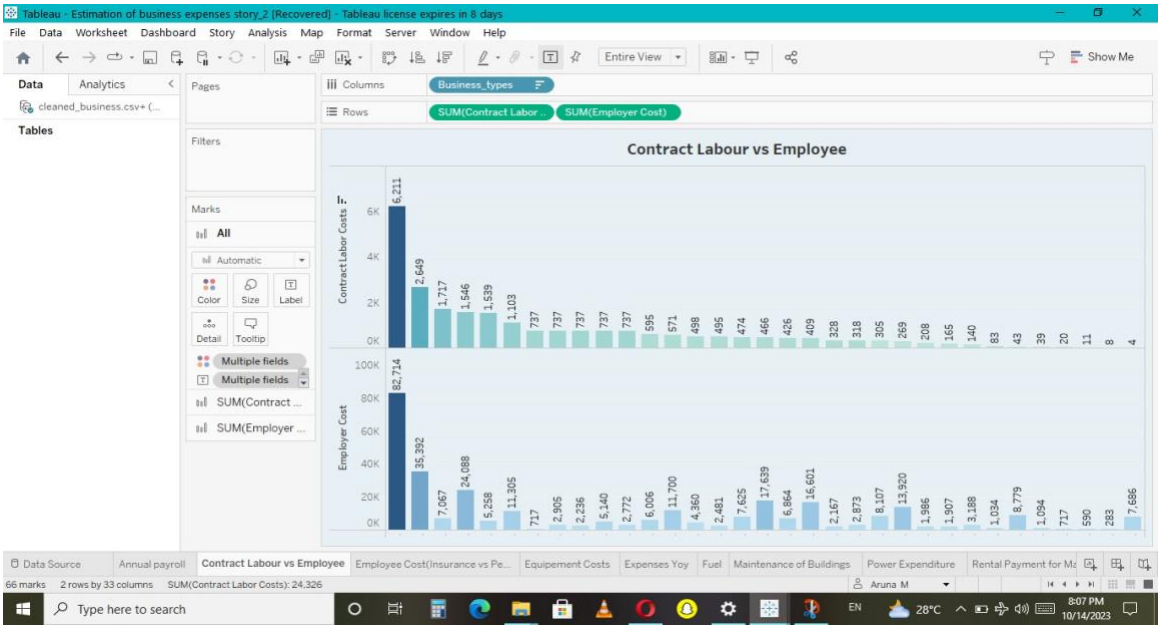
4.1 ANNUAL PAYROLL



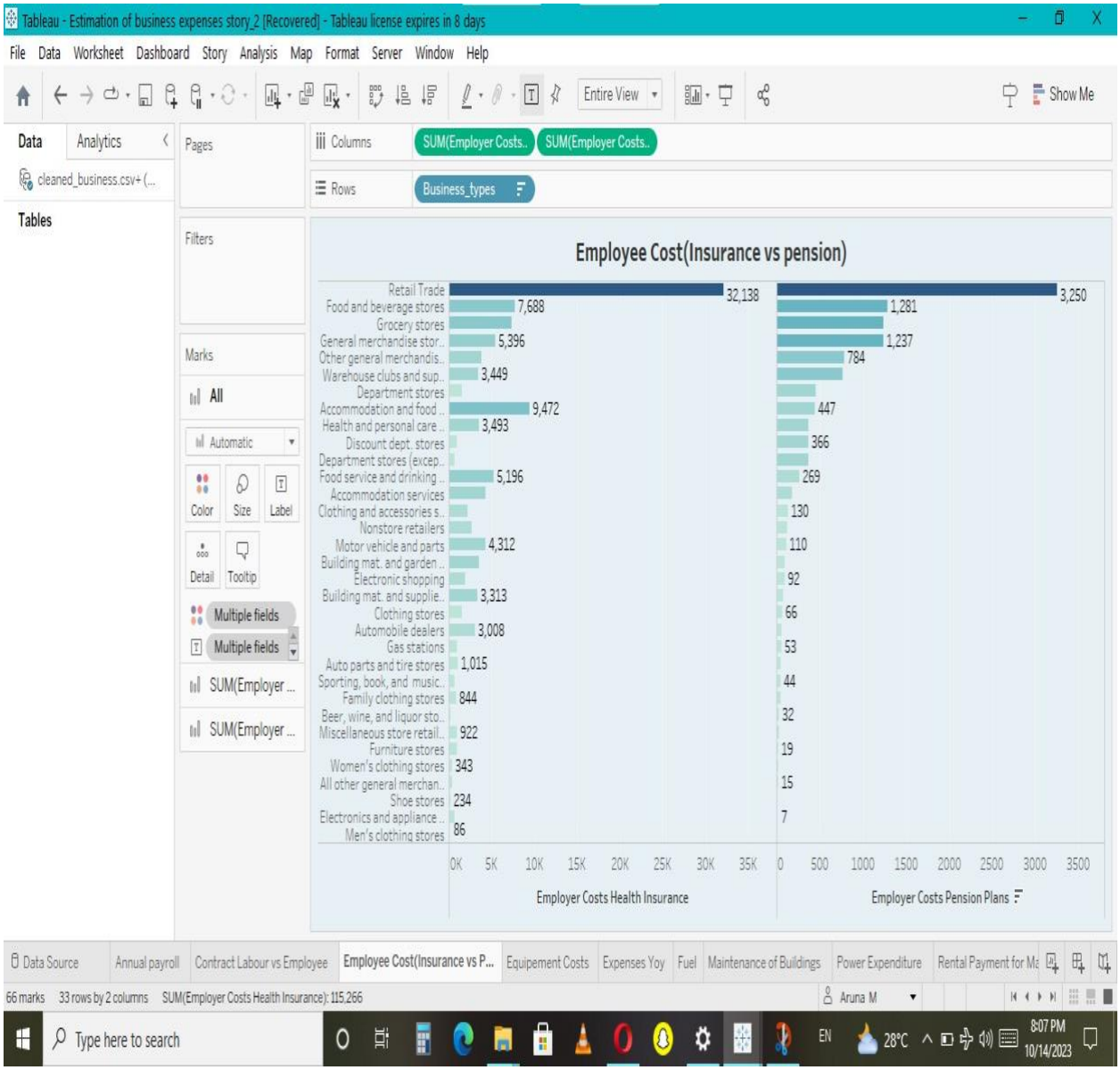
4.2 ADVERTISEMENT COST



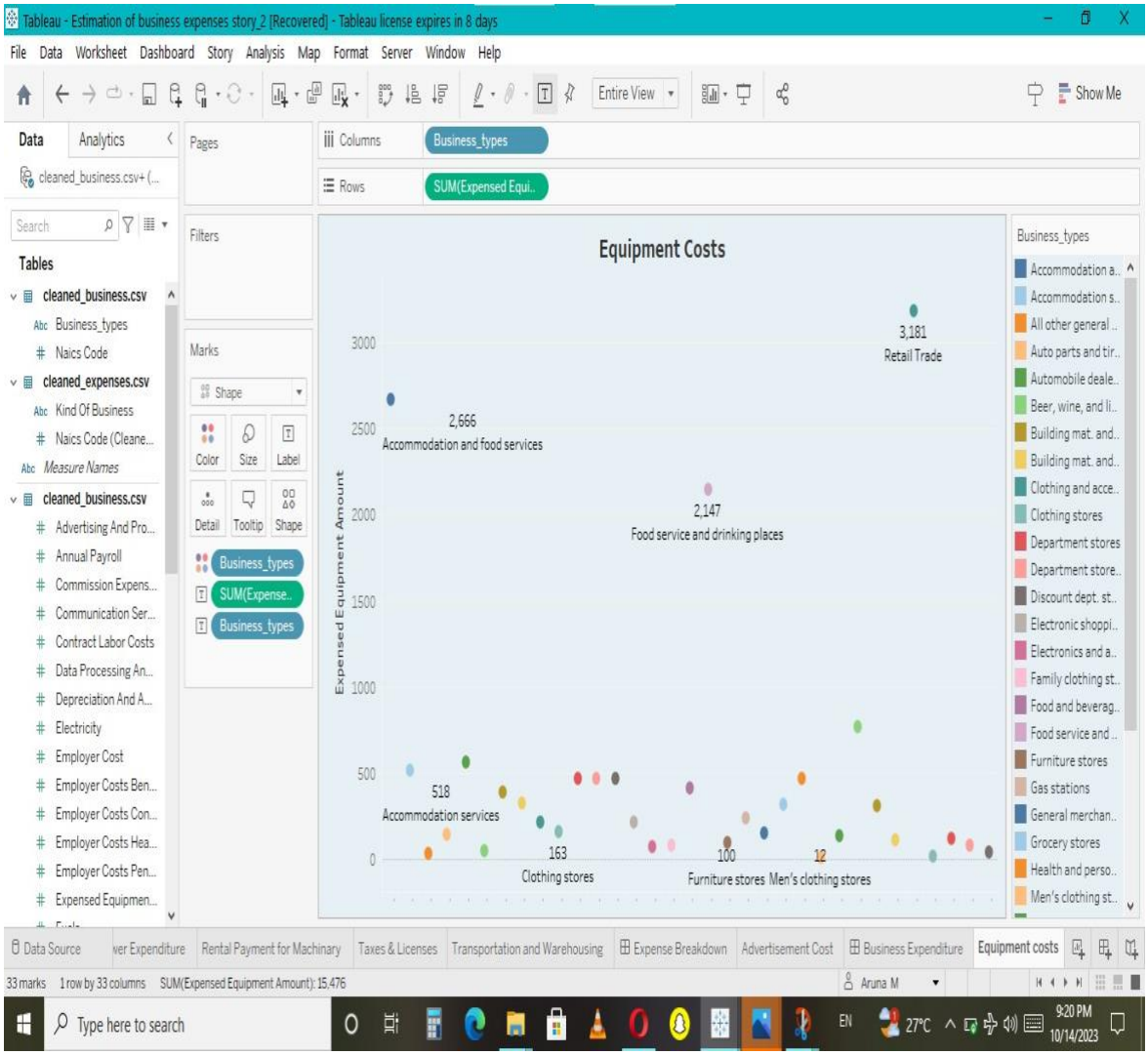
4.3 CONTRACT LABOUR VS EMPLOYEES



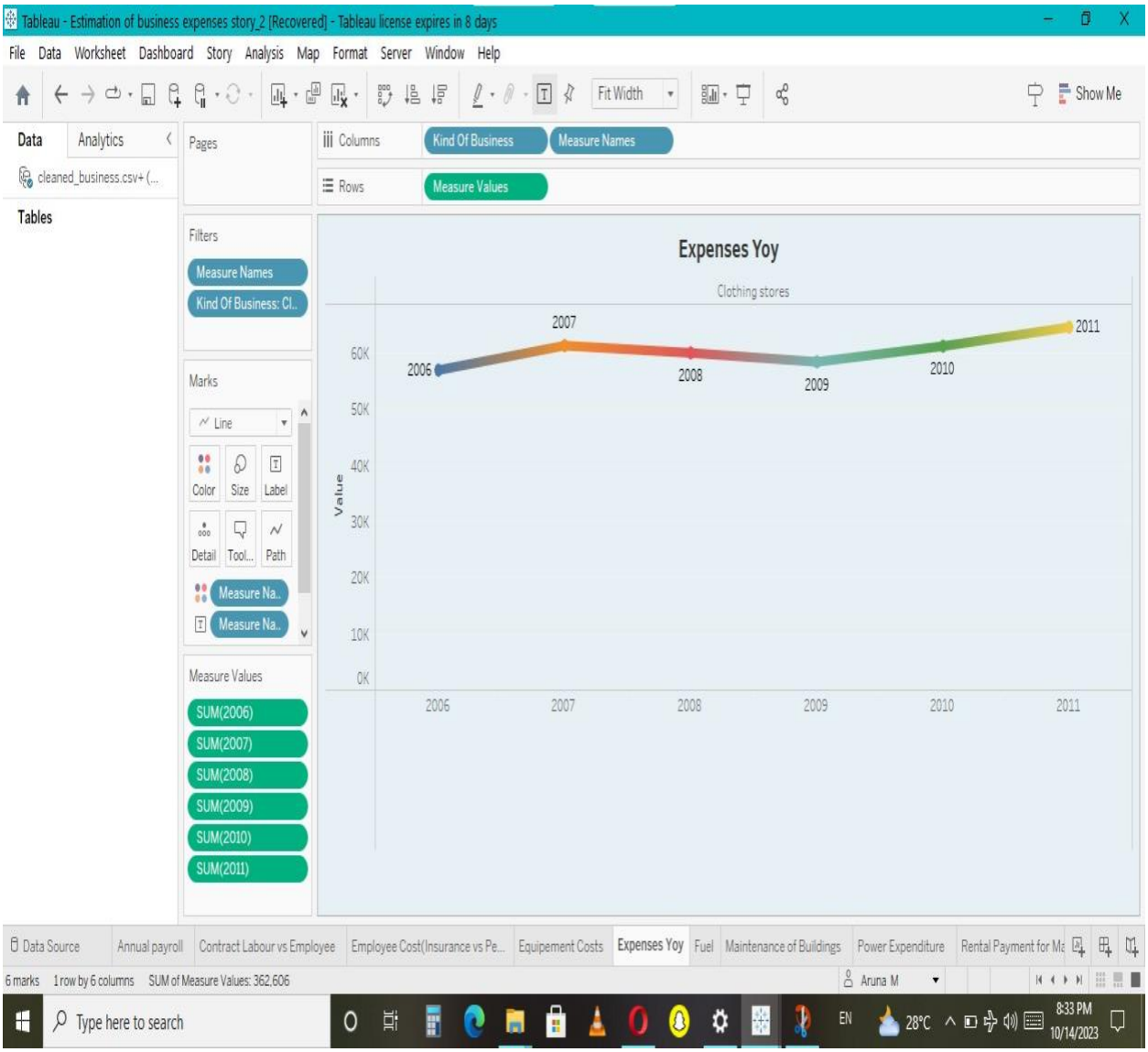
4.4 EMPLOYEES (INSURANCE VS PENSION)



4.5 EQUIPMENT COST



4.6 EXPENSES YOY



4.7 FUEL

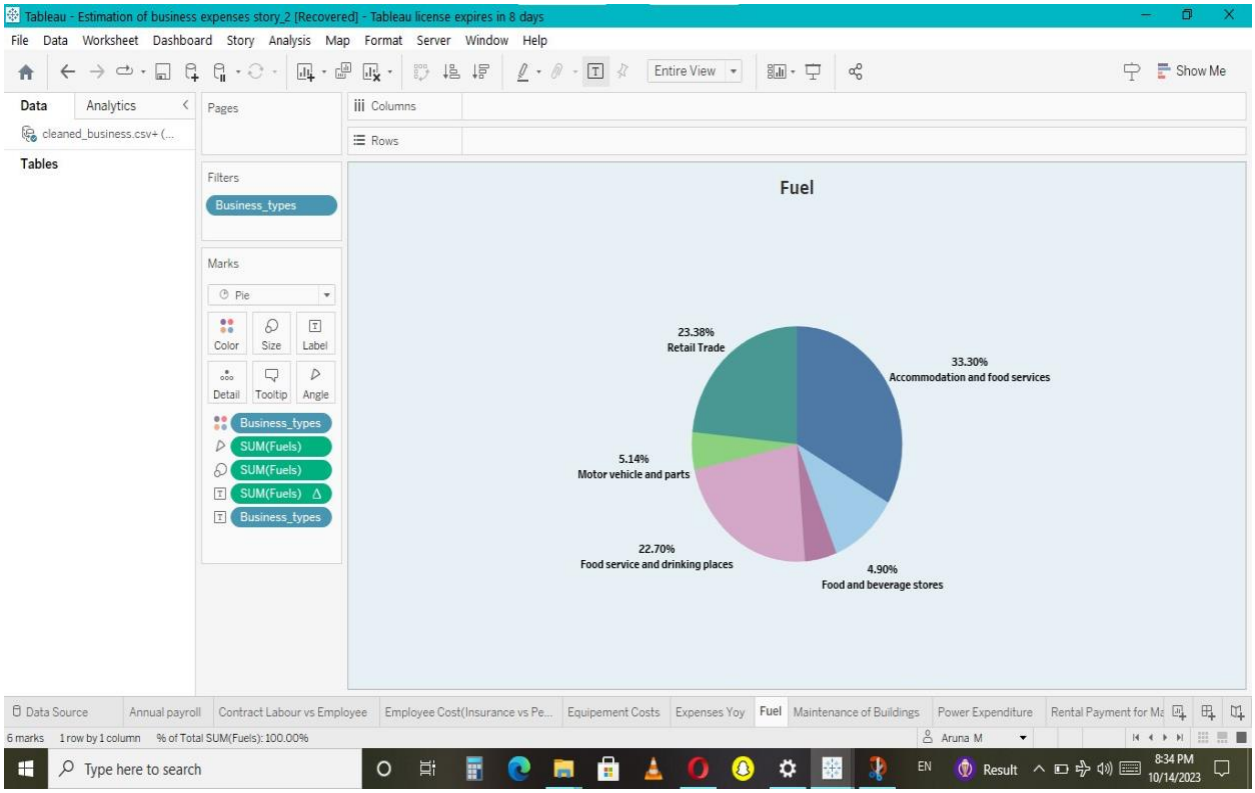


Tableau - Estimation of business expenses story_2 [Recovered] - Tableau license expires in 8 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
cleaned_business.csv+ (...
Tables
Pages
Columns
Rows
Filters
Business_types
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
Business_types
SUM(Fuels)
SUM(Fuels)
SUM(Fuels)
Business_types
Fuel
23.38%
Retail Trade
33.30%
Accommodation and food services
5.14%
Motor vehicle and parts
22.70%
Food service and drinking places
4.90%
Food and beverage stores
Data Source
Annual payroll
Contract Labour vs Employee
Employee Cost(Insurance vs Pe...
Equipement Costs
Expenses Yoy
Fuel
Maintenance of Buildings
Power Expenditure
Rental Payment for Ma
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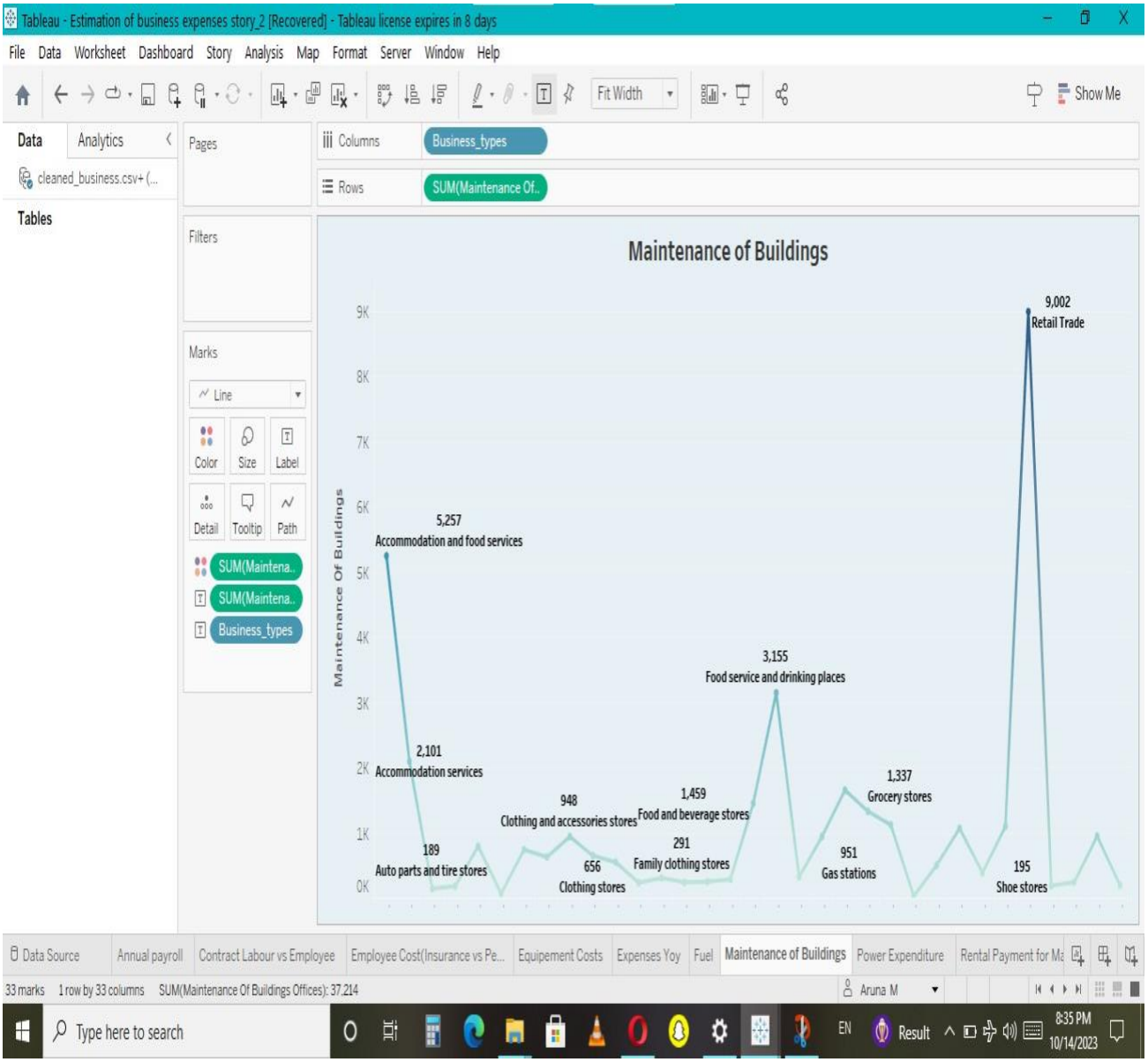
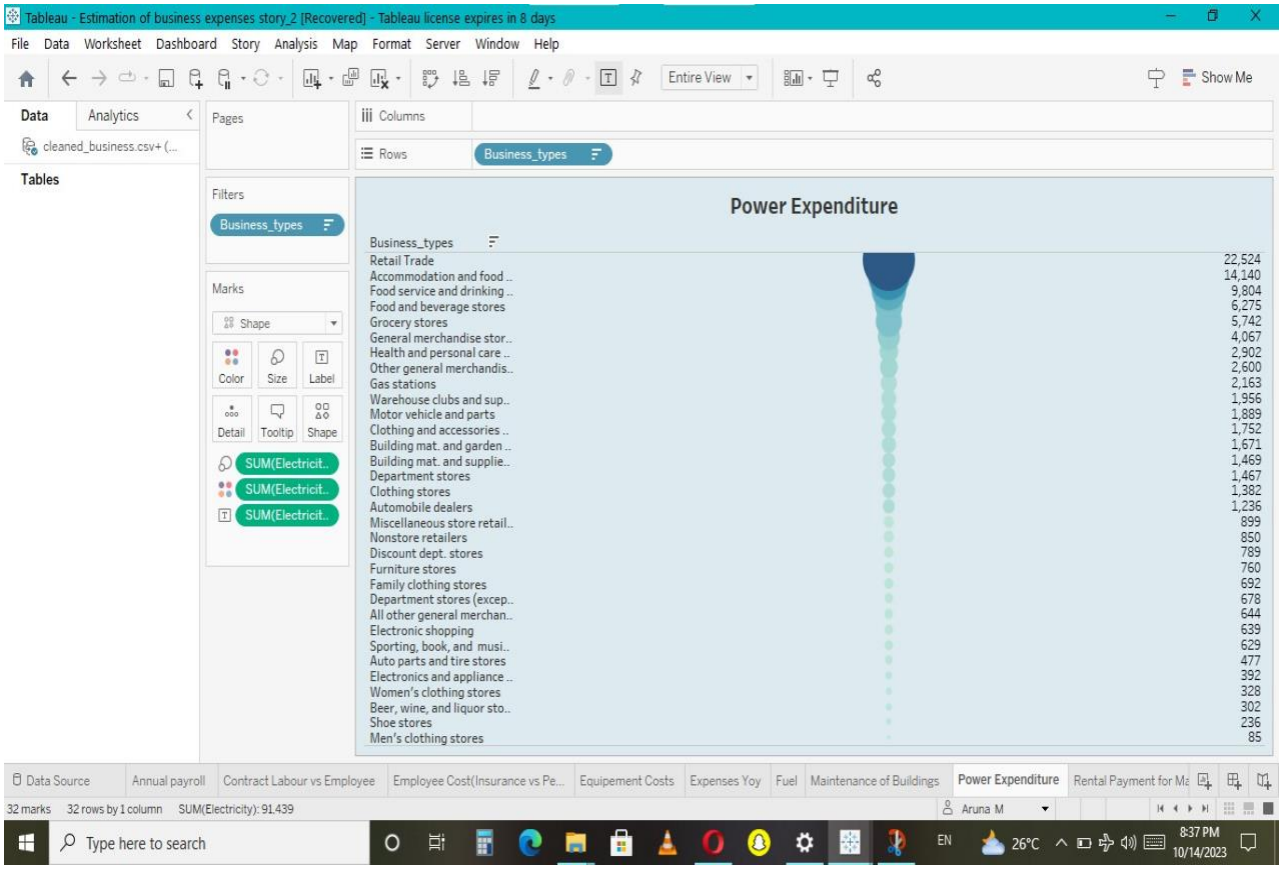
Result
8:34 PM
10/14/2023

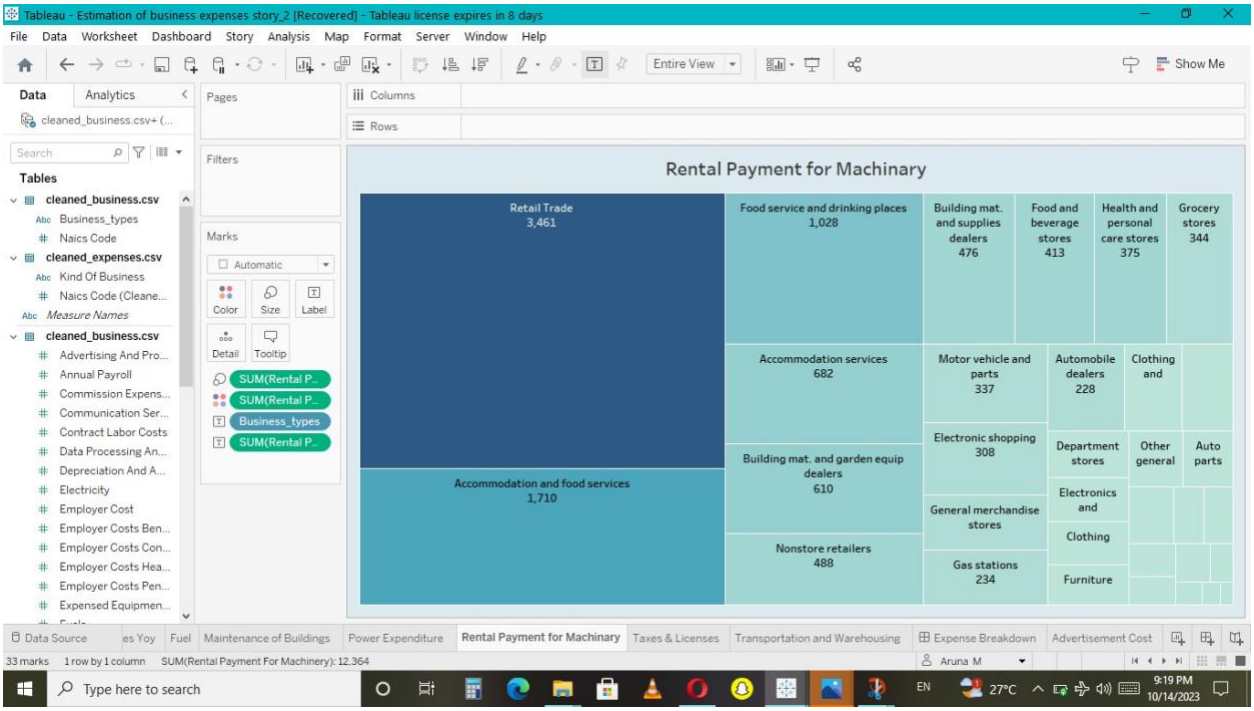
4.8 MAINTENANCE OF BUILDINGS



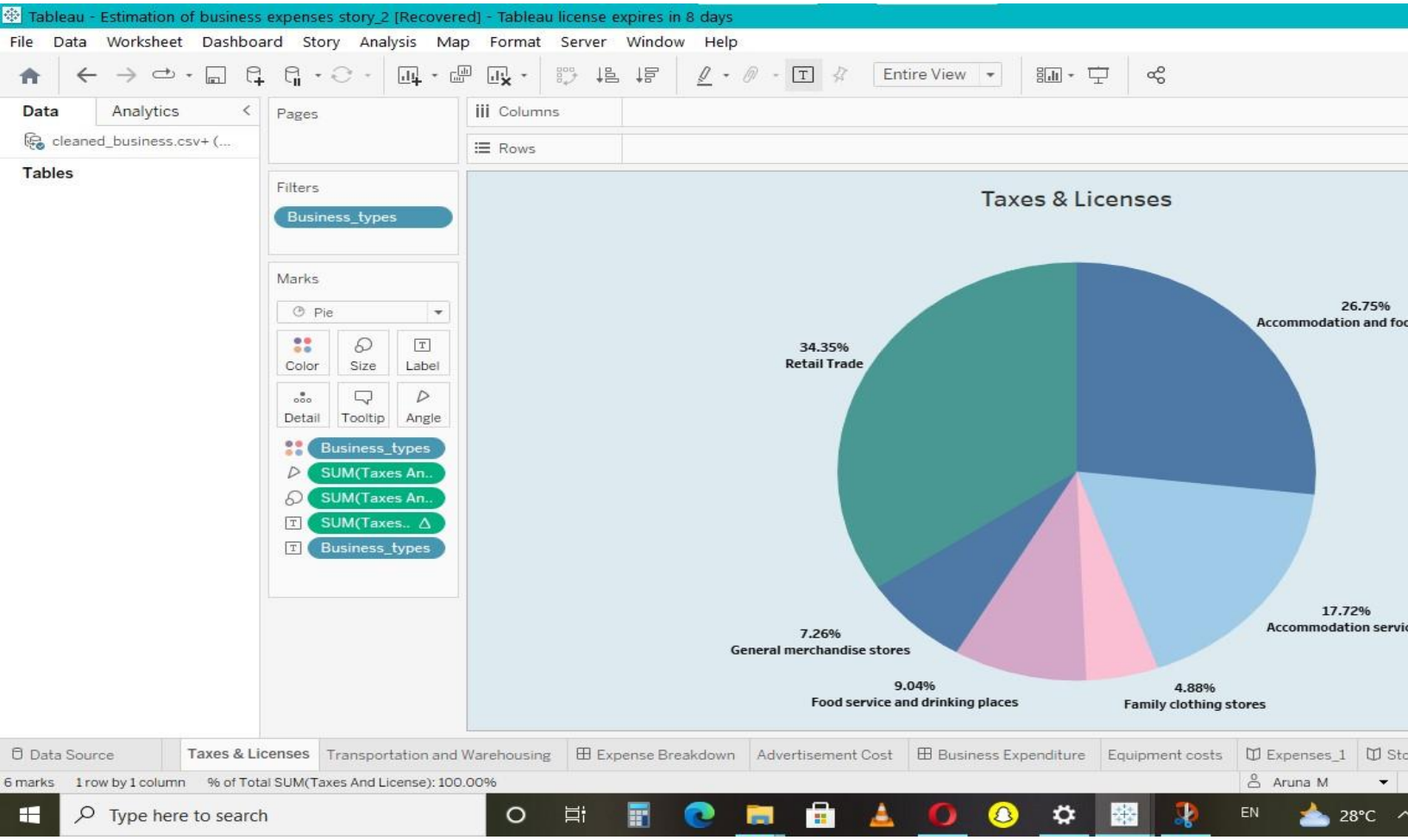
4.9 POWER EXPENDITURE



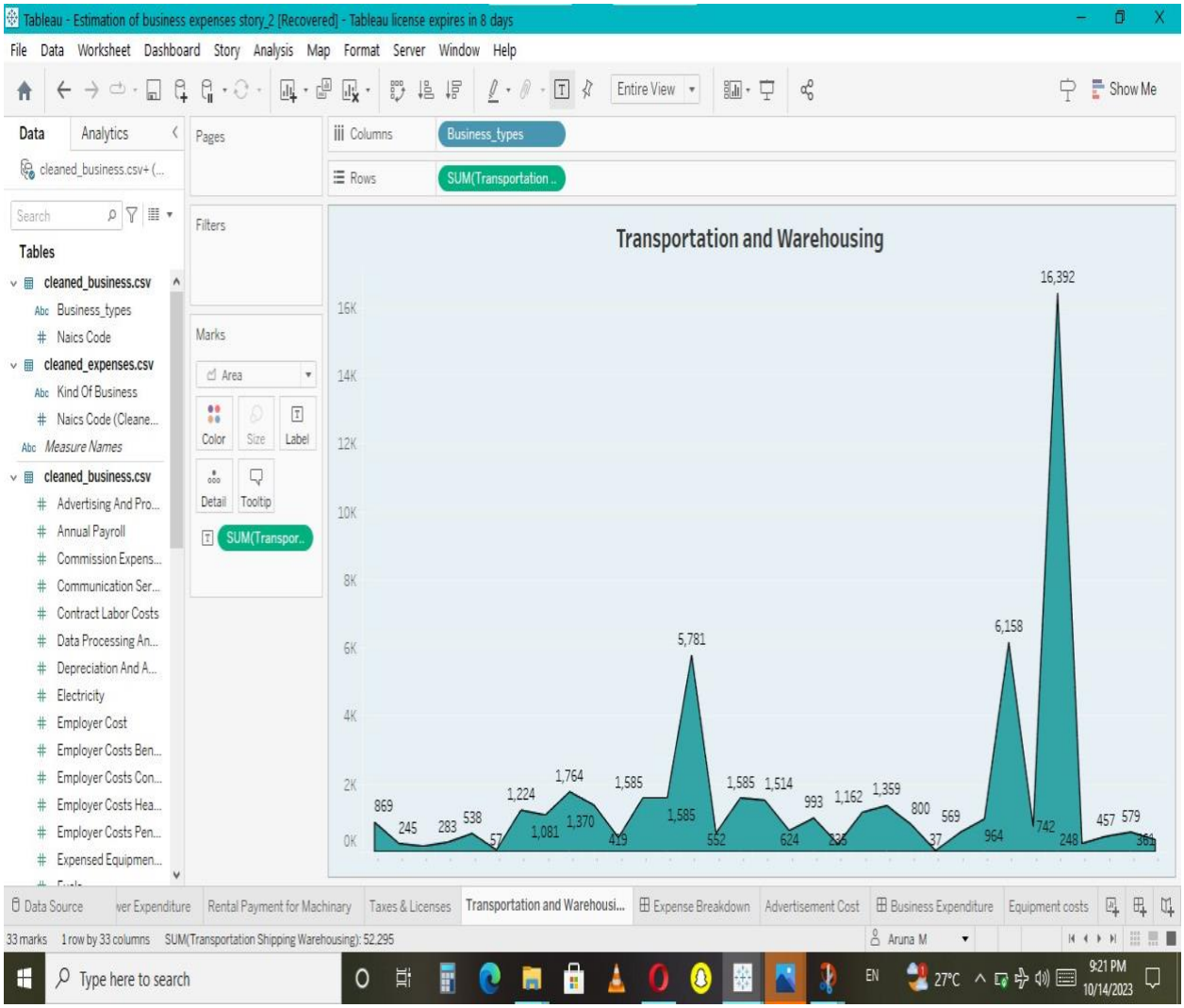
4.10 RENTAL PAYMENT MACHINERY



4.11 TAXES & LICENSES

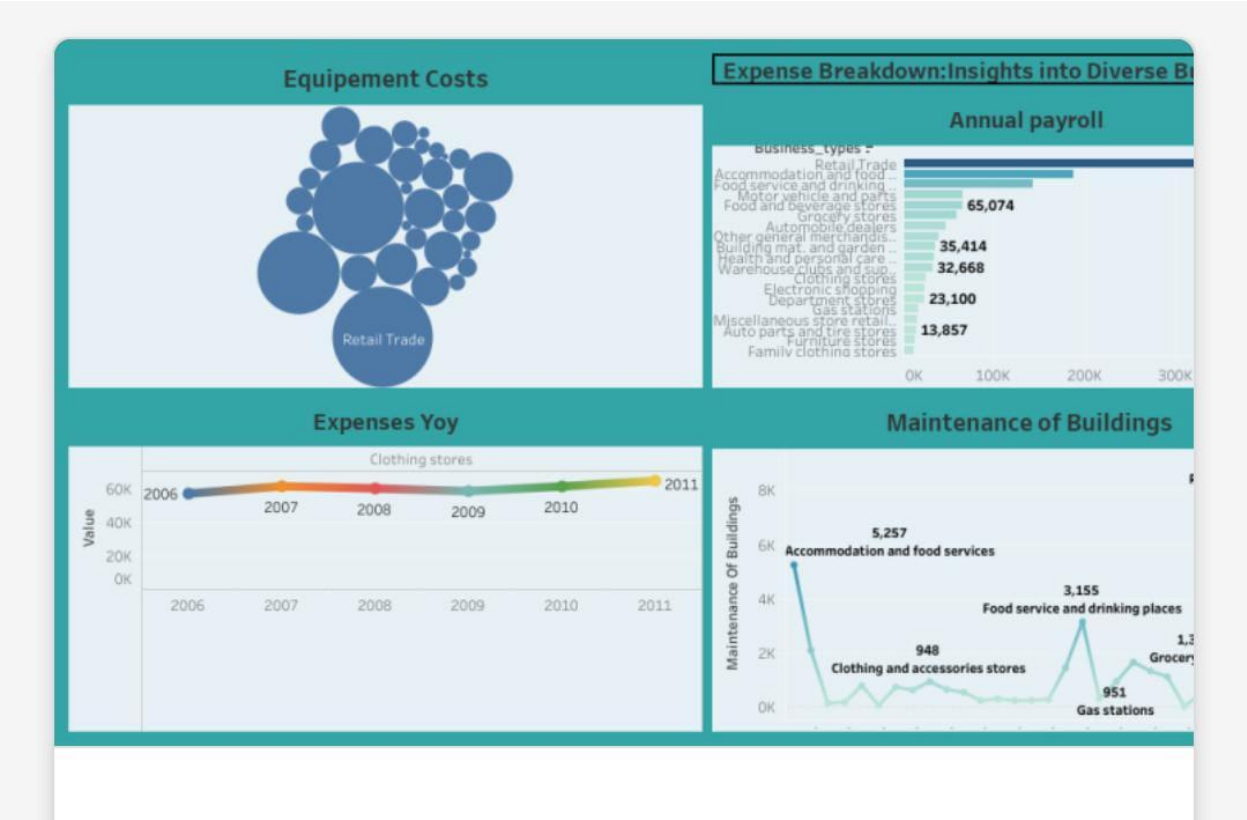


4.12 TRANSPORTATION

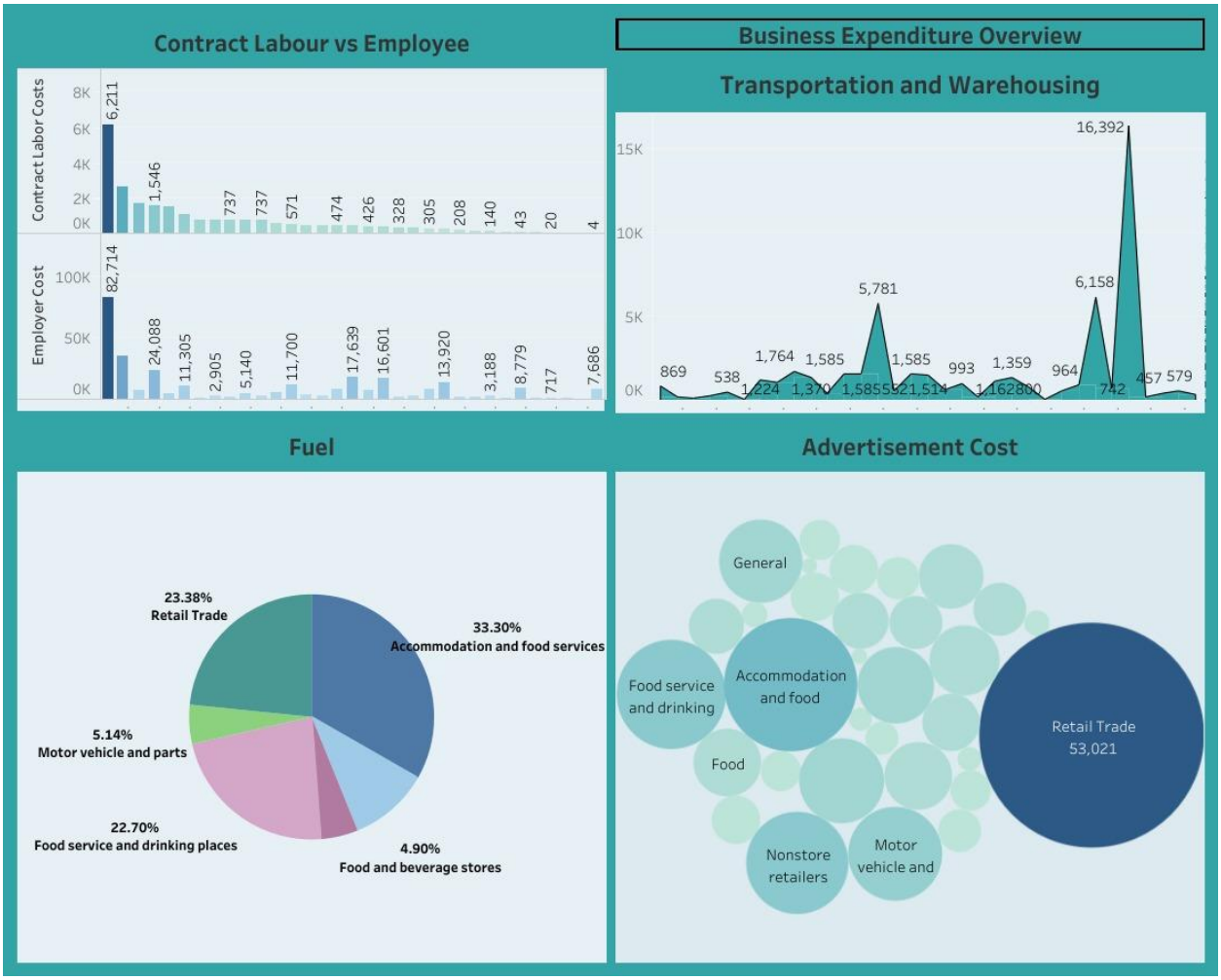


5.RESULT

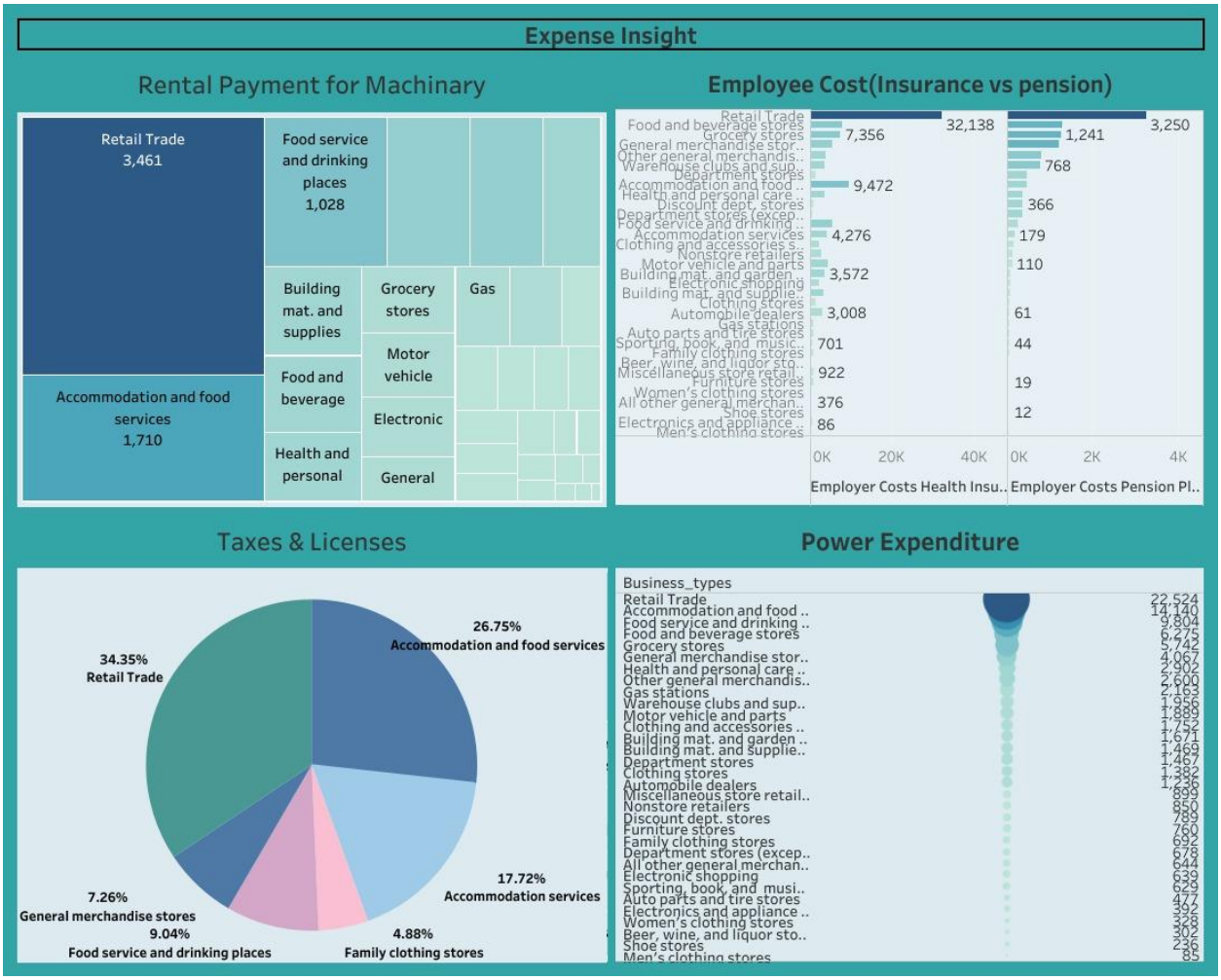
5.1 DASHBOARD -1



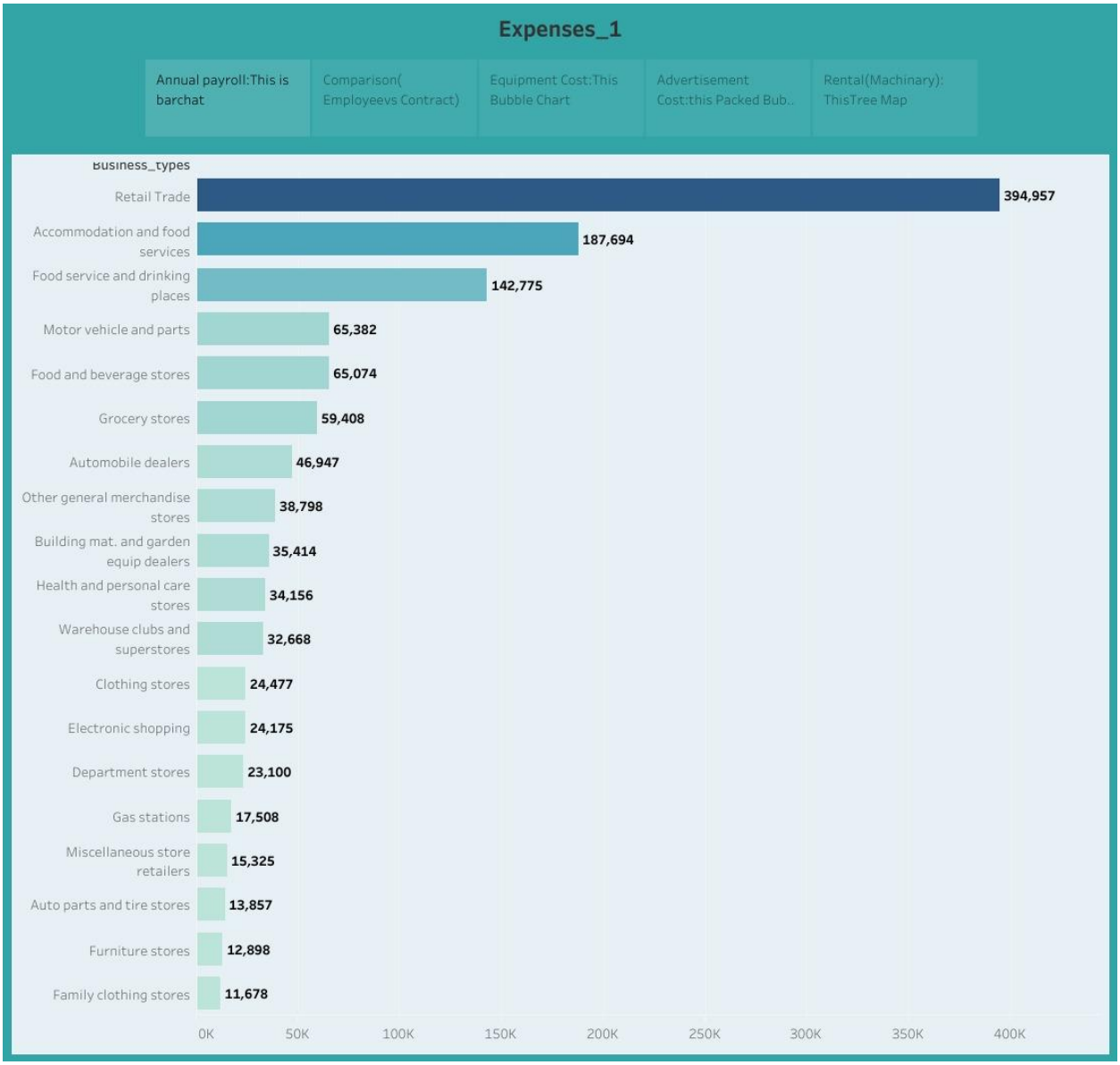
5.2 DASHBOARD -2



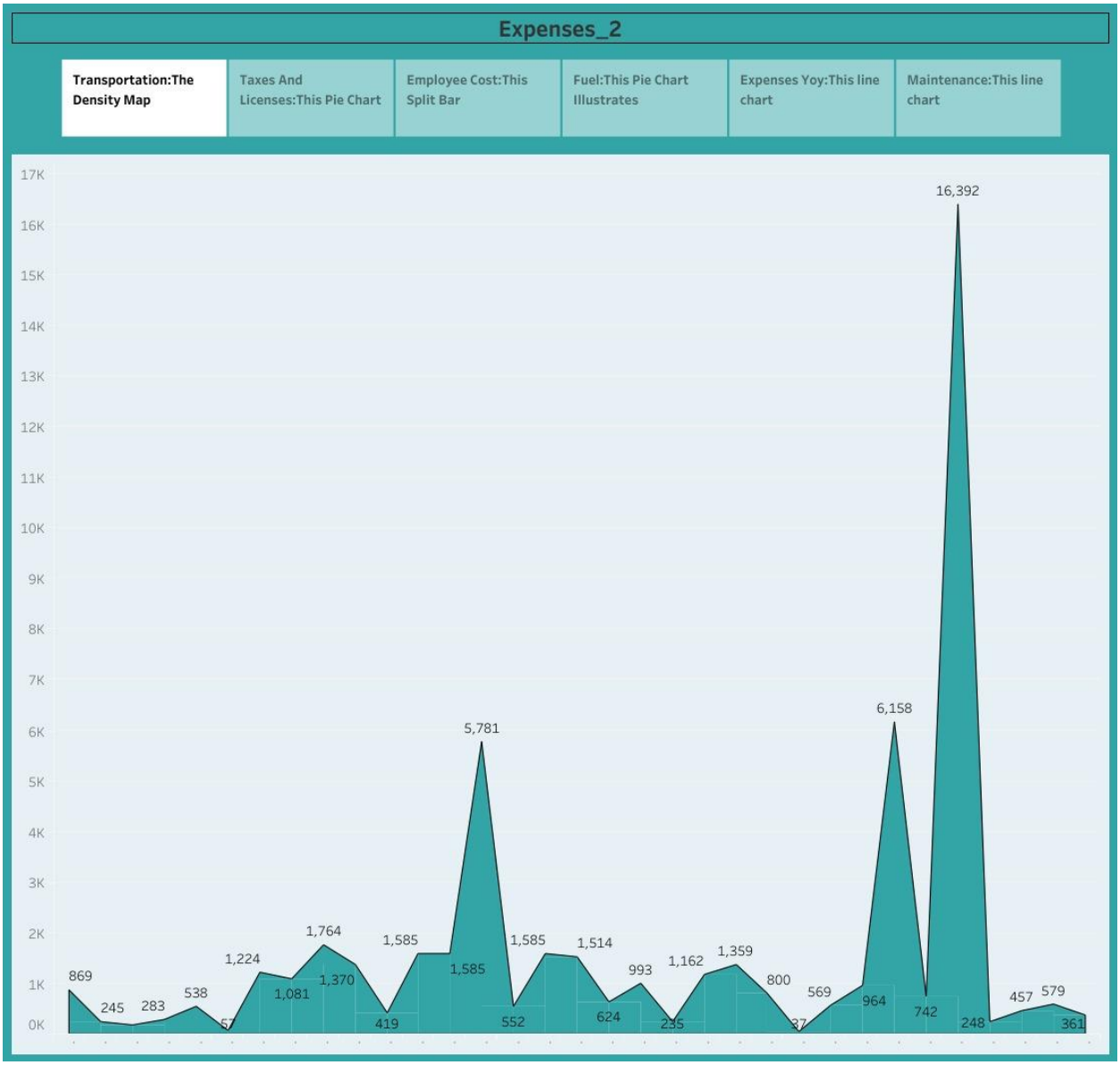
5.3 DASHBOARD -3



5.4 STORY-1


Expenses_1
Annual payroll:This is barchat
Comparison(Employeevs Contract)
Equipment Cost:This Bubble Chart
Advertisement Cost:this Packed Bub..
Rental(Machinary): ThisTree Map
Business_types
Retail Trade
394,957
Accommodation and food services
187,694
Food service and drinking places
142,775
Motor vehicle and parts
65,382
Food and beverage stores
65,074
Grocery stores
59,408
Automobile dealers
46,947
Other general merchandise stores
38,798
Building mat. and garden equip dealers
35,414
Health and personal care stores
34,156
Warehouse clubs and superstores
32,668
Clothing stores
24,477
Electronic shopping
24,175
Department stores
23,100
Gas stations
17,508
Miscellaneous store retailers
15,325
Auto parts and tire stores
13,857
Furniture stores
12,898
Family clothing stores
11,678
0K
50K
100K
150K
200K
250K
300K
350K
400K

5.5 STORY -2


Expenses_2
Transportation:The Density Map
Taxes And Licenses:This Pie Chart
Employee Cost:This Split Bar
Fuel:This Pie Chart Illustrates
Expenses Yoy:This line chart
Maintenance:This line chart
17K
16K
15K
14K
13K
12K
11K
10K
9K
8K
7K
6K
5K
4K
3K
2K
1K
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869
245
283
538
57
1,224
1,081
1,370
1,764
419
1,585
1,585
5,781
552
1,585
1,514
624
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235
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1,359
800
37
569
964
6,158
742
16,392
248
457
579
361

6.PUBLICATIONS IN TABLEAU PUBLIC

6.1 PUBLICATION OF DASHBOARD -1

6.2 PUBLICATION OF DASHBOARD -2

10:12 10%

tableau public

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Estimation of business expenses dashboard 2

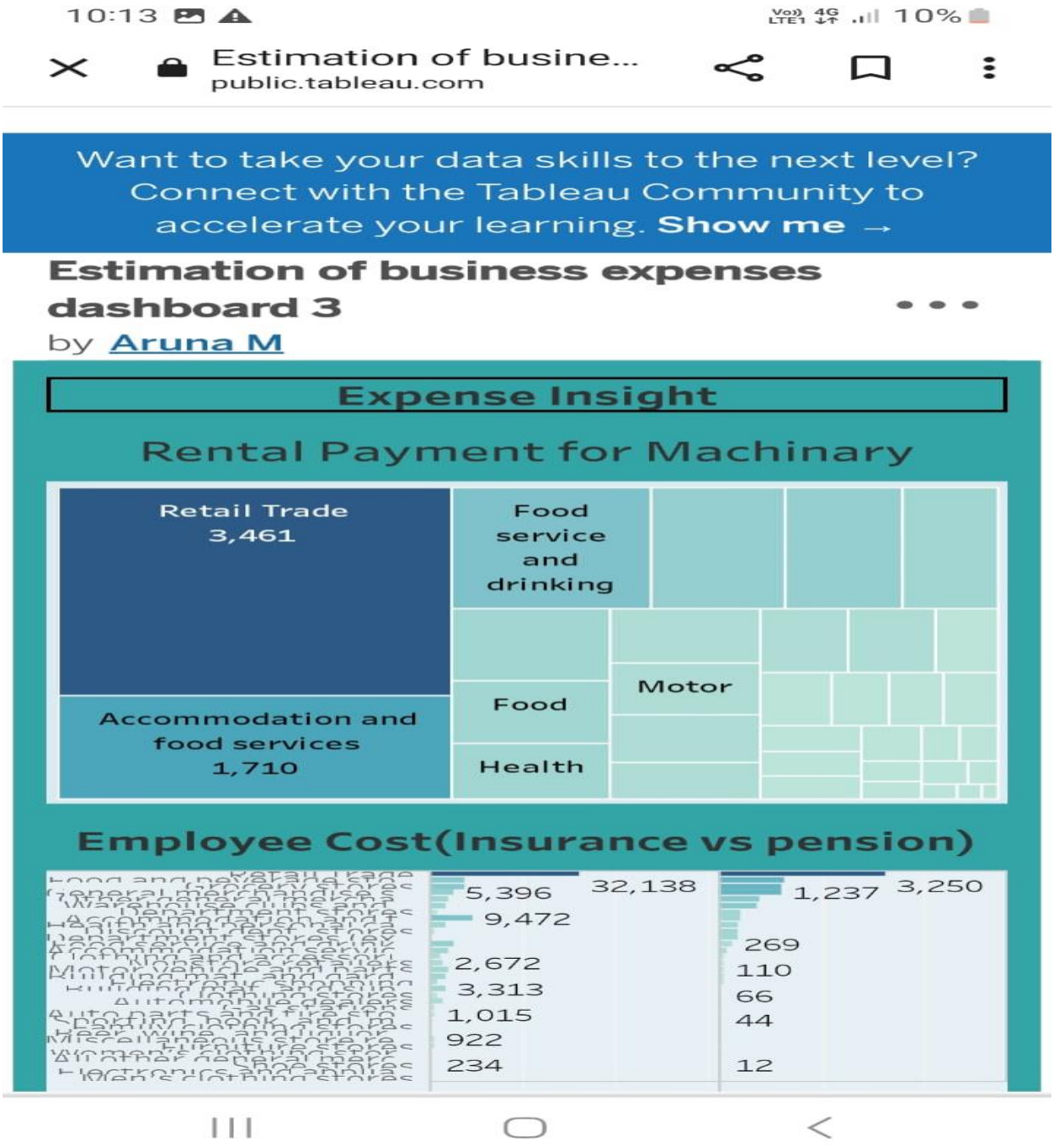
by Aruna M

Business Expenditure Overview

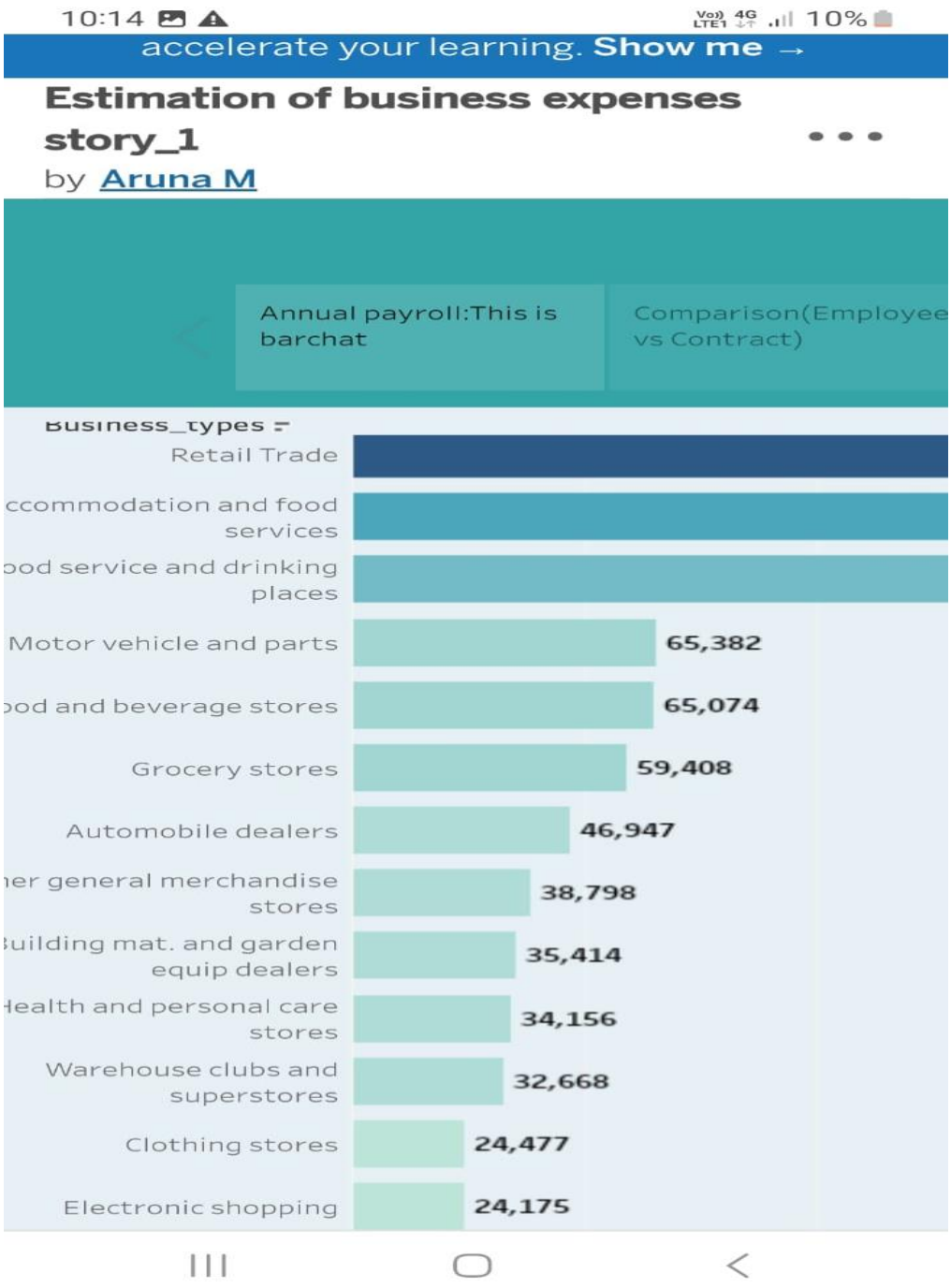
Contract Labour vs Employee

Transportation and Warehousing

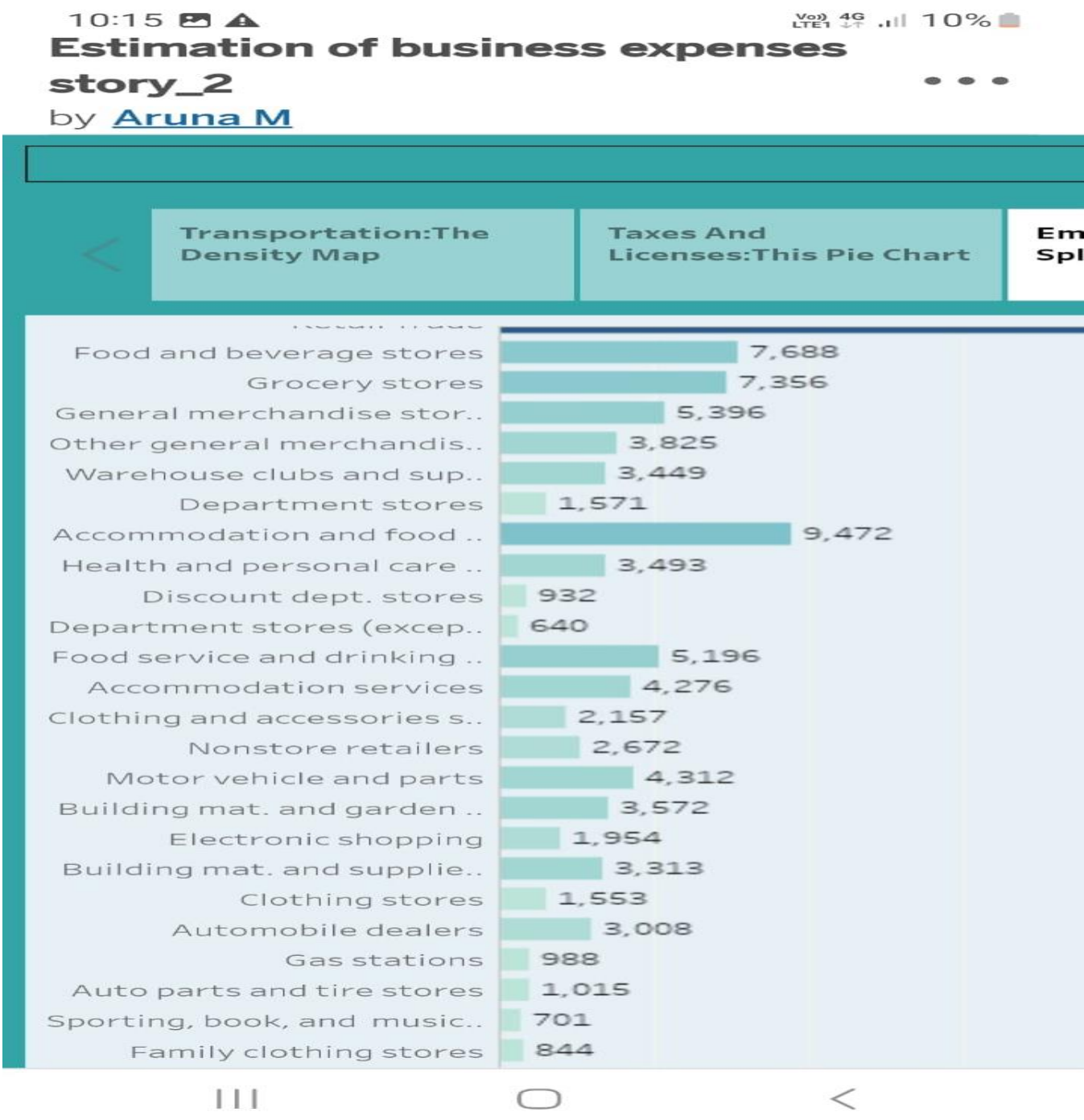
6.3 PUBLICATION OF DASHBOARD -3



6.4 PUBLICATION OF STORY -1



6.5 PUBLICATION OF STORY -2



7. ADVANTAGES AND DISADVANTAGES

7.1 ADVANTAGES

Cost estimation helps you determine your project's budget, schedule the work necessary and manage new resources. Cost estimates are also very crucial when it comes to winning new business.

Property owners also use cost estimates to assess the feasibility of their projects before embarking on actual construction. This article will give an in-depth overview of the purpose of cost estimation in construction.

7.2 DISADVANTAGES

- Expenditures/unwanted costs occurred between processes are difficult to prevent.
- Very expensive.
- No standard procedure in estimation.

- Not useful for cost efficient and fast paced jobs.
- More clerical work is required.
- More number of people are required for a single job/project.
- No cost control.
- Jobs depend on the market conditions.
- Correction can’t be done if estimated profit is higher than actual profit.
- Should maintain proper record work, otherwise it leads to major loss.
- Not 100% accurate.
- Historical in nature**.**

8. APPLICATION

- Estimates are documents that provide approximate costs for a project. Small businesses create them for potential clients so both parties are clear on the ins and outs of a project before it starts .
- Estimates help small businesses draw up budgets, evaluate cash flow and manage

client expectations. Estimates also help a business owner decide on the overall scope of a project (what it does and doesn't include) while also nailing down all the fine details that will go into said project.

These are all things which make projects run more smoothly and make sure a company continues to get new clients and business. Though an estimate may be extra work upfront, it will pay off in successful projects and more revenue down the line.

9.CONCULSION

cost estimation is an important component of project management that ensures projects are

finished on schedule and within budget. Since inaccurate cost estimates can have serious financial consequences for businesses, accurate cost estimating is crucial for all stakeholders engaged in a project. It is crucial to consider a variety of elements that affect cost build-up, such as the complexity of the project, scale and scope, time, proper project planning, familiarity with essential procedures, and the client's financial status, in order to increase the accuracy of cost estimating.

10.FUTURE SCOPE

Cost estimation in project management is the process of forecasting the financial and

other resources needed to complete a project within a defined scope. Cost estimation accounts for each element required for the project — from materials to labor — and calculates a total amount that determines a project's budget.

An initial cost estimate can determine whether an organization greenlights a project. If the project moves forward, the estimate can be a factor in defining the project's scope. If the cost estimation comes in too high, an organization may decide to pare down the project to fit what they can afford (it is also required to begin securing funding for the project). Once the project is in motion, the cost estimate is used to manage all of its affiliated costs in order to keep the project on budget.