



NAAN MUDHALAVAN

Project Based Experiential Learning

ESTIMATION OF BUSINESSES EXPENSE

Under the guidance of

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BON SECOURS COLLEGE FOR WOMEN

NAAC Accredited with A++ Grade in cycle II

Affiliated to Bharathidasan University,
Tiruchirappalli UGC Recognized by 2(f) and 12(B)
Institutions Villar Bypass, Thanjavur -613006.



ESTIMATION OF BUSINESSES EXPENSE

Submitted by

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Team members: Ms.S.kanimozhi.

Ms.R.Harini.

Ms.M.Mahalaskhmi.

PROJECT REPORT

1.INTRODUCTION

1.1 Overview

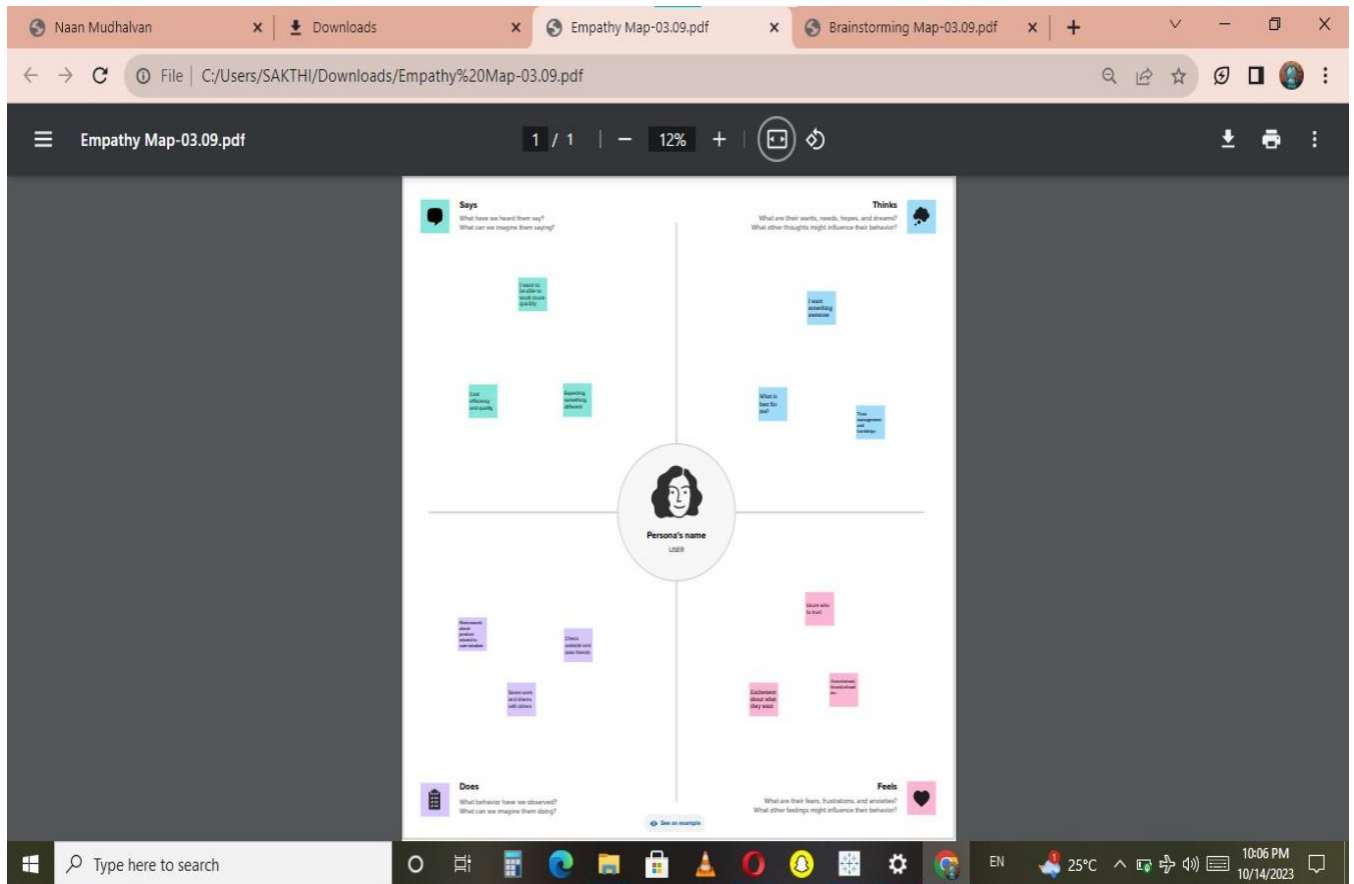
Estimating business expenses is an important step in determining how much money you need to start and keep your business running without encountering cash flow problems. Every business has different requirements, depending on the type of products or services it sells, the size of the company, and the 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

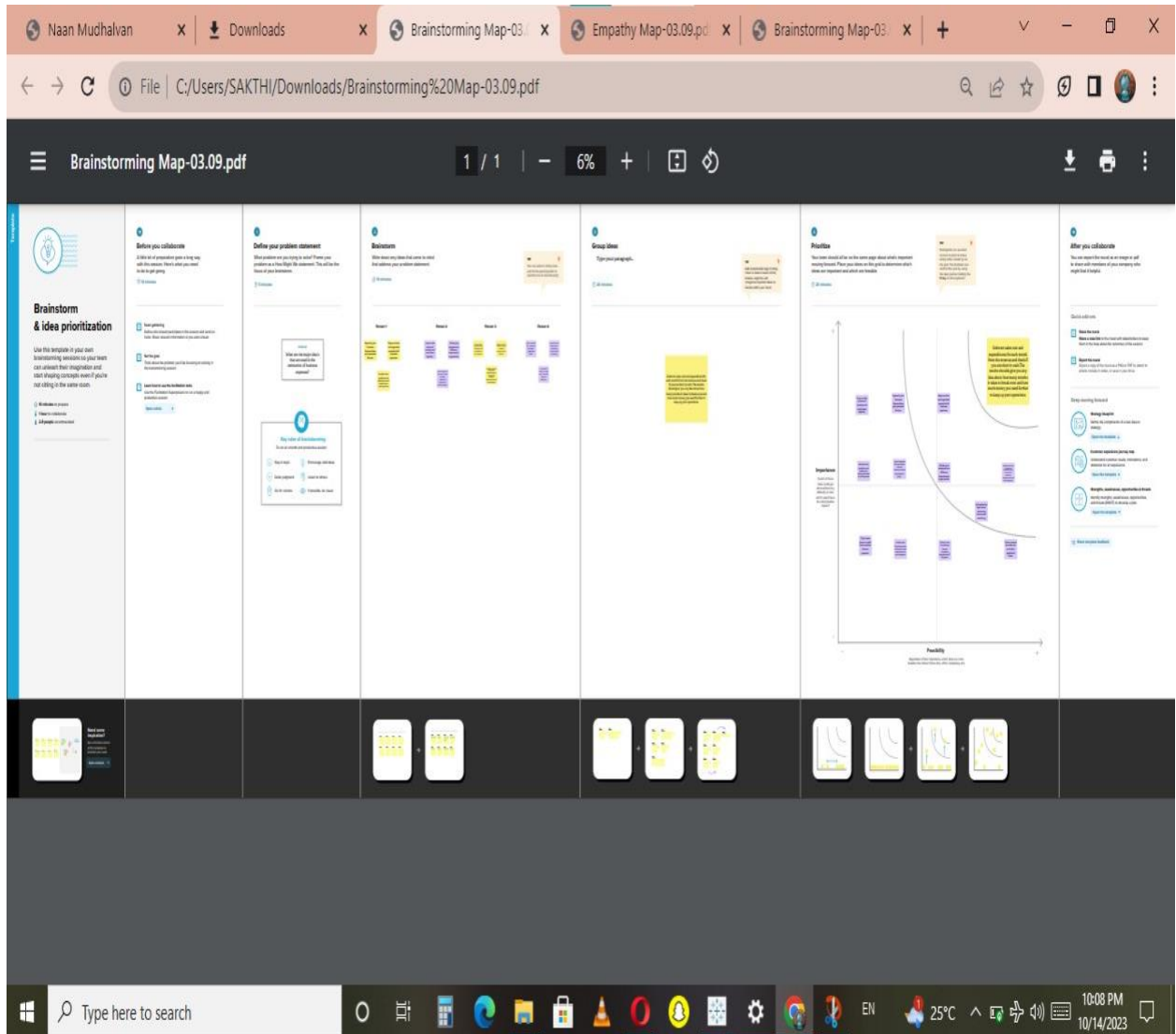
Estimates are important because they allow businesses to set expectations for their customers. They also help businesses determine whether or not a project is feasible and how much profit they can expect to make. Estimating also allows businesses to plan for unforeseen expenses and keep track of spending.

2.PROBLEMS DEFINITION & DESIGN THINKING

2.2 EMPATHY MAP



2.2 IDEATION & BRAINSTORMING MAP.



3. DATA SET

3.1 CLEANED BUSINESSES

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

naics_code	business	operating	annual	employee	employer	employee	employee	contract	f	expensed	packaging	parts	purchases	data	proc	commissi	commun	repairs	ar	maintena	rental	parental
4445	Retail tra	916307	350957	82724	32139	5899	3220	41427	6211	3181	3802	15964	2583	4425	7342	7799	9144	9002	3461	87		
441	Motor veh	130153	45382	11700	4312	548	110	6729	571	768	150	2475	467	1824	1157	1640	907	1076	317	9		
4411	Automobi	92263	46947	8107	3008	362	61	4676	305	564	90	1537	388	1660	1011	612	535	800	228	6		
4413	Auto part	27670	13857	2772	1015	145	48	1564	737.1	147	39	727	50	109	1214.2	817	284	189	96	2		
442	Furniture	34721	12899	2481	917	130	15	1416	495	100	154	528	88	99	369	304	238	330	114	3		
443	Electronic	26027	11044	1586	666	123	7	1190	208	73	46	453	114	51	1214.2	359	128	258	123	2		
444	Building m	74261	35414	7625	3572	588	98	3187	474	192	150	1480	198	162	439	620	1103	748	610	4		
4441	Building m	64850	31353	6864	3313	541	74	2936	425	326	94	1149	170	140	427	533	800	636	476	3		
445	Food and	147001	65074	17939	7688	1136	1281	7534	466	414	2224	2570	204	310	313	608	2168	1459	413	12		
4451	Grocery st	133425	59408	16401	7356	1091	1241	8913	409	323	2018	2329	184	260	189	478	2003	1337	344	10		
4453	Beer, win	8357	3163	590	201	30	32	326	11	48	45	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	409	803.2	2262.3	264.2	436.3	1214.2	736.7	1193.7	1127.7	374.7	931		
44611	Pharmaci	53290	26522	717	3492.9	592	366.1	5158.9	737.1	409	803.2	2262.3	264.2	436.3	1214.2	736.7	1193.7	1127.7	374.7	931		
447	Gas statio	48418	17508	3188	988	255	53	1892	140	338	138	1031	83	151	130	385	1184	951	234	4		
448	Clothing a	90188	33197	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	549	272	656	119	11		
44811	Men's clo	3474	1335	283	86	9	1	388	8	12	27	42	5	23	52	35	12	37	10			
44812	Women's	18546	6609	1094	343	76	15	600	83	41	175	285	50	39	1214.2	160	45	201	21	4		
44814	Family clc	29823	11678	2167	844	189	43	1091	328	79	293	518	172	121	1214.2	242	147	291	58	4		
4482	Shoe store	12400	4268	717	214	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	61899	13920	5399	689	1237	6098	269	130	424	2303	196	203	225	530	1323	1662	236	8		
4521	Departme	48579	23100	5140	1571	430	453	2696	737.1	489	229	886	172	178	1214.2	292	355	556	132	2		
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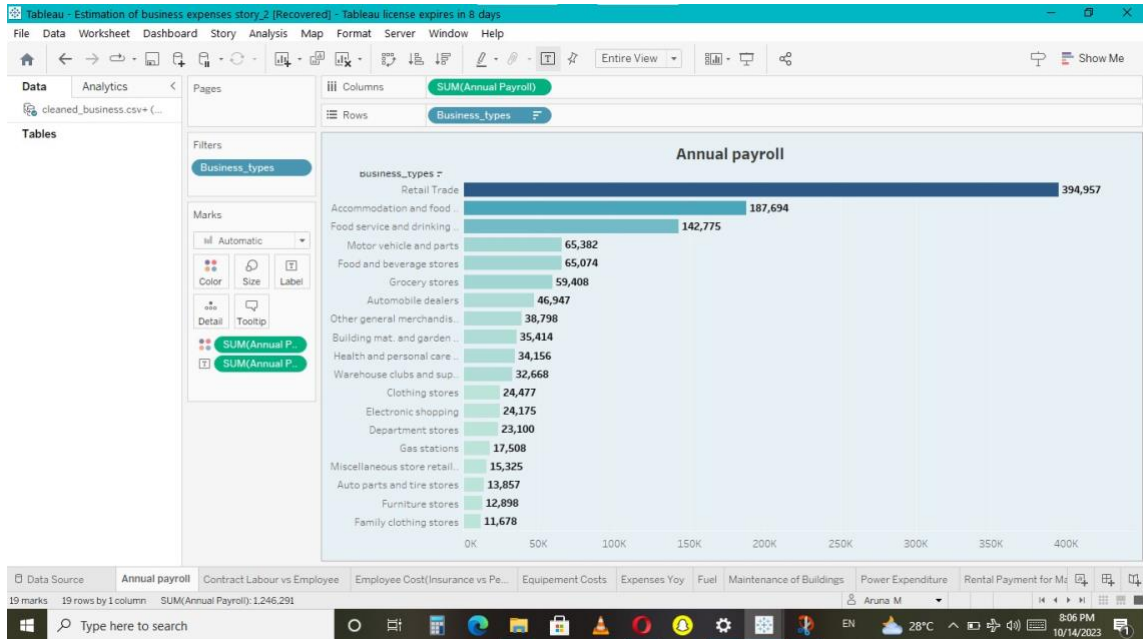
3.2 CLEANED EXPENSES

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

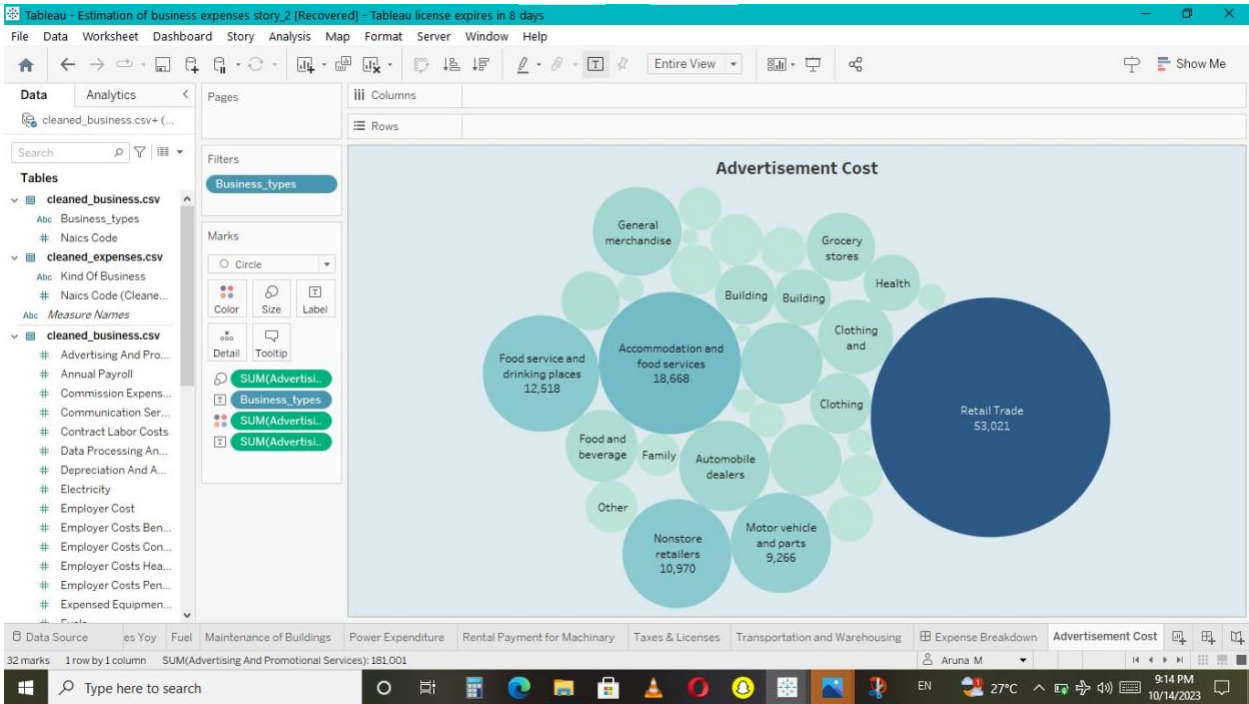
naics_code	kind_of_b	2014	2013	2012	2011	2010	2009	2008	2007	2006
4445	Retail tra	960110	941766	916307	862783	854470	831722	875100	876257	832785
441	Motor ve	141144	135156	130153	121269	114030	110254	127127	136859	131066
4411	Automot	100766	95858	92263	83830	78663	75131	88647	98124	94112
4413	Auto par	28320	28470	27670	27949	25826	25025	23925	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	64830	63903	62909	65020	74905	77205	73738
445	Food and	156104	148653	147601	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	78157	74863	72689	69926	67573	65225	64580	61482	56589
4461	Health a	78157	74863	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	83278	77757
4481	Clothing	67694	67335	65589	64604	61231	58439	60034	61329	59599
44811	Mens clc	4015	3804	3474	3245	3057	3336	3845	4031	4097
44812	Women	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	49276	49638	50478	53340	55412	56093
452111	Depart	19243	20102	20683	21155	20985	21473	24175	26055	27363

4. DATA VISUALIZATION

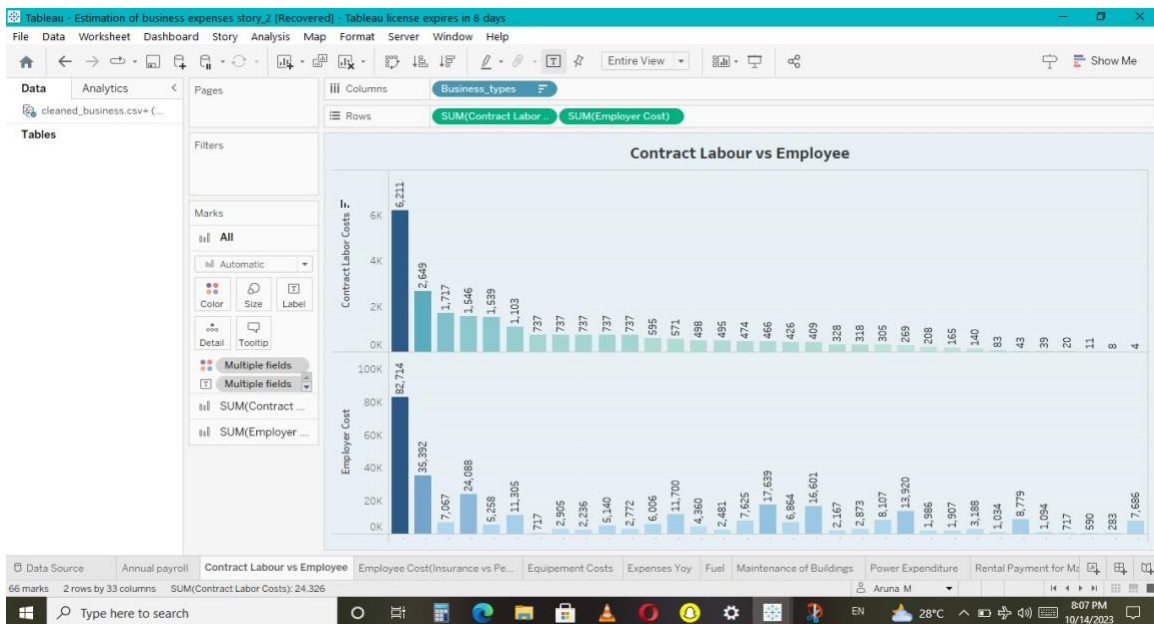
4.1 ANNUAL PAYROLL



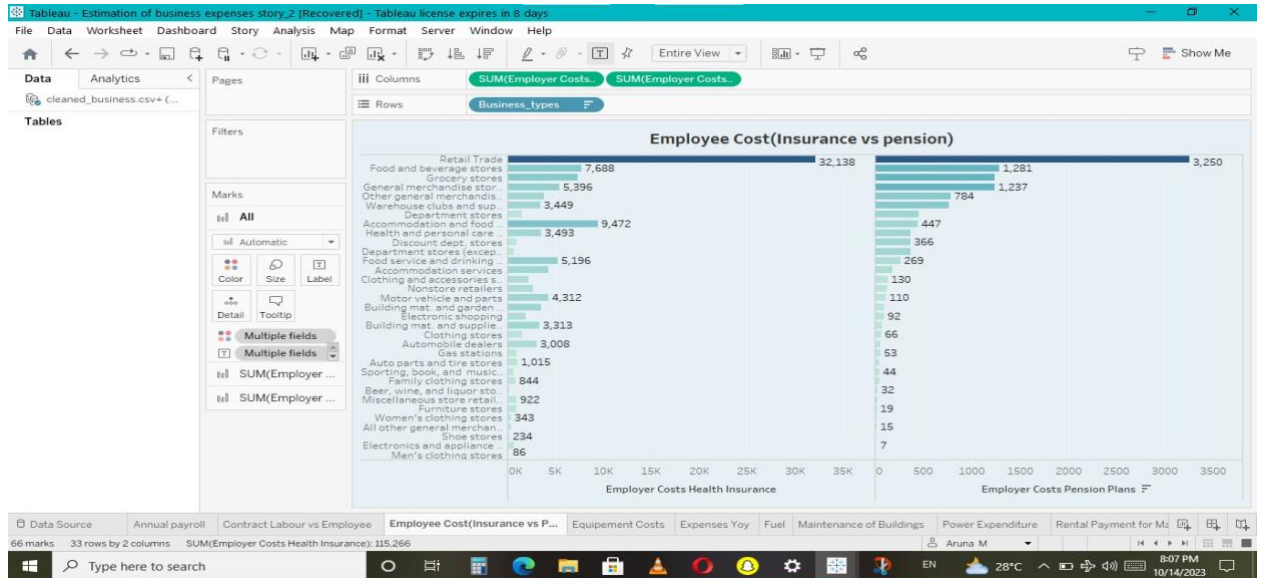
4.2 ADVERTISEMENT COST



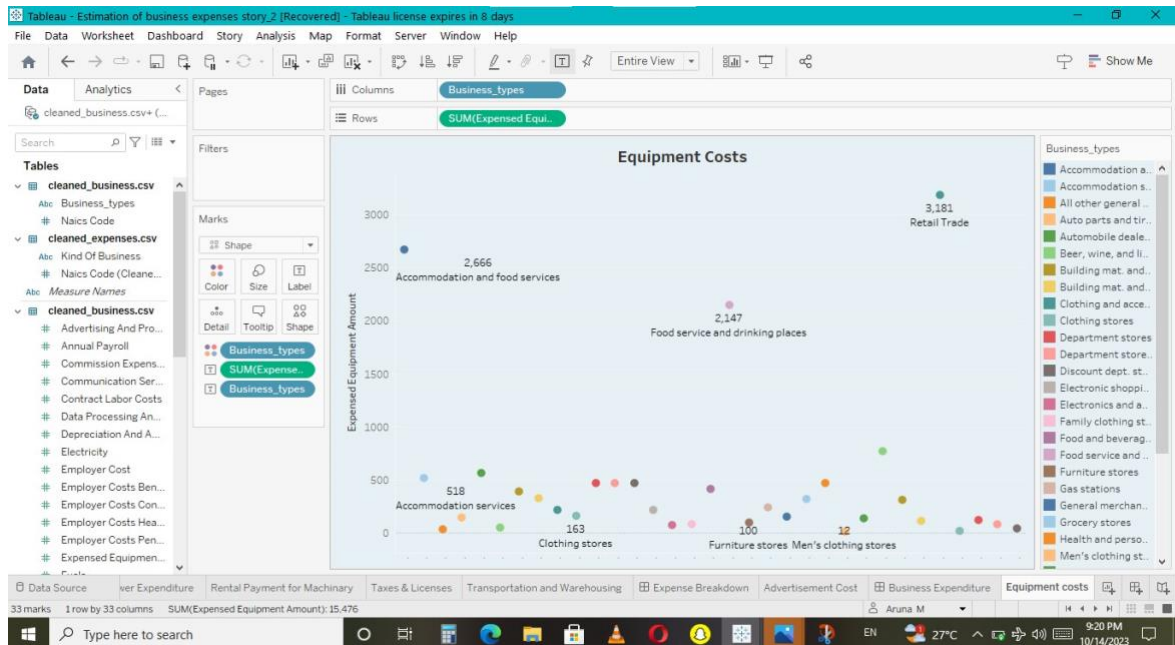
4.3 CONTRACT LABOUR VS EMPLOYEES



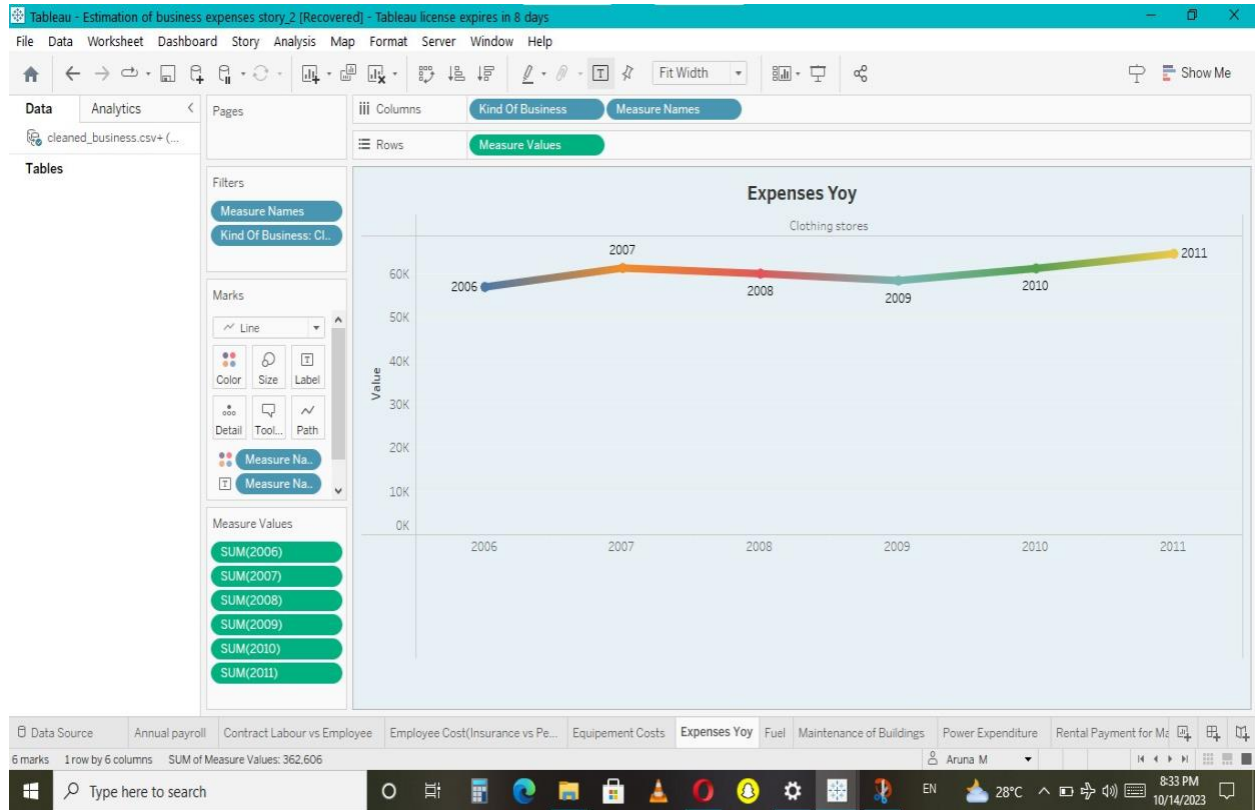
4.4 EMPLOYEES (INSURANCE VS PENSION)



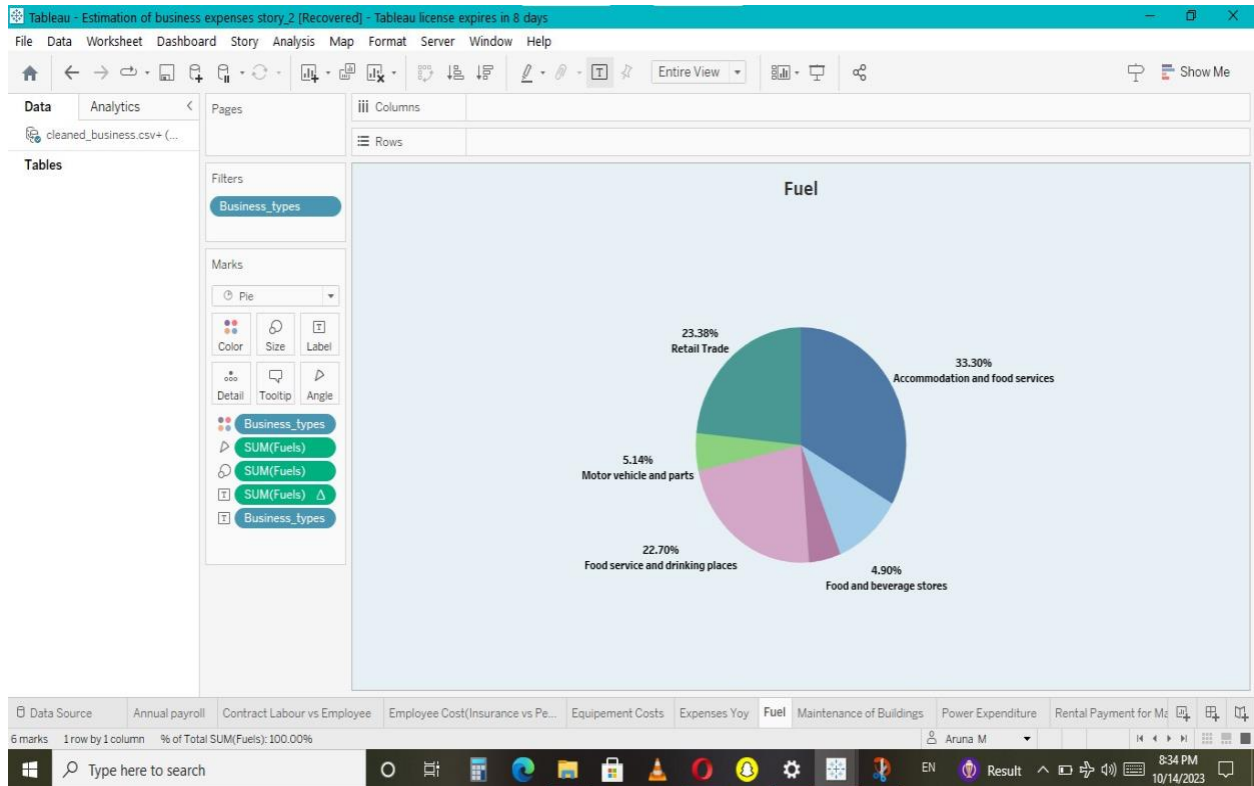
4.5 EQUIPMENT COST



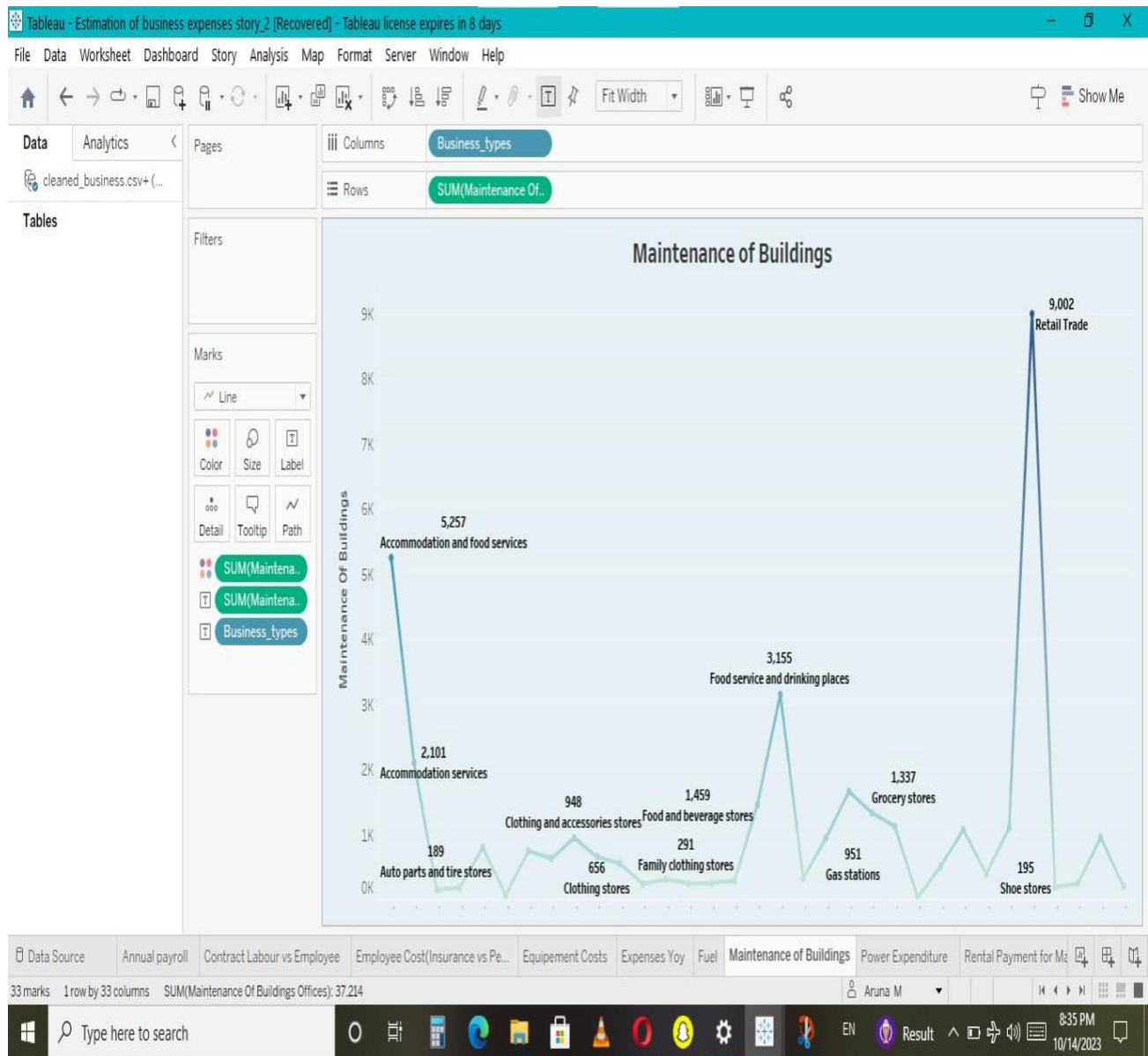
4.6 EXPENSES YOY



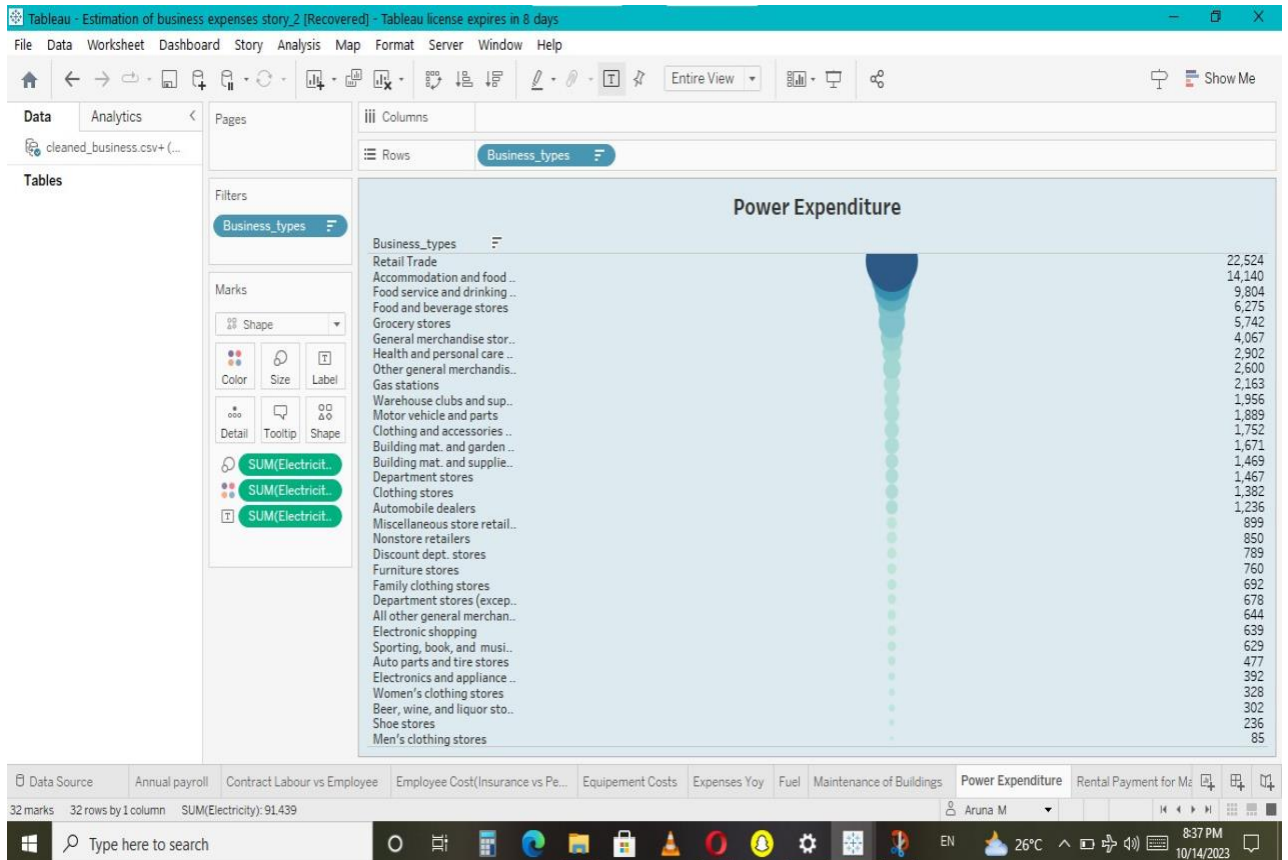
4.7 FUEL



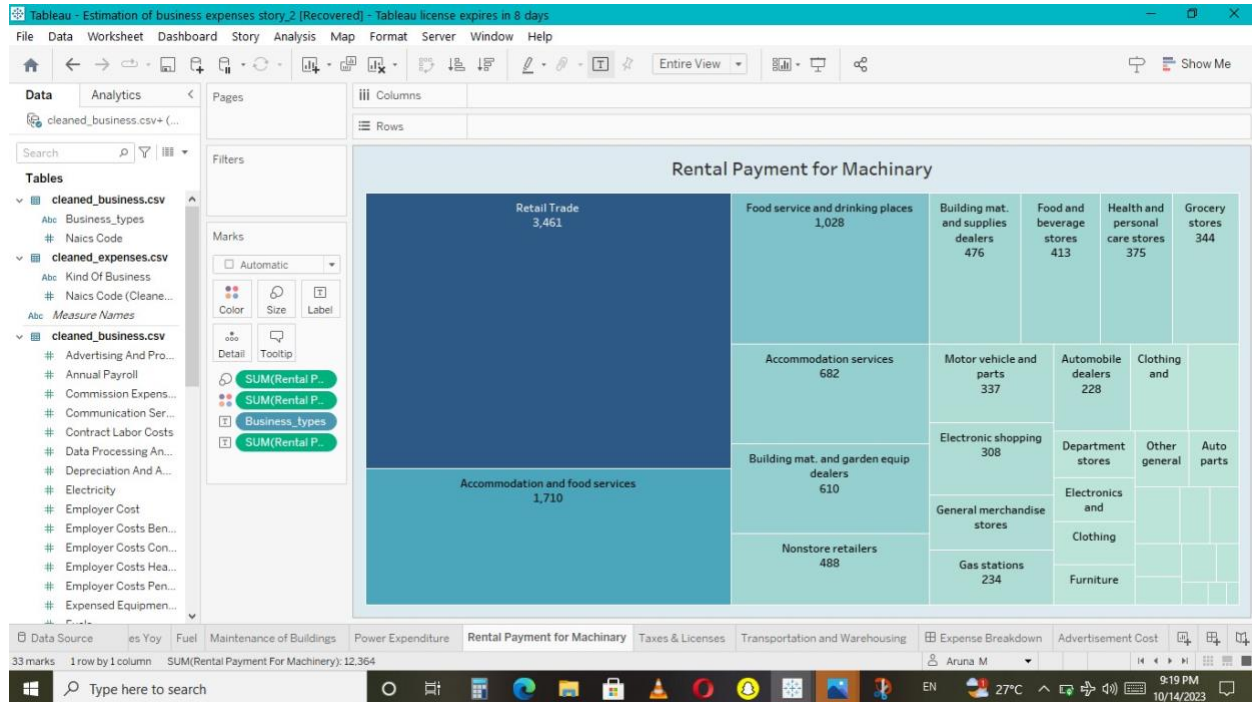
4.8 MAINTENANCE OF BUILDINGS



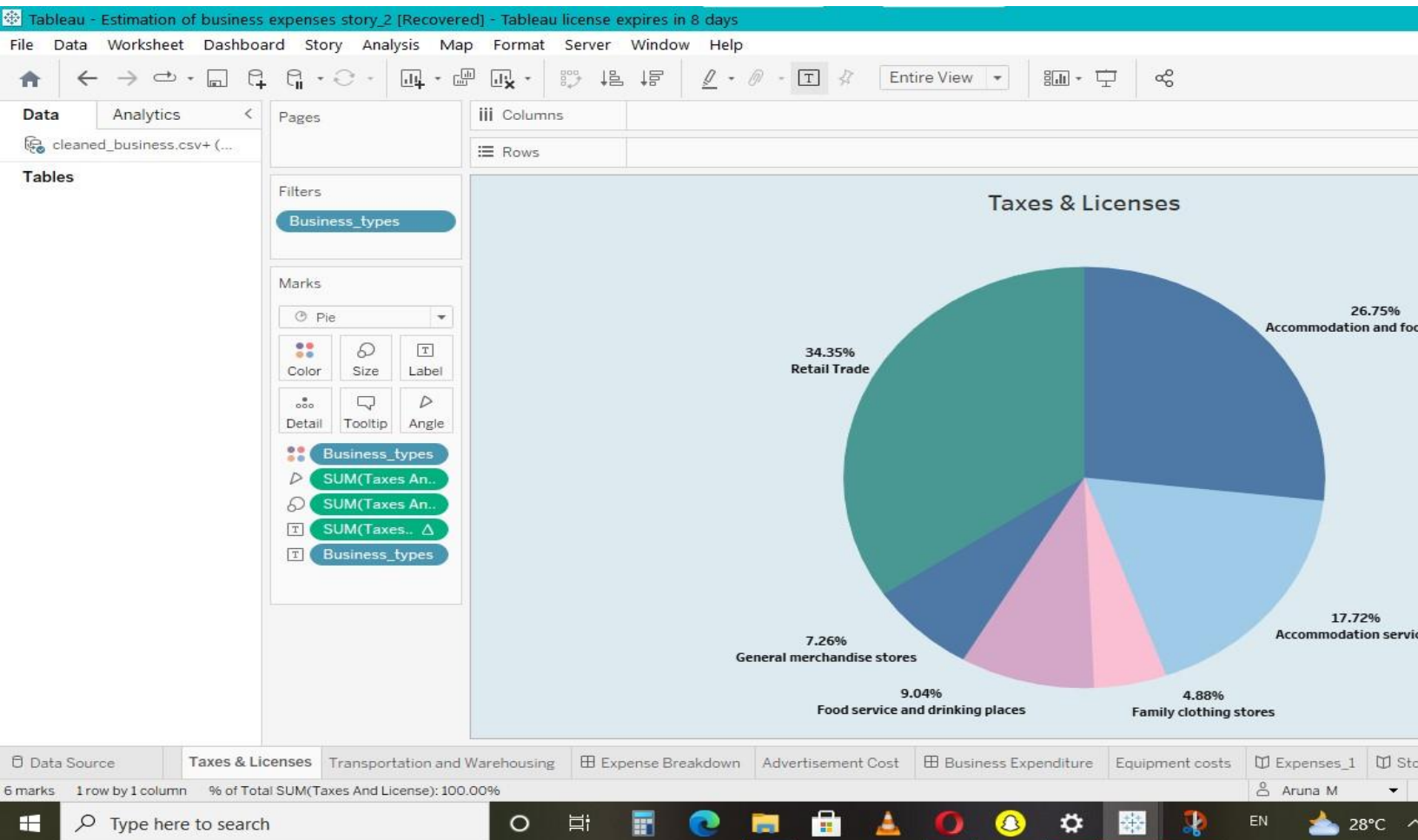
4.9 POWER EXPENDITURE



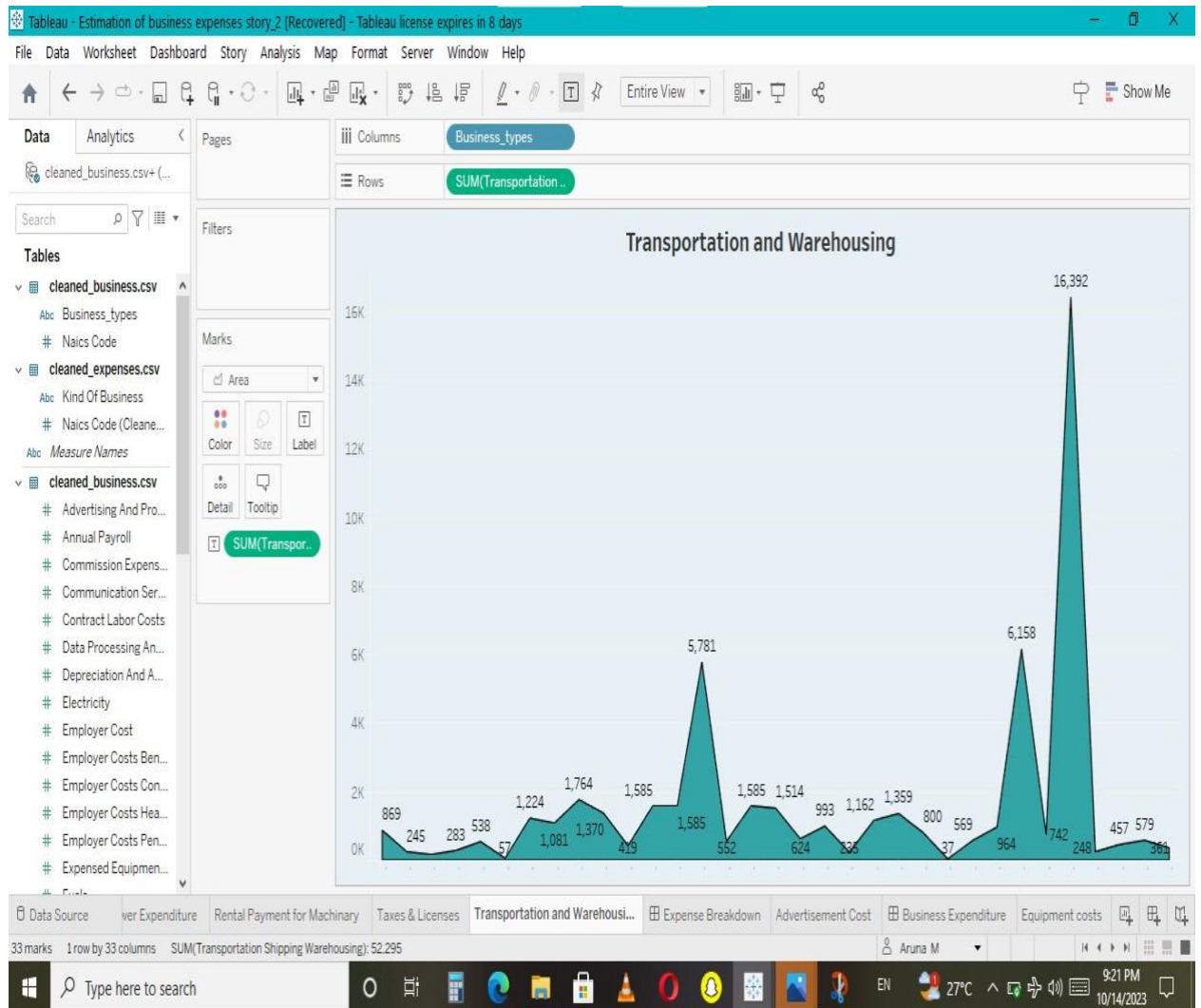
4.10 RENTAL PAYMENT MACHINERY



4.11 TAXES & LICENSES

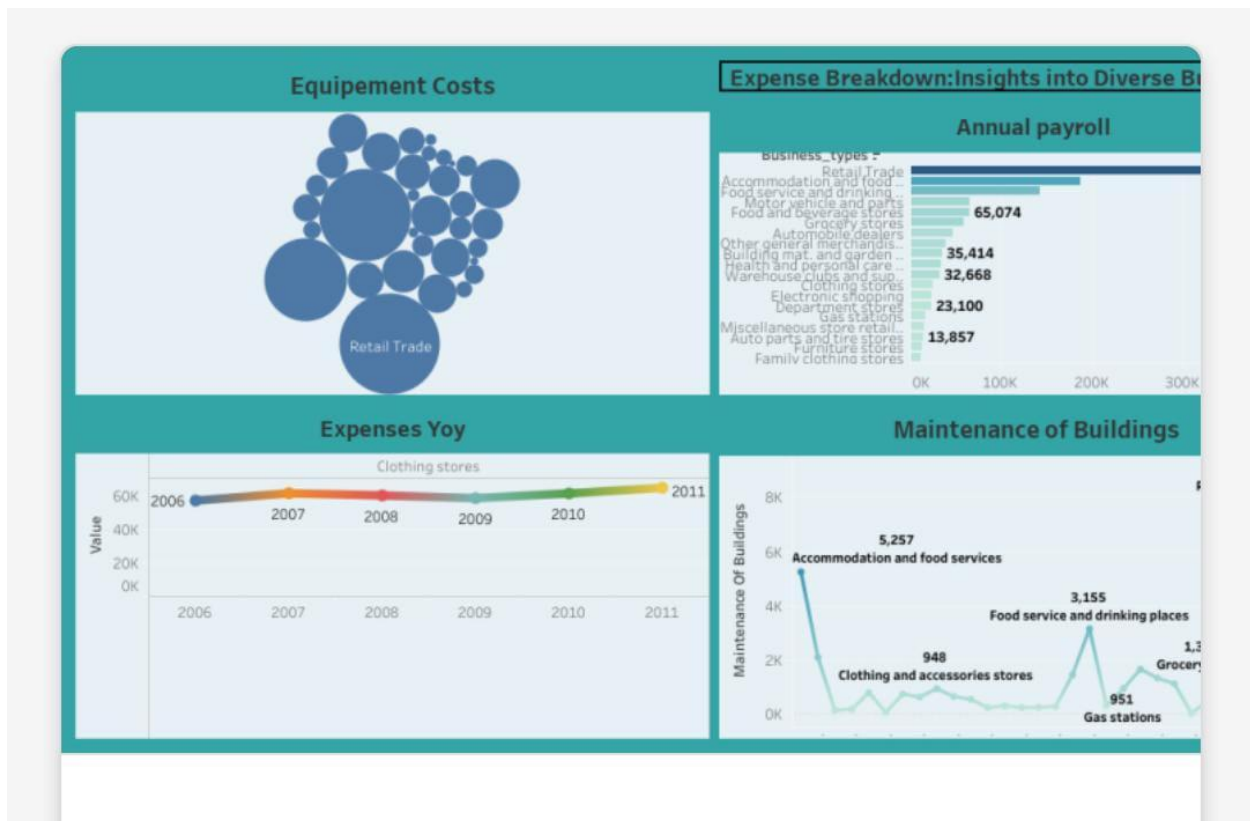


4.12 TRANSPORTATION

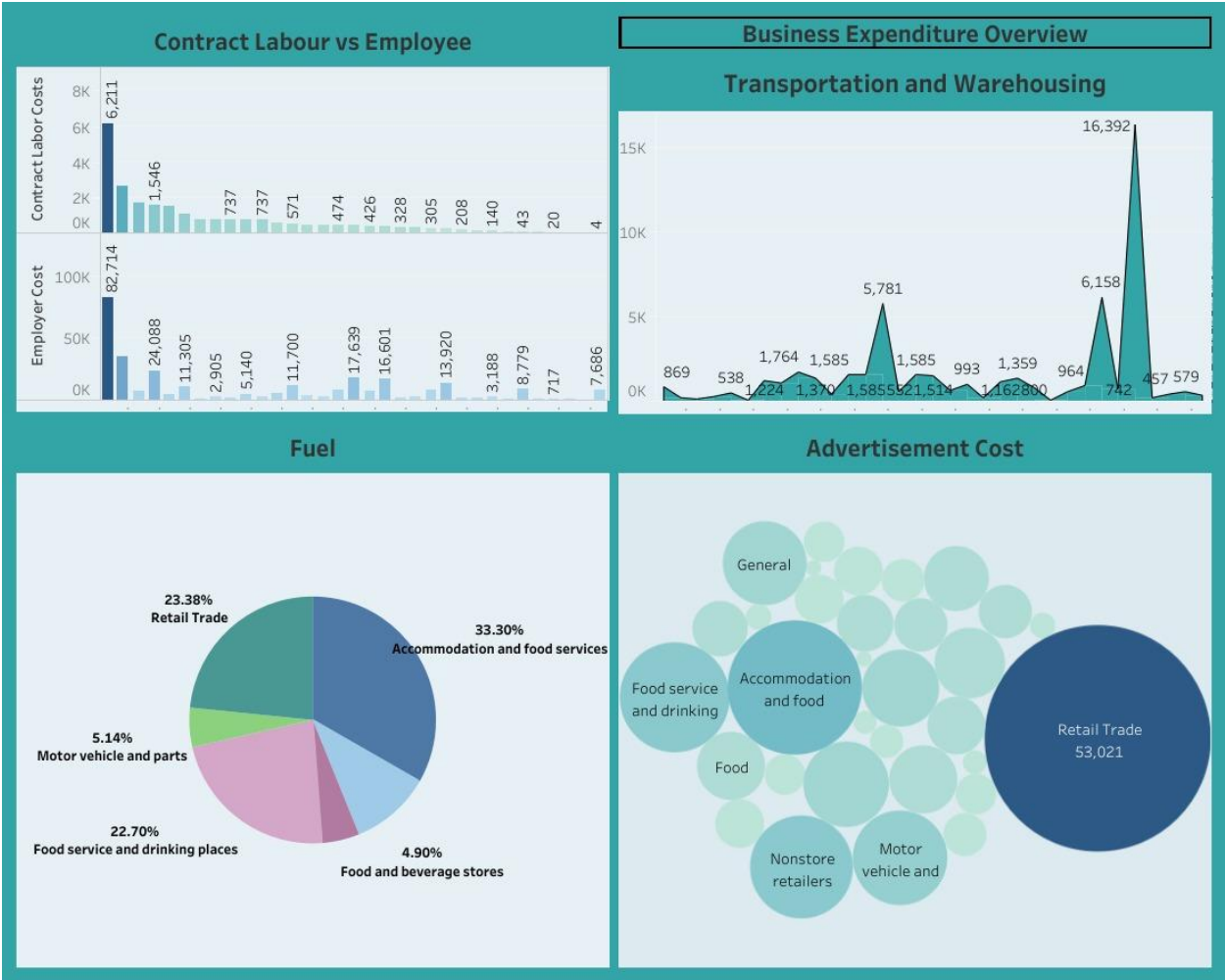


5.RESULT

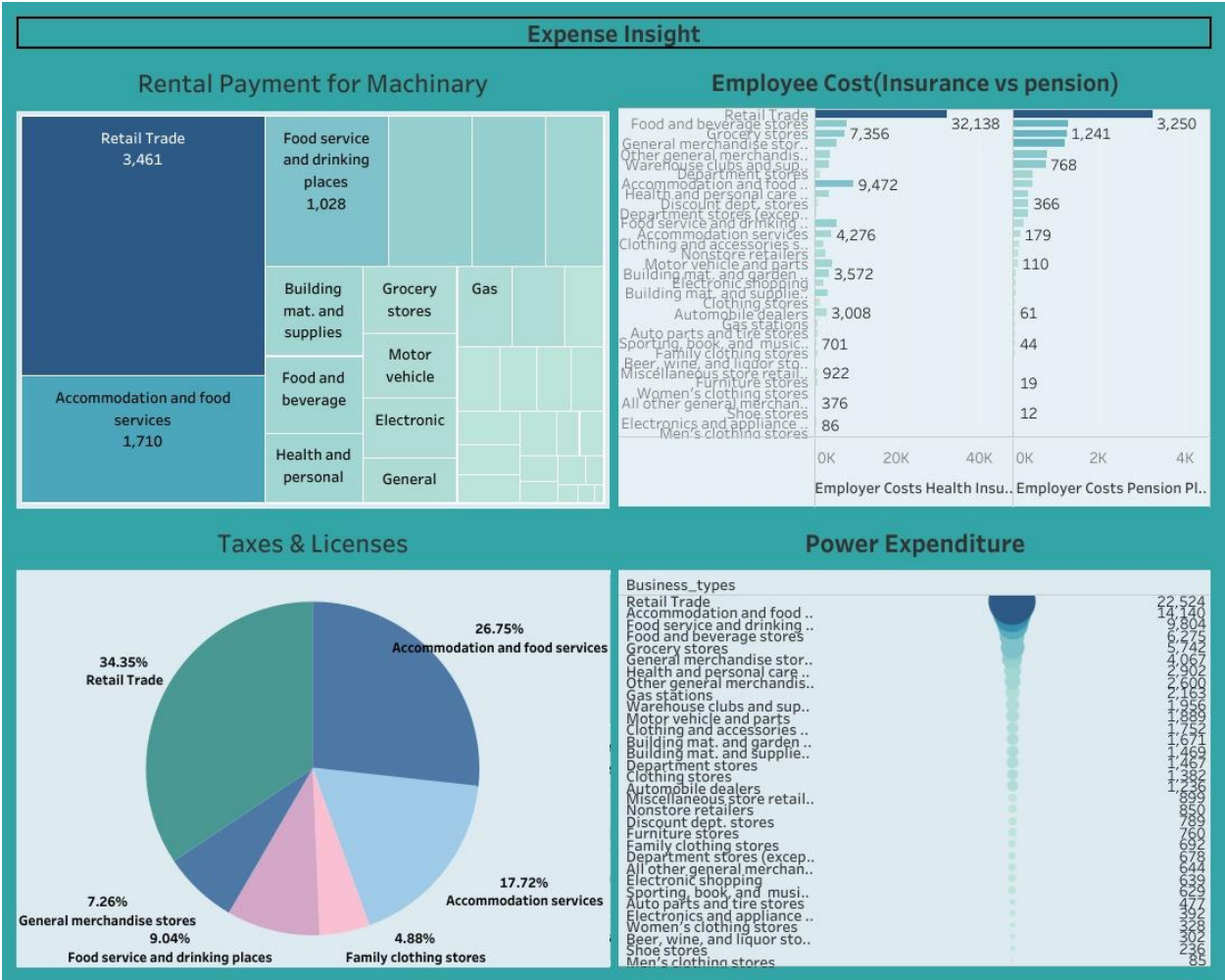
5.1 DASHBOARD -1



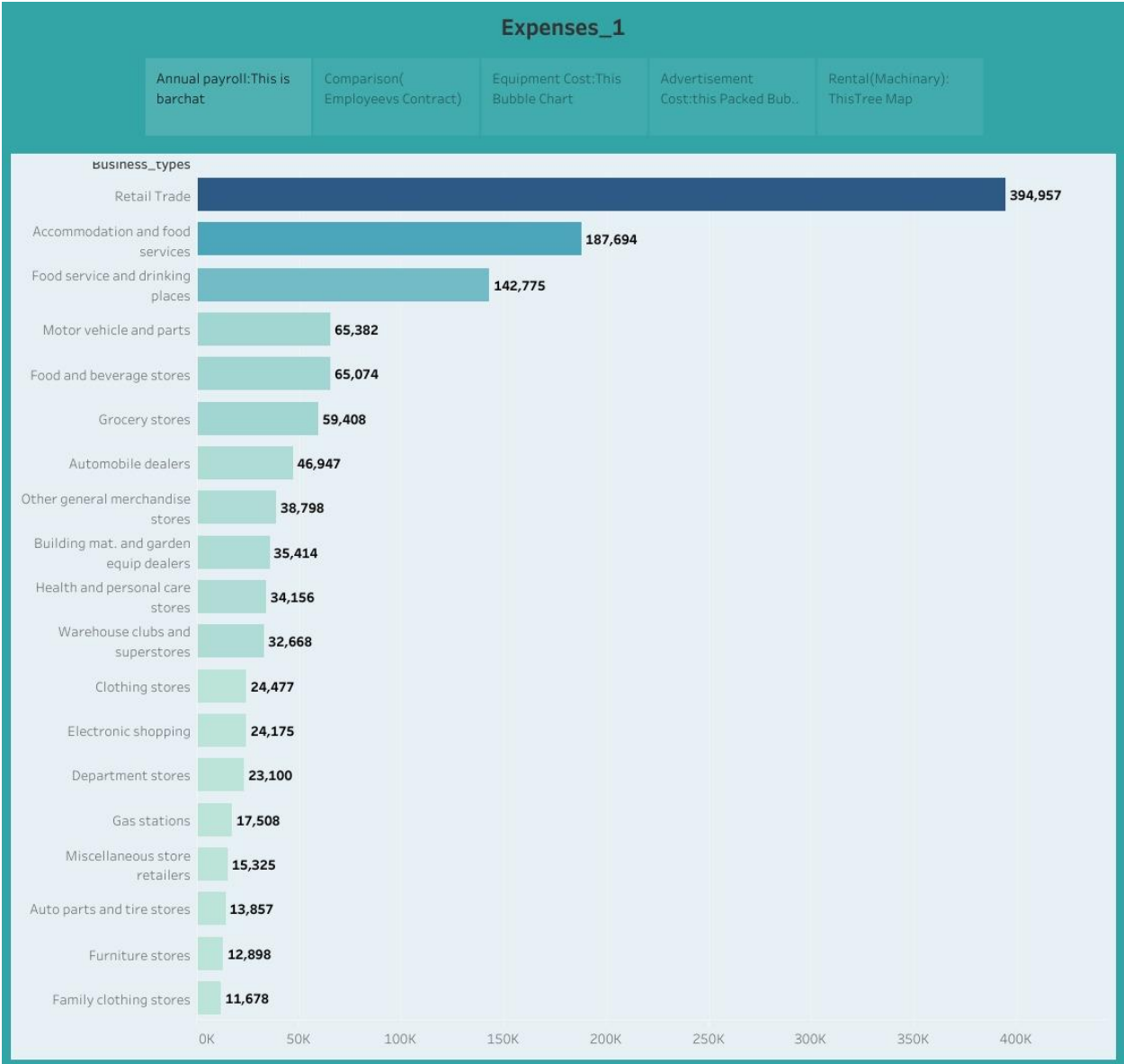
5.2 DASHBOARD -2



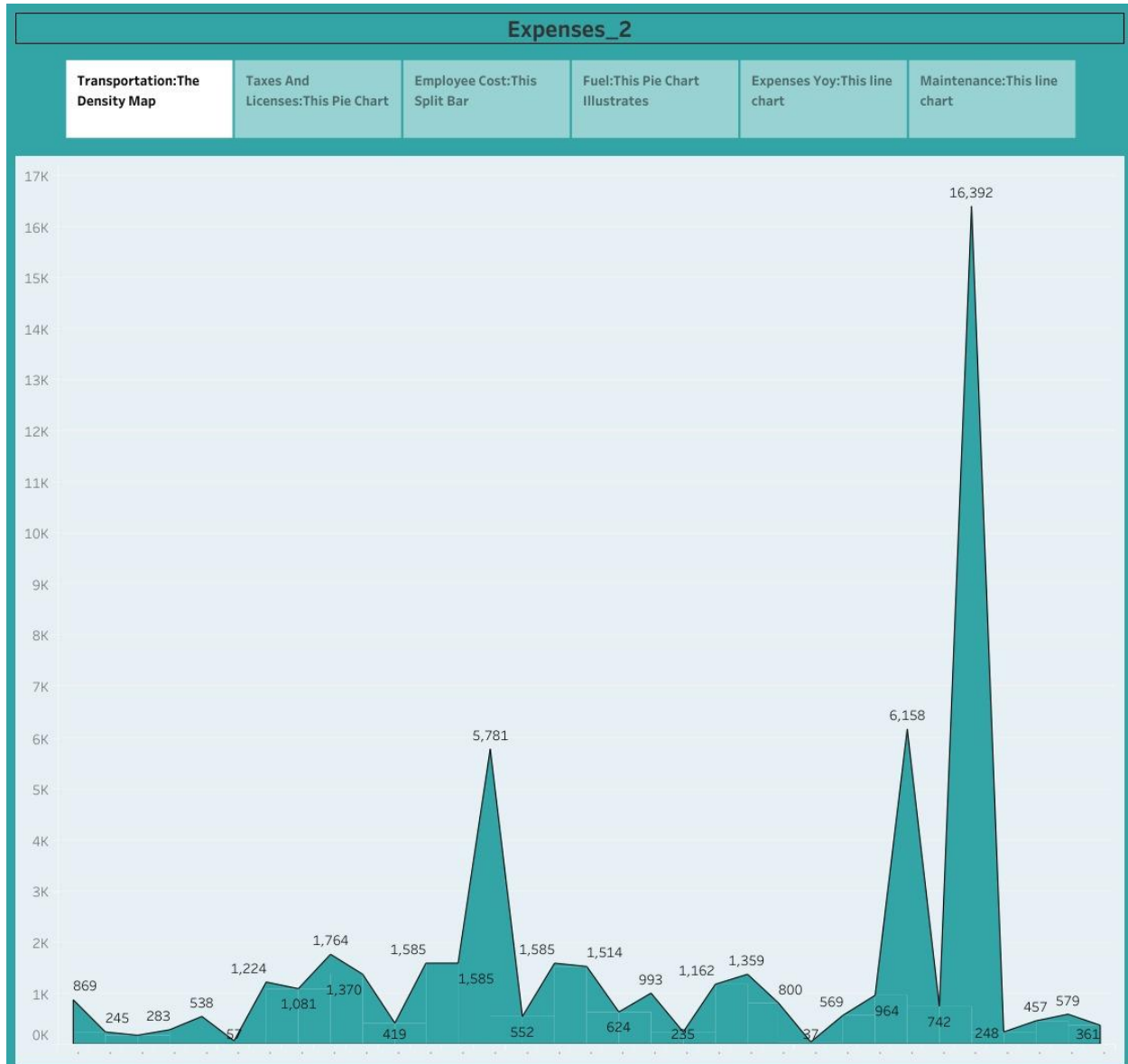
5.3 DASHBOARD -3



5.4 STORY-1



5.5 STORY -2



6.PUBLICATIONS IN TABLEAU PUBLIC

6.1 PUBLICATION OF DASHBOARD -1



6.2 PUBLICATION OF DASHBOARD -2

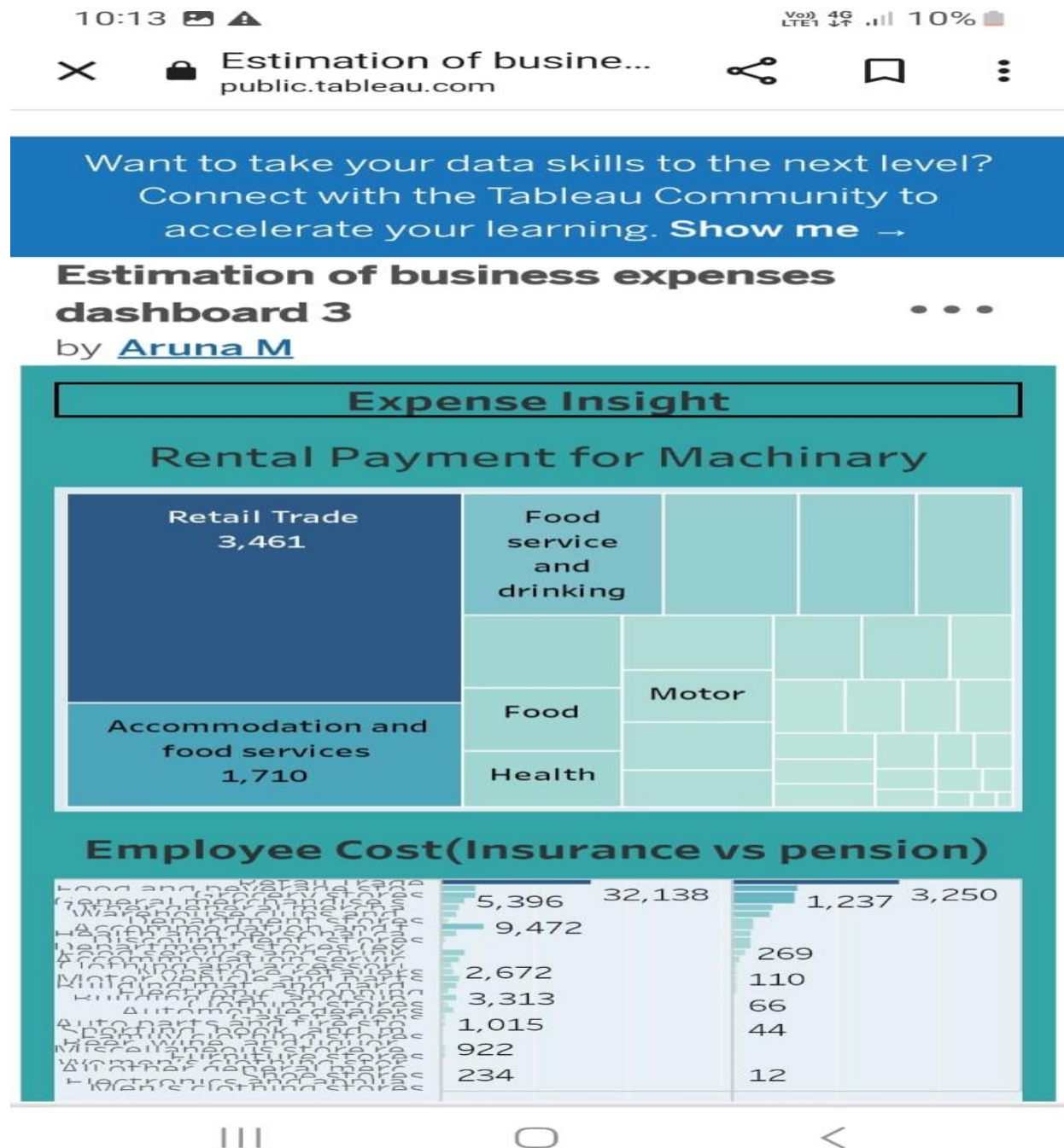
Estimation of business expenses dashboard 2

...

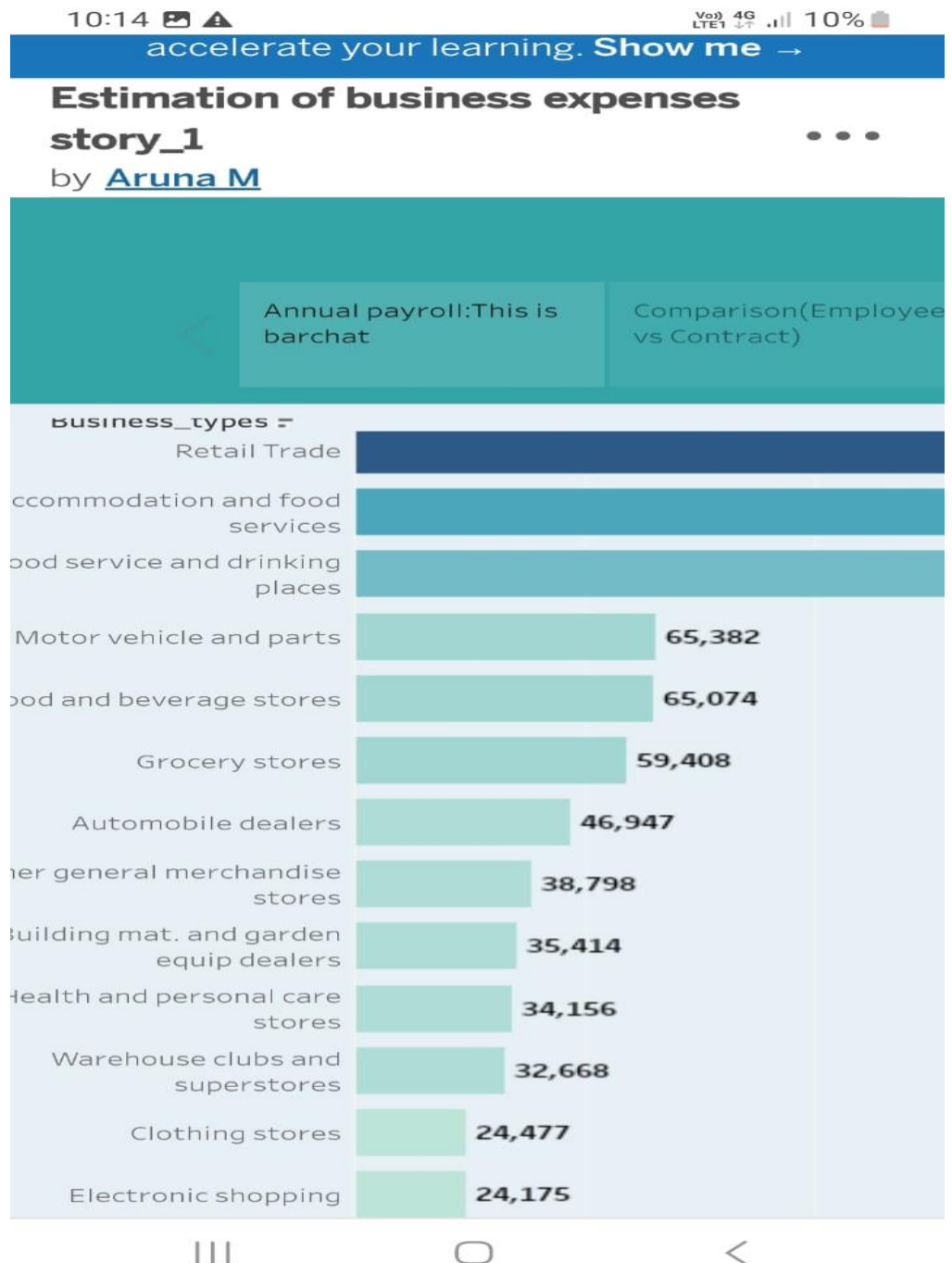
Contract Labour vs Employee



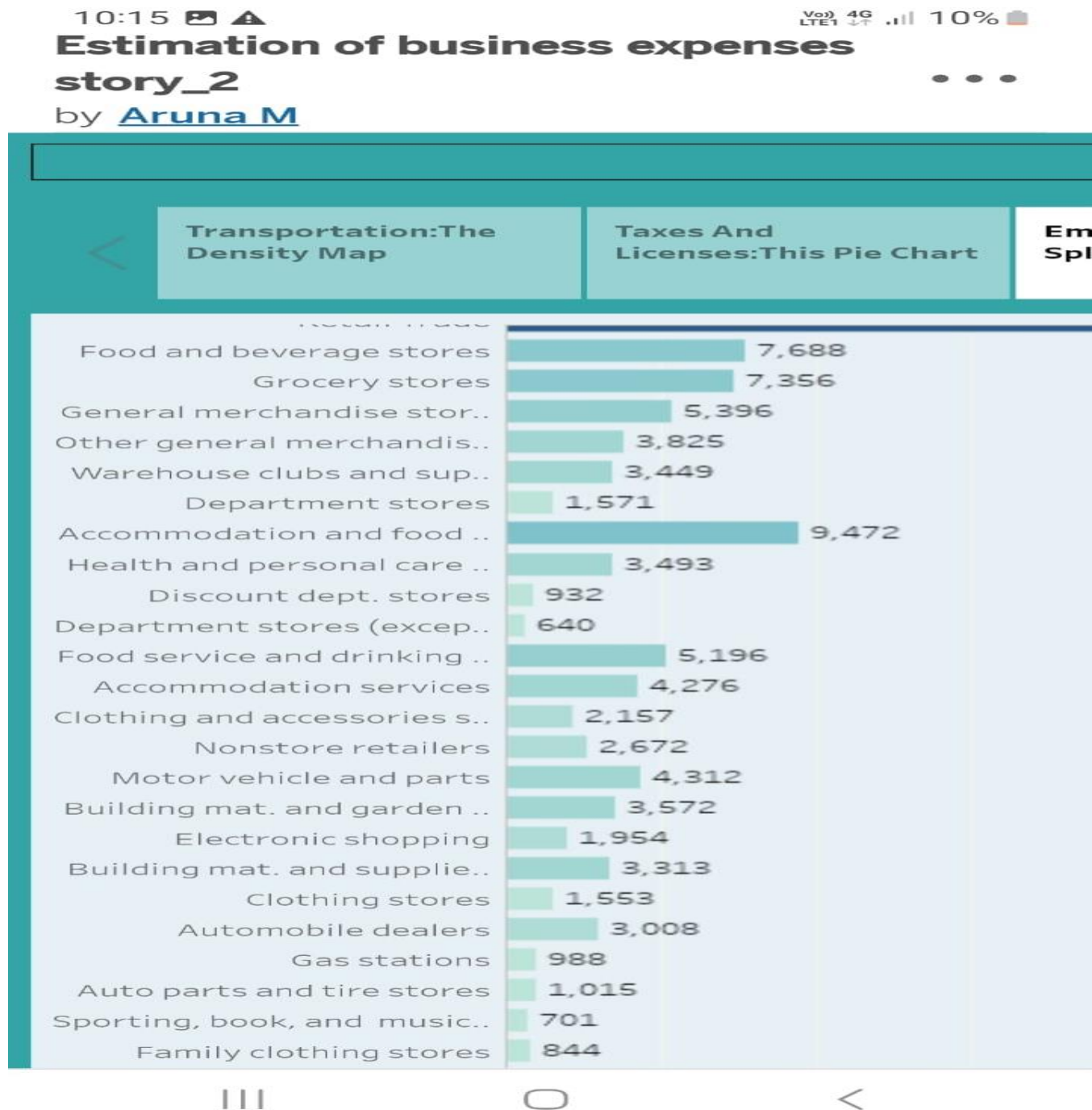
6.3 PUBLICATION OF DASHBOARD -3



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.

