INTRODUCTION:

Overview:

First of all I have downloaded a csv file from the Tableau website that consists of the data set information which consists of the details related to the Tank Ponds Ooranis in the Corporation Municipal and other areas.Then I have linked the Excel sheet to the Tableau software and created the different worksheets.

We can get a detailed clarity about the information in the form of the pictorial representation.

Purpose:

In the worksheets,the graphs are designed to show how the details present in the excel sheet are related to each other.The close relationship between the worksheets are shown in the form of Dashboards.And at last I have created the story telling to give the detailed explaination of individual worksheets.

The main agenda of this software is to create different types of graphs based on the information provided.We can achieve the graphical representation with the help of the information provided in the form of the excel sheet.

LITERATURE SURVEY:

Existing problem:

The data that is mentioned in the excel sheet cannot be understandale.By just looking the dataset we can't analyze the situation.

Proposed Solution:

With the help of using the tableau software we can show the excel sheet information in the form of different type of graph so that it can be easily understand by anyone.We can easily know the relationship between each and every data set that was provided in the excel sheet.

SPS-10540-Water & Sanitization

Type	Name of t	No. of Tan	No. of Por	No. of Oor	Other Wat	Total No.	How many	How many	How many	How many	How many	How many	Any other remarks relevant to the issue
Corporati	Tiruppur	8	23	0	0	31	0	5	26	0	0	0	0
Corporati	Erode	8	4	0	3	15	11	1	2	0	1	0	0
Corporati	Salem	13	0	0	0	13	2	0	9	0	1	1	0
Corporati	Thoothuku	2	3	0	0	5	4	0	0	0	1	0	0
Corporati	Trichy	30	0	1	18	49	10	24	4	0	10	1	0
Corporati	Tirunelveli	64	0	1	0	65	0	62	0	3	0	0	0
Corporati	Coimbator	15	39	22	18	94	8	86	0	0	0	0	0
Corporati	Madurai	45	6	26	0	77	25	45	1	0	6	0	0
Corporati	Vellore	11	20	1	0	32	19	6	6	0	1	0	0
Corporati	Total-Corp	196	95	51	39	381	79	229	48	3	20	2	0
Municipali	Tiruppur	3	8	0	37	48	35	7	4	0	1	0	1
Municipali	Vellore	95	37	6	15	153	24	23	91	4	9	2	0
Municipali	Tirunelveli	60	91	39	6	196	29	114	20	2	21	2	8
Municipali	Thanjavur	547	117	7	59	730	276	97	171	6	168	12	0
Municipali	Madurai	34	15	81	1	131	69	17	35	1	7	0	2
Municipali	Salem	40	41	3	0	84	7	33	2	35	7	0	0
Municipali	Chengalpa	94	89	1	16	200	44	25	31	26	74	0	0
Municipali	Total-Mun	873	398	137	134	1542	484	316	354	74	287	16	11

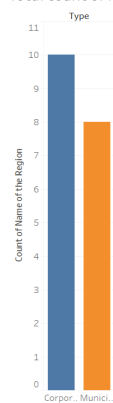

Number of tanks based on type of the regions

THEORITICAL ANALYSIS:

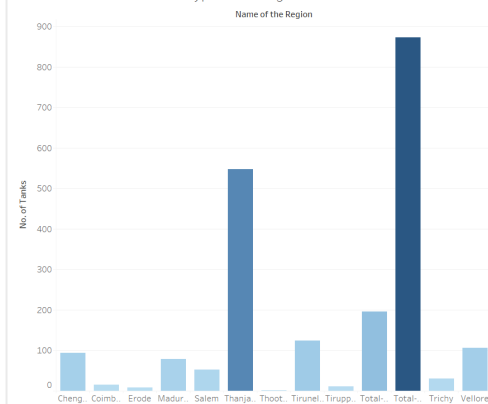## Software Requirements of the project:

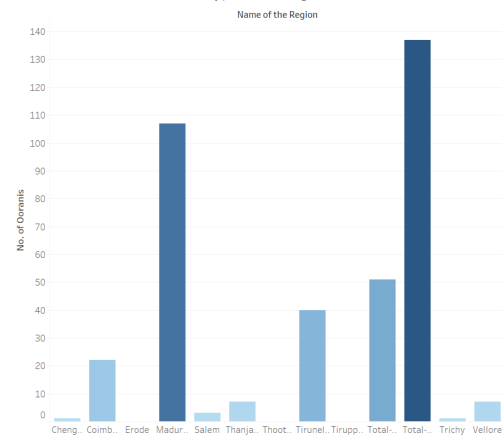1. Tableau Desktop
2. Microsoft Excel

RESULT:

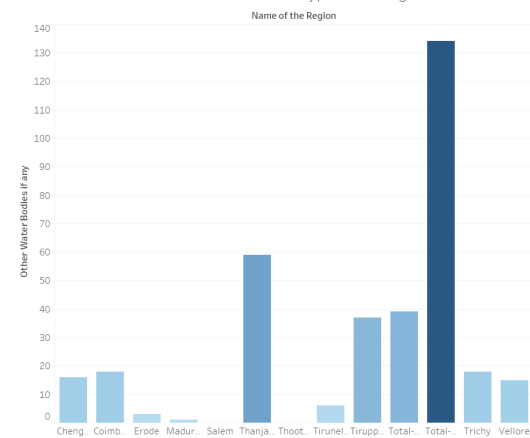Total count of regions based on Municipalities and Corporations

Number of tanks based on type of the regions
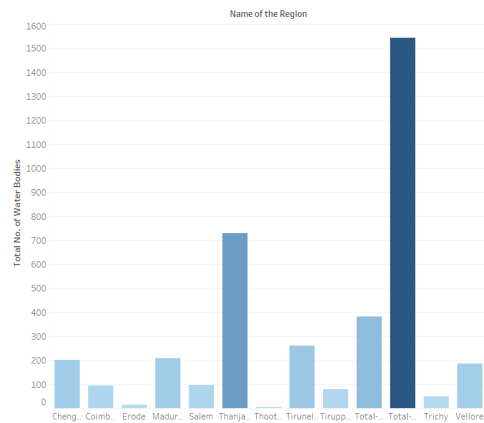

Number of Ooranis based on type of the regions

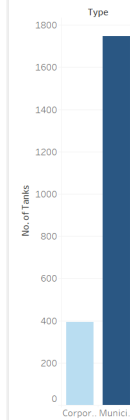Number of other water bodies based on type of the regions
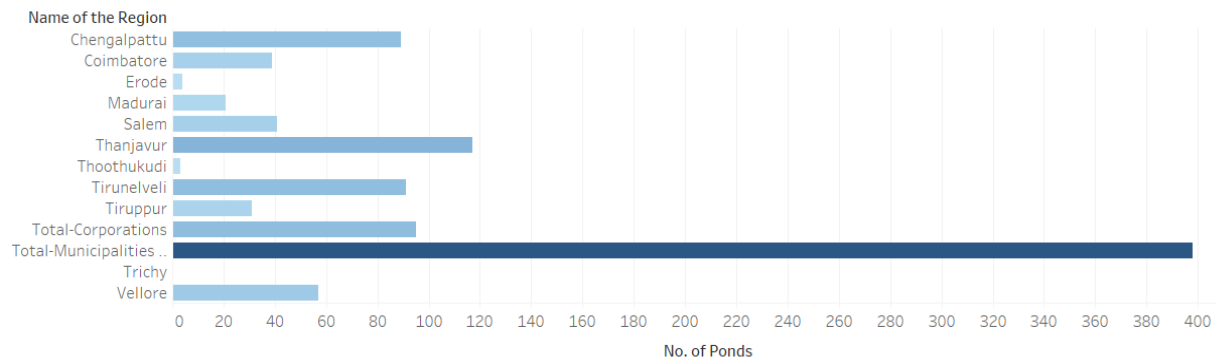
SPS-10540-Water & Sanitization

Total number of water bodies

Name of the Region
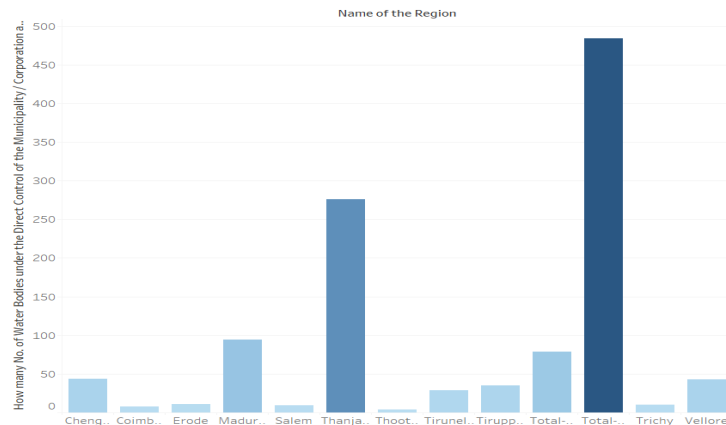
Number of tanks based on the type

Type

Number of ponds based on type of the regions

Name of the Region

No. of Ponds

Total number of water bodies bades on survey records

Name of the Region

Dashboard:

Total count of regions based on Municipalities and Corporations

No. of Ponds

0 ▢▢▢▢ 398

Type

(All)

Type
- Corporations
- Municipalities a..

Number of ponds based on type of the regions

Name of the Region

(All)
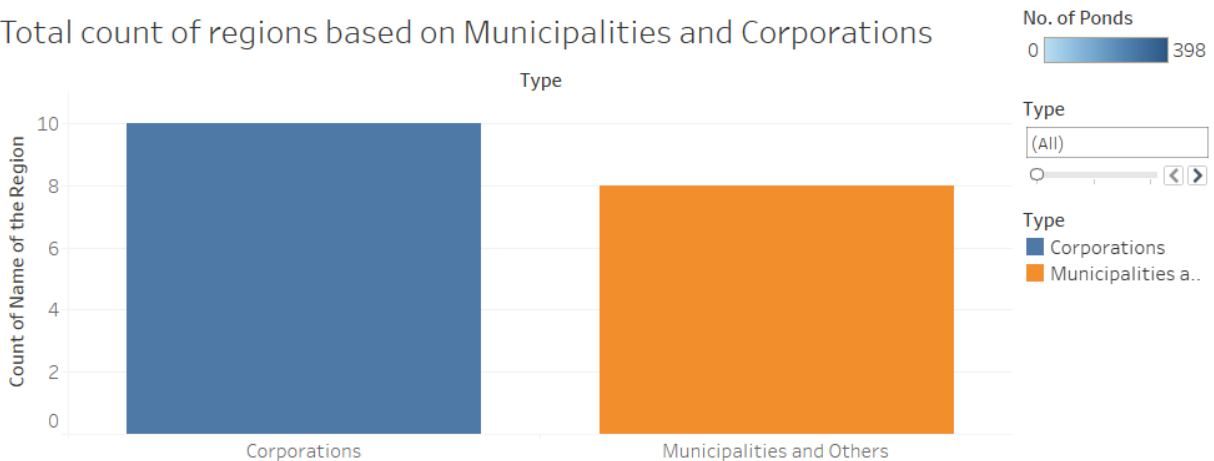
Advantages:

1.Any type of data that is present in the excel sheet can be shown in a understandable way.
2.With the help of drag and drop we can easily include the information into the graph representation.

3.So many filters are available in the tableau software to show the graph in a colourful way.

4.The water bodies are divided into different categories and we can clearly understand the relationship between them.

5.The excel sheet may contain any amount of data that indicates that tableau supports processing the huge amount of data.

Disadvantages:

1.Adding huge amount of data leads to the Breakage.

2.The tableau will not be used for the complex calculations.

3.It cannot store variables.

Applications:

1.Data blending

2.Query translation into visualization

3.To create no-code data queries

4.To manage large size metadata

CONCLUSION:

Summerization:

 1.The sheet consists of two main categories they are municipalities and corporations.

 2.So many regions are comes under these two categories and some regions comes under both.

 3.The corporations consists of more regions compared to the municipalities.

 4.In each worksheet the one set of data will be compared with other.

 5.The output will be shown graphical representation.

 6.From this observation I have concluded that there are 117 ponds in Thanjavur that comes under the municipalities and others.

 7. And there are 547 tanks in Thanjavur that comes under the municipalities and others.

FUTURE SCOPE:

 Enchancements can be done in the future.Even any of the water bodies are increased or decreased the data must be updated to show the pictorial representation based on the changes.

BIBILOGRAPHY :

References:

● From the Tableau Data Viz Challenge Bootcamp by "SmartBridge" .
● Tableau E-Learning Platform.