

VIT CHENNAI

DATA ANALYTICS

DIGITAL ASSIGNMENT-1

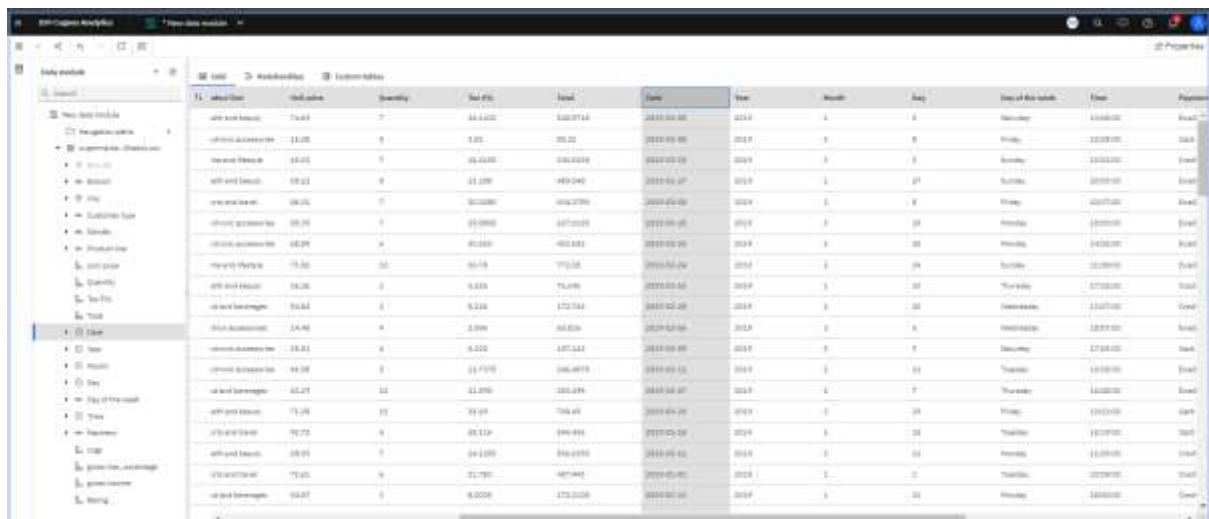
NAME: Santhosh Reddy Irugula

Reg no:21BAI1770

Mail: irugulasanthosh.reddy2021@vitstudent.ac.in

Columns removed: Invoice ID

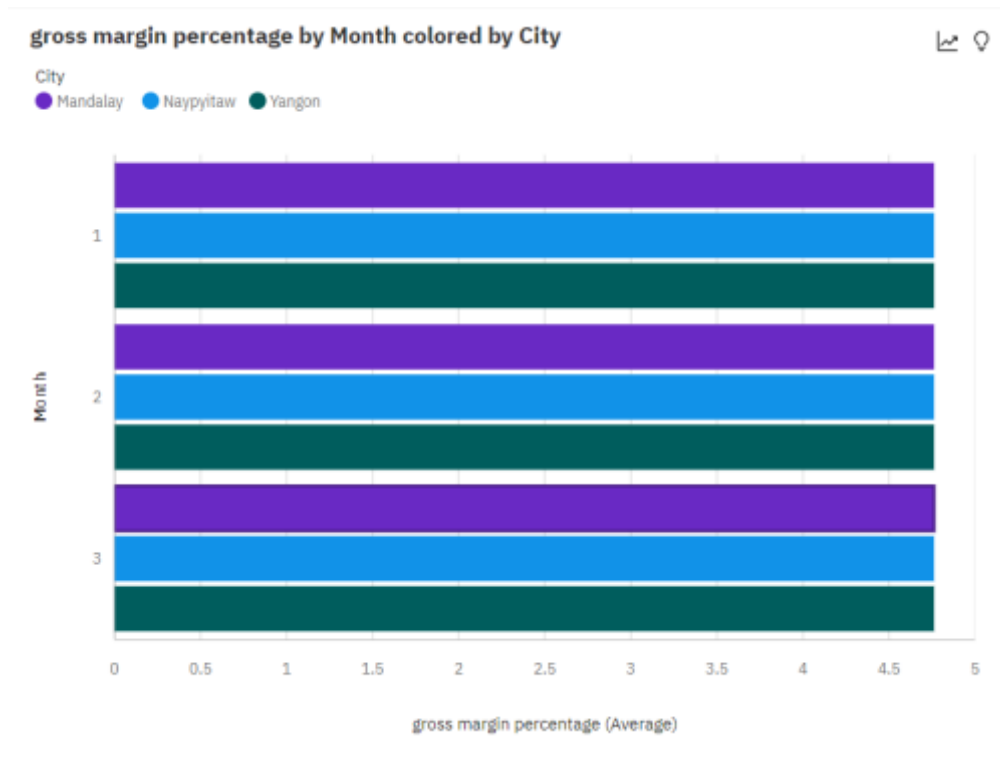
Split: Date into year, month, date, day of the week



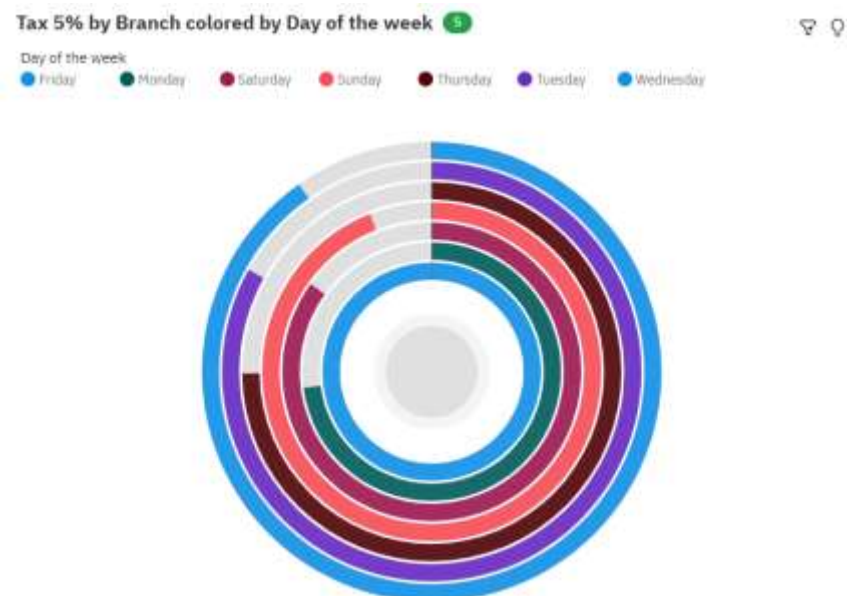
Invoice Date	Unit Sales	Quantity	Net Price	Total	Date	Year	Month	Day	Day of the week	Total	Payment
2019-01-01	1	1	1.00	1.00	2019-01-01	2019	1	1	Monday	1.00	1.00
2019-01-02	1	1	1.00	1.00	2019-01-02	2019	1	2	Tuesday	1.00	1.00
2019-01-03	1	1	1.00	1.00	2019-01-03	2019	1	3	Wednesday	1.00	1.00
2019-01-04	1	1	1.00	1.00	2019-01-04	2019	1	4	Thursday	1.00	1.00
2019-01-05	1	1	1.00	1.00	2019-01-05	2019	1	5	Friday	1.00	1.00
2019-01-06	1	1	1.00	1.00	2019-01-06	2019	1	6	Saturday	1.00	1.00
2019-01-07	1	1	1.00	1.00	2019-01-07	2019	1	7	Sunday	1.00	1.00
2019-01-08	1	1	1.00	1.00	2019-01-08	2019	1	8	Monday	1.00	1.00
2019-01-09	1	1	1.00	1.00	2019-01-09	2019	1	9	Tuesday	1.00	1.00
2019-01-10	1	1	1.00	1.00	2019-01-10	2019	1	10	Wednesday	1.00	1.00
2019-01-11	1	1	1.00	1.00	2019-01-11	2019	1	11	Thursday	1.00	1.00
2019-01-12	1	1	1.00	1.00	2019-01-12	2019	1	12	Friday	1.00	1.00
2019-01-13	1	1	1.00	1.00	2019-01-13	2019	1	13	Saturday	1.00	1.00
2019-01-14	1	1	1.00	1.00	2019-01-14	2019	1	14	Sunday	1.00	1.00
2019-01-15	1	1	1.00	1.00	2019-01-15	2019	1	15	Monday	1.00	1.00
2019-01-16	1	1	1.00	1.00	2019-01-16	2019	1	16	Tuesday	1.00	1.00
2019-01-17	1	1	1.00	1.00	2019-01-17	2019	1	17	Wednesday	1.00	1.00
2019-01-18	1	1	1.00	1.00	2019-01-18	2019	1	18	Thursday	1.00	1.00
2019-01-19	1	1	1.00	1.00	2019-01-19	2019	1	19	Friday	1.00	1.00
2019-01-20	1	1	1.00	1.00	2019-01-20	2019	1	20	Saturday	1.00	1.00
2019-01-21	1	1	1.00	1.00	2019-01-21	2019	1	21	Sunday	1.00	1.00
2019-01-22	1	1	1.00	1.00	2019-01-22	2019	1	22	Monday	1.00	1.00
2019-01-23	1	1	1.00	1.00	2019-01-23	2019	1	23	Tuesday	1.00	1.00
2019-01-24	1	1	1.00	1.00	2019-01-24	2019	1	24	Wednesday	1.00	1.00
2019-01-25	1	1	1.00	1.00	2019-01-25	2019	1	25	Thursday	1.00	1.00
2019-01-26	1	1	1.00	1.00	2019-01-26	2019	1	26	Friday	1.00	1.00
2019-01-27	1	1	1.00	1.00	2019-01-27	2019	1	27	Saturday	1.00	1.00
2019-01-28	1	1	1.00	1.00	2019-01-28	2019	1	28	Sunday	1.00	1.00
2019-01-29	1	1	1.00	1.00	2019-01-29	2019	1	29	Monday	1.00	1.00
2019-01-30	1	1	1.00	1.00	2019-01-30	2019	1	30	Tuesday	1.00	1.00
2019-01-31	1	1	1.00	1.00	2019-01-31	2019	1	31	Wednesday	1.00	1.00
2019-02-01	1	1	1.00	1.00	2019-02-01	2019	2	1	Thursday	1.00	1.00
2019-02-02	1	1	1.00	1.00	2019-02-02	2019	2	2	Friday	1.00	1.00
2019-02-03	1	1	1.00	1.00	2019-02-03	2019	2	3	Saturday	1.00	1.00
2019-02-04	1	1	1.00	1.00	2019-02-04	2019	2	4	Sunday	1.00	1.00
2019-02-05	1	1	1.00	1.00	2019-02-05	2019	2	5	Monday	1.00	1.00
2019-02-06	1	1	1.00	1.00	2019-02-06	2019	2	6	Tuesday	1.00	1.00
2019-02-07	1	1	1.00	1.00	2019-02-07	2019	2	7	Wednesday	1.00	1.00
2019-02-08	1	1	1.00	1.00	2019-02-08	2019	2	8	Thursday	1.00	1.00
2019-02-09	1	1	1.00	1.00	2019-02-09	2019	2	9	Friday	1.00	1.00
2019-02-10	1	1	1.00	1.00	2019-02-10	2019	2	10	Saturday	1.00	1.00
2019-02-11	1	1	1.00	1.00	2019-02-11	2019	2	11	Sunday	1.00	1.00
2019-02-12	1	1	1.00	1.00	2019-02-12	2019	2	12	Monday	1.00	1.00
2019-02-13	1	1	1.00	1.00	2019-02-13	2019	2	13	Tuesday	1.00	1.00
2019-02-14	1	1	1.00	1.00	2019-02-14	2019	2	14	Wednesday	1.00	1.00
2019-02-15	1	1	1.00	1.00	2019-02-15	2019	2	15	Thursday	1.00	1.00
2019-02-16	1	1	1.00	1.00	2019-02-16	2019	2	16	Friday	1.00	1.00
2019-02-17	1	1	1.00	1.00	2019-02-17	2019	2	17	Saturday	1.00	1.00
2019-02-18	1	1	1.00	1.00	2019-02-18	2019	2	18	Sunday	1.00	1.00
2019-02-19	1	1	1.00	1.00	2019-02-19	2019	2	19	Monday	1.00	1.00
2019-02-20	1	1	1.00	1.00	2019-02-20	2019	2	20	Tuesday	1.00	1.00
2019-02-21	1	1	1.00	1.00	2019-02-21	2019	2	21	Wednesday	1.00	1.00
2019-02-22	1	1	1.00	1.00	2019-02-22	2019	2	22	Thursday	1.00	1.00
2019-02-23	1	1	1.00	1.00	2019-02-23	2019	2	23	Friday	1.00	1.00
2019-02-24	1	1	1.00	1.00	2019-02-24	2019	2	24	Saturday	1.00	1.00
2019-02-25	1	1	1.00	1.00	2019-02-25	2019	2	25	Sunday	1.00	1.00
2019-02-26	1	1	1.00	1.00	2019-02-26	2019	2	26	Monday	1.00	1.00
2019-02-27	1	1	1.00	1.00	2019-02-27	2019	2	27	Tuesday	1.00	1.00
2019-02-28	1	1	1.00	1.00	2019-02-28	2019	2	28	Wednesday	1.00	1.00
2019-02-29	1	1	1.00	1.00	2019-02-29	2019	2	29	Thursday	1.00	1.00
2019-03-01	1	1	1.00	1.00	2019-03-01	2019	3	1	Friday	1.00	1.00
2019-03-02	1	1	1.00	1.00	2019-03-02	2019	3	2	Saturday	1.00	1.00
2019-03-03	1	1	1.00	1.00	2019-03-03	2019	3	3	Sunday	1.00	1.00
2019-03-04	1	1	1.00	1.00	2019-03-04	2019	3	4	Monday	1.00	1.00
2019-03-05	1	1	1.00	1.00	2019-03-05	2019	3	5	Tuesday	1.00	1.00
2019-03-06	1	1	1.00	1.00	2019-03-06	2019	3	6	Wednesday	1.00	1.00
2019-03-07	1	1	1.00	1.00	2019-03-07	2019	3	7	Thursday	1.00	1.00
2019-03-08	1	1	1.00	1.00	2019-03-08	2019	3	8	Friday	1.00	1.00
2019-03-09	1	1	1.00	1.00	2019-03-09	2019	3	9	Saturday	1.00	1.00
2019-03-10	1	1	1.00	1.00	2019-03-10	2019	3	10	Sunday	1.00	1.00
2019-03-11	1	1	1.00	1.00	2019-03-11	2019	3	11	Monday	1.00	1.00
2019-03-12	1	1	1.00	1.00	2019-03-12	2019	3	12	Tuesday	1.00	1.00
2019-03-13	1	1	1.00	1.00	2019-03-13	2019	3	13	Wednesday	1.00	1.00
2019-03-14	1	1	1.00	1.00	2019-03-14	2019	3	14	Thursday	1.00	1.00
2019-03-15	1	1	1.00	1.00	2019-03-15	2019	3	15	Friday	1.00	1.00
2019-03-16	1	1	1.00	1.00	2019-03-16	2019	3	16	Saturday	1.00	1.00
2019-03-17	1	1	1.00	1.00	2019-03-17	2019	3	17	Sunday	1.00	1.00
2019-03-18	1	1	1.00	1.00	2019-03-18	2019	3	18	Monday	1.00	1.00
2019-03-19	1	1	1.00	1.00	2019-03-19	2019	3	19	Tuesday	1.00	1.00
2019-03-20	1	1	1.00	1.00	2019-03-20	2019	3	20	Wednesday	1.00	1.00
2019-03-21	1	1	1.00	1.00	2019-03-21	2019	3	21	Thursday	1.00	1.00
2019-03-22	1	1	1.00	1.00	2019-03-22	2019	3	22	Friday	1.00	1.00
2019-03-23	1	1	1.00	1.00	2019-03-23	2019	3	23	Saturday	1.00	1.00
2019-03-24	1	1	1.00	1.00	2019-03-24	2019	3	24	Sunday	1.00	1.00
2019-03-25	1	1	1.00	1.00	2019-03-25	2019	3	25	Monday	1.00	1.00
2019-03-26	1	1	1.00	1.00	2019-03-26	2019	3	26	Tuesday	1.00	1.00
2019-03-27	1	1	1.00	1.00	2019-03-27	2019	3	27	Wednesday	1.00	1.00
2019-03-28	1	1	1.00	1.00	2019-03-28	2019	3	28	Thursday	1.00	1.00
2019-03-29	1	1	1.00	1.00	2019-03-29	2019	3	29	Friday	1.00	1.00
2019-03-30	1	1	1.00	1.00	2019-03-30	2019	3	30	Saturday	1.00	1.00
2019-03-31	1	1	1.00	1.00	2019-03-31	2019	3	31	Sunday	1.00	1.00

Visualizations:

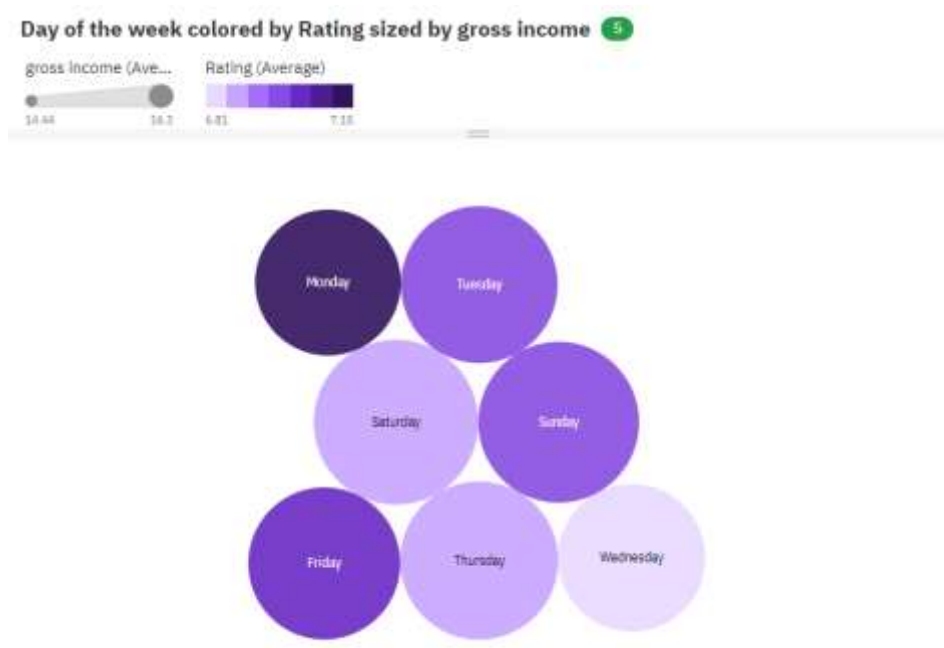
1. Bar Chart:



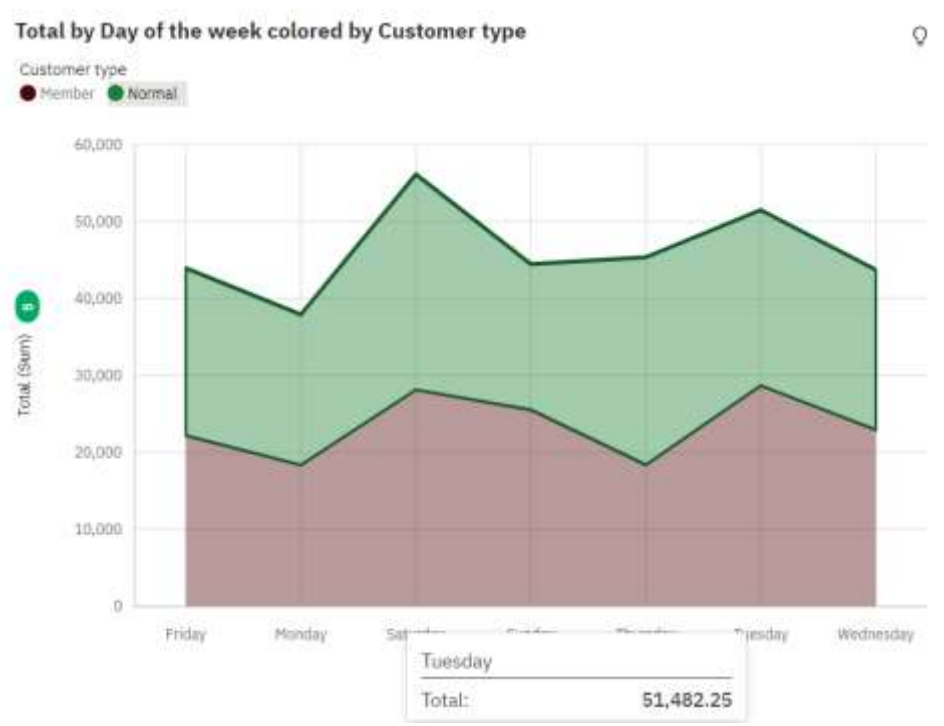
2. Radial Bar Chart:



3. Packed bubble Chart:



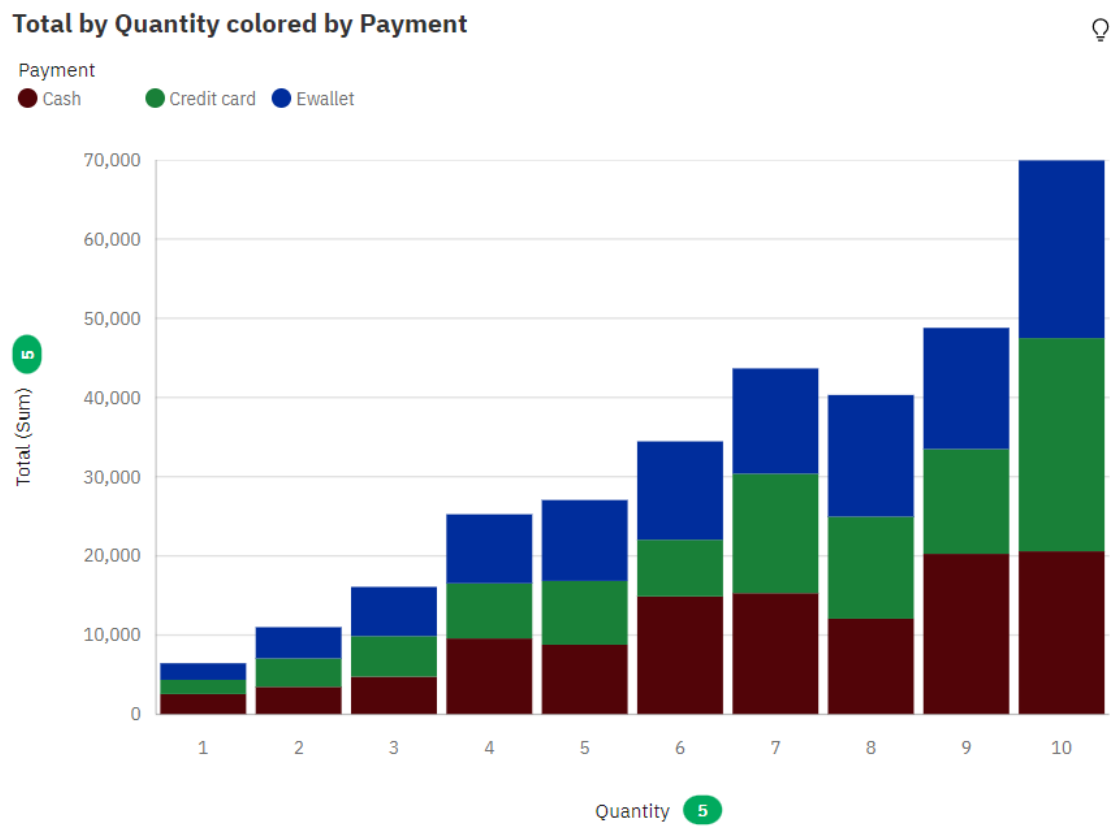
4. Area Chart:



5. Word cloud chart:



6. Stacked column chart:



7. Crosstab Chart:

Total for Customer type and Quantity 10

Total	Member	Normal	Summary
1	3,425.76	3,016.59	6,442.35
2	5,000.6	5,994.2	10,994.8
3	8,392.1	7,689.59	16,081.7
4	14,071.3	11,176.62	25,247.92
5	12,492.69	14,558.72	27,051.41
6	15,171.85	19,283.36	34,455.2
7	21,770.63	21,894.03	43,664.66
8	19,664.65	20,651.65	40,316.3
9	27,692.28	21,091.17	48,783.45
10	36,541.58	33,387.37	69,928.95
Summary	164,223.44	158,743.31	322,966.75

8. Bubble Chart:

