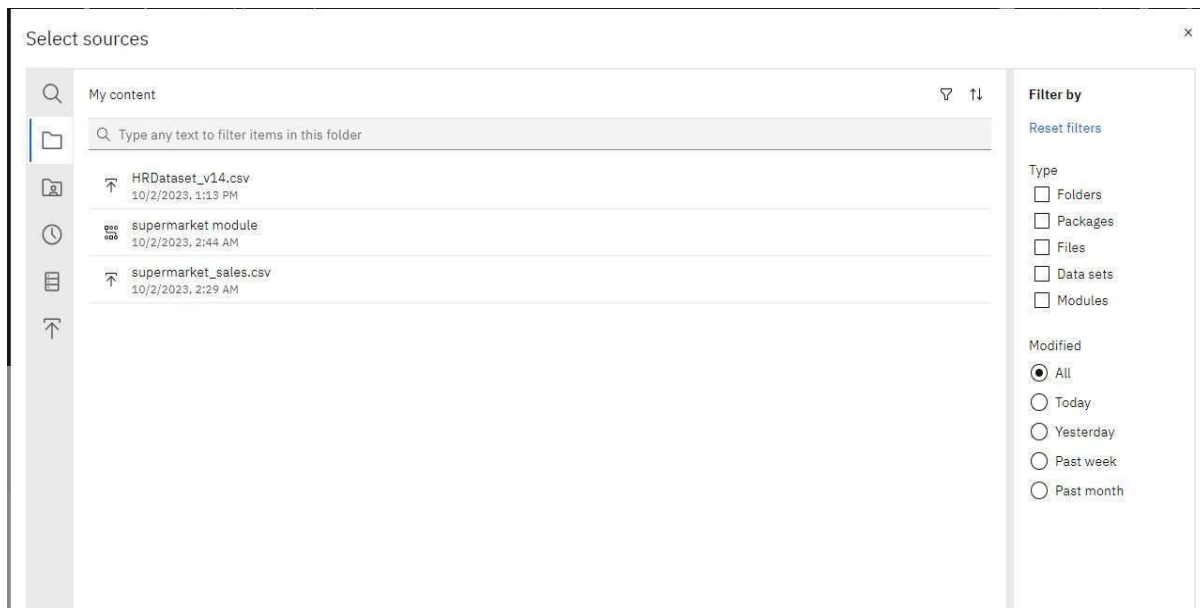# ASSIGNMENT-1

NAME : NITHISKUMAR S

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COLLEGE: MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY

Challenge:

Upload the dataset to Cognos Analytics, delete the unnecessary columns, create a data module, explore and visualize the dataset

1) UPLOAD DATASET AND CREATE A DATA MODULE

2) SUPERMARKET_SALES DATASET VISUALIZATIONS

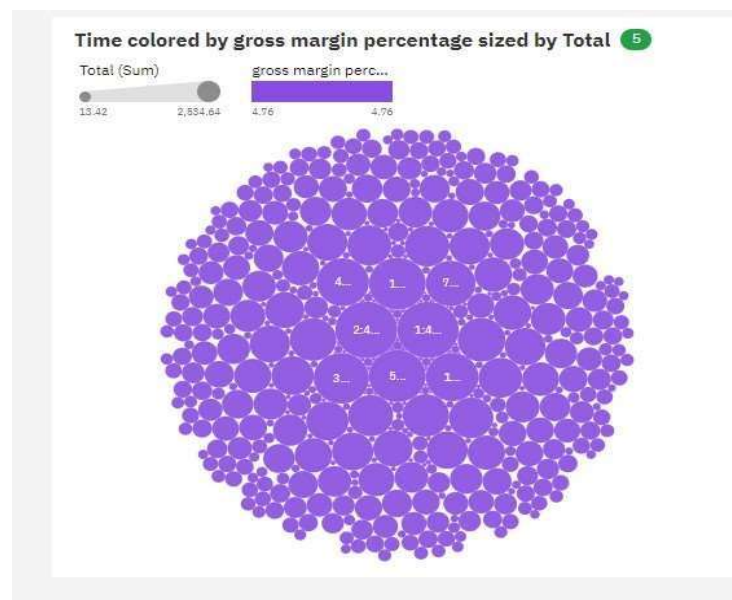### Unit price by Date colored by Quantity (4)

Details

Over all **dates** and **quantities**, the average of **Unit price** is 59.63.

The average values of **Unit price** range from 15.69 to 99.47.

2019-02-07 (11.6 %) and 2019-02-15 (11 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **Unit price** values (22.5 % of the total).

3 (12.1 %) and 10 (12.1 %) are the most frequently occurring categories of **Quantity** with a combined count of 42 items with **Unit price** values (24.3 % of the total).

Time colored by gross margin percentage sized by Total (5)

Details

The overall number of results for **gross margin percentage** is a thousand.

Over all **times**, the sum of **Total** is nearly 323 thousand.

Total ranges from 13.42, when **Time** is 14:11:00, to over 2500, when **Time** is 14:42:00.

For **Total**, the most significant values of **Time** are 14:42:00 and 13:48:00, whose respective **Total** values add up to over five thousand, or 1.6 % of the total.

Date colored by Total sized by gross margin percentage ⑤

gross margin perc... 4.76 — 4.76
Total (Sum) 934.24 — 7,474.08

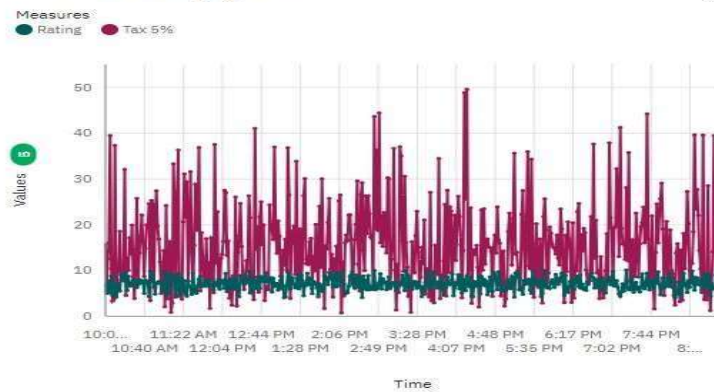|											
1/1/2019	1/11/20...	1/21/20...	1/31...	2/1/...	2/2/...	2/3/...	2/4/...	2/5/...	2/6/...	2/7/...	2/8/...
1/2/2019	1/12/20...	1/22/20...									
1/3/2019	1/13/20...	1/23/20...	2/9/2019	2/1...	2/1...	2/2...	2/2...	2/2...	2/2...	2/2...	2/2...
1/4/2019	1/14/20...	1/24/20...	2/10/2019								
1/5/2019	1/15/20...	1/25/20...	2/11/2019	2/26/2019	3/5/...	3/6/...	3/7/...	3/8/...	3/9/...	3/1...	
1/6/2019	1/16/20...	1/26/20...	2/12/2019	2/27/2019							
1/7/2019	1/17/20...	1/27/20...	2/13/2019	2/28/2019	3/11/20...	3/1...	3/1...	3/1...	3/1...	3/2...	
1/8/2019	1/18/20...	1/28/20...	2/14/2019	3/1/2019	3/12/20...						
1/9/2019	1/19/20...	1/29/20...	2/15/2019	3/2/2019	3/13/20...	3/21/2019	3/2...	3/2...	3/2...		
1/10/20...	1/20/20...	1/30/20...	2/16/2019	3/3/2019	3/14/20...	3/22/2019					
			2/17/2019	3/4/2019	3/15/20...	3/23/2019	3/28/2019	3/3...			
						3/24/2019	3/29/2019				

Details

Over all **dates**, the average of **gross margin percentage** is 4.762.

2019-02-07 (2 %) and 2019-02-15 (1.9 %) are the most frequently occurring categories of **Date** with a combined count of 39 items with **gross margin percentage** values (3.9 % of the total).

Tax 5% and Rating by Time

Measures
● Rating ● Tax 5%

Details

The average values of **Rating** range from 4, occurring when **Time** is 13:10:00, to 10, when **Time** is 19:18:00.

The average values of **Tax 5%** range from 0.639, occurring when **Time** is 14:11:00, to 49.49, when **Time** is 16:20:00.

The total number of results for **Tax 5%**, across all **times**, is a thousand.

The total number of results for **Rating**, across all **times**, is a thousand.

19:48:00 (0.7 %), 14:42:00 (0.7 %), and 17:38:00 (0.6 %) are the most frequently occurring categories of **Time** with a combined count of 20 items with **Tax 5%** values (2 % of the total).

Rating and cogs by Date

Column ● cogs (Sum)
Line ● Rating (Average)

3/5/2019
cogs: 5,934.17

Details

Across all **dates**, the sum of **cogs** is over 57 thousand.

cogs ranges from over four thousand, when **Date** is 2019-01-26, to over seven thousand, when **Date** is 2019-03-09.

For **cogs**, the most significant values of **Date** are 2019-03-09, 2019-02-07, 2019-03-14, 2019-02-15, and 2019-03-05, whose respective **cogs** values add up to over 33 thousand, or 58 % of the total.
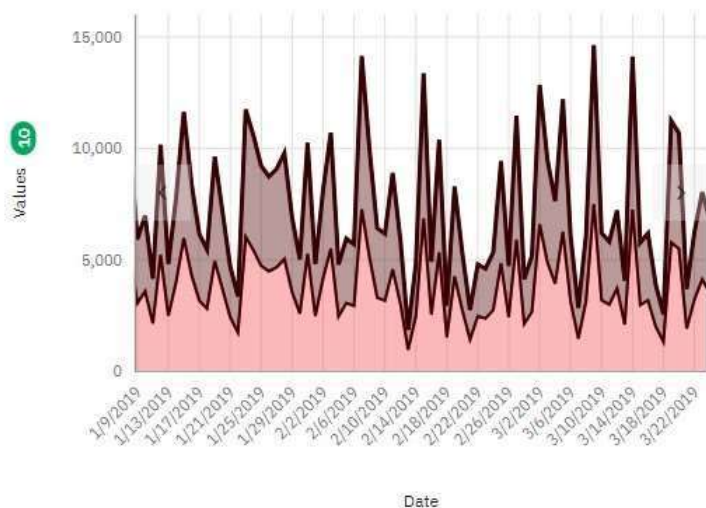
Over all **dates**, the average of **Rating** is 7.051.

The average values of **Rating** range from 6.372, occurring when **Date** is 2019-03-14, to 7.619, when **Date** is 2019-01-19.

cogs and Total by Date

Measures
● Total ● cogs

Details

The total number of results for **cogs**, across all **dates**, is a thousand.

Over all **dates**, the average of **cogs** is 307.6.

Total ranges from 934.2, when **Date** is 2019-02-13, to nearly 7500, when **Date** is 2019-03-09.

cogs ranges from 889.8, when **Date** is 2019-02-13, to over seven thousand, when **Date** is 2019-03-09.

The total number of results for **Total**, across all **dates**, is a thousand.

Over all **dates**, the average of **Total** is 323.

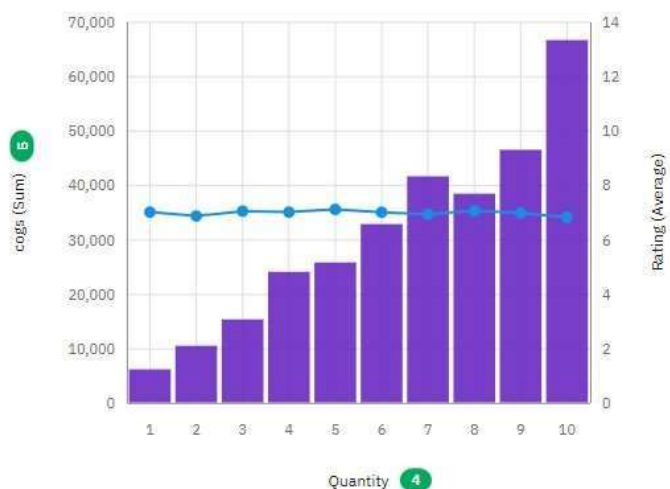2019-02-07 (2 %) and 2019-02-15 (1.9 %)

Rating and cogs by Quantity

Column
● cogs (Sum)

Line
● Rating (Average)

Details

Over all **quantities**, the sum of **cogs** is almost 308 thousand.

cogs ranges from over six thousand, when **Quantity** is 1, to almost 67 thousand, when **Quantity** is 10.

cogs is unusually high when **Quantity** is 10.

Over all **quantities**, the average of **Rating** is 6.973.

The average values of **Rating** range from 6.816, occurring when **Quantity** is 10, to 7.102, when **Quantity** is 5.

10 is the most frequently occurring category of **Quantity** with a count of 119 items with **Rating** values (11.9 % of the total).