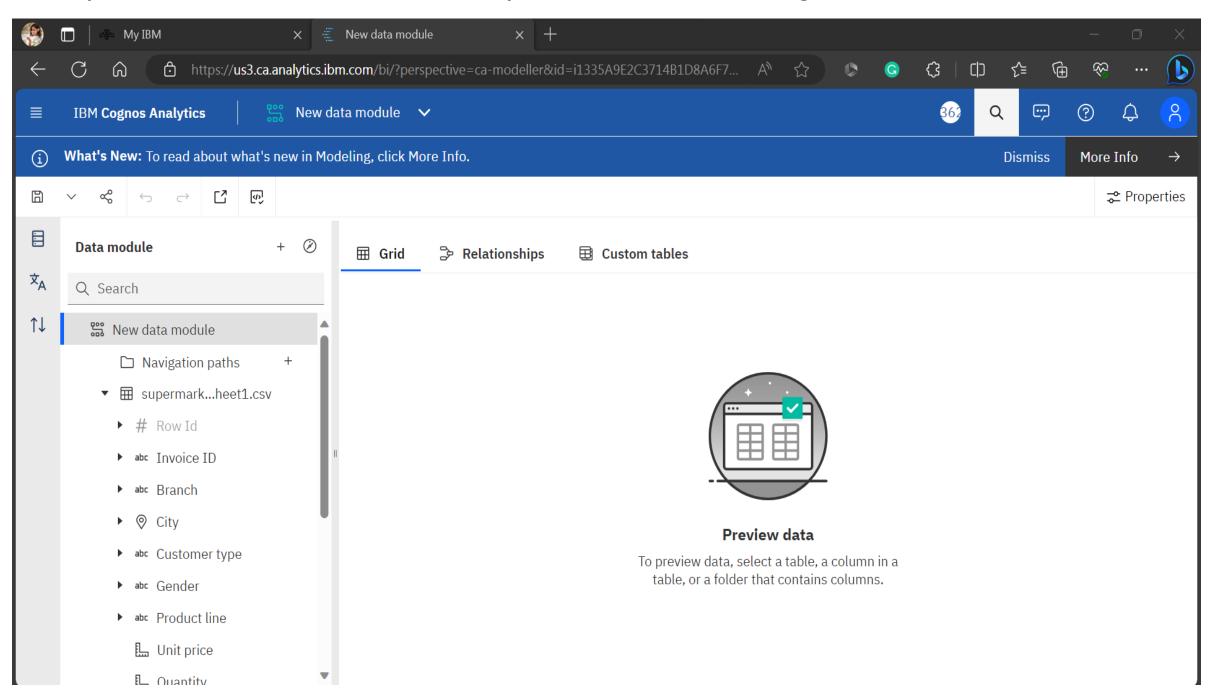
#### NM ASSIGNMENT 1

Done by Samuel Solomon

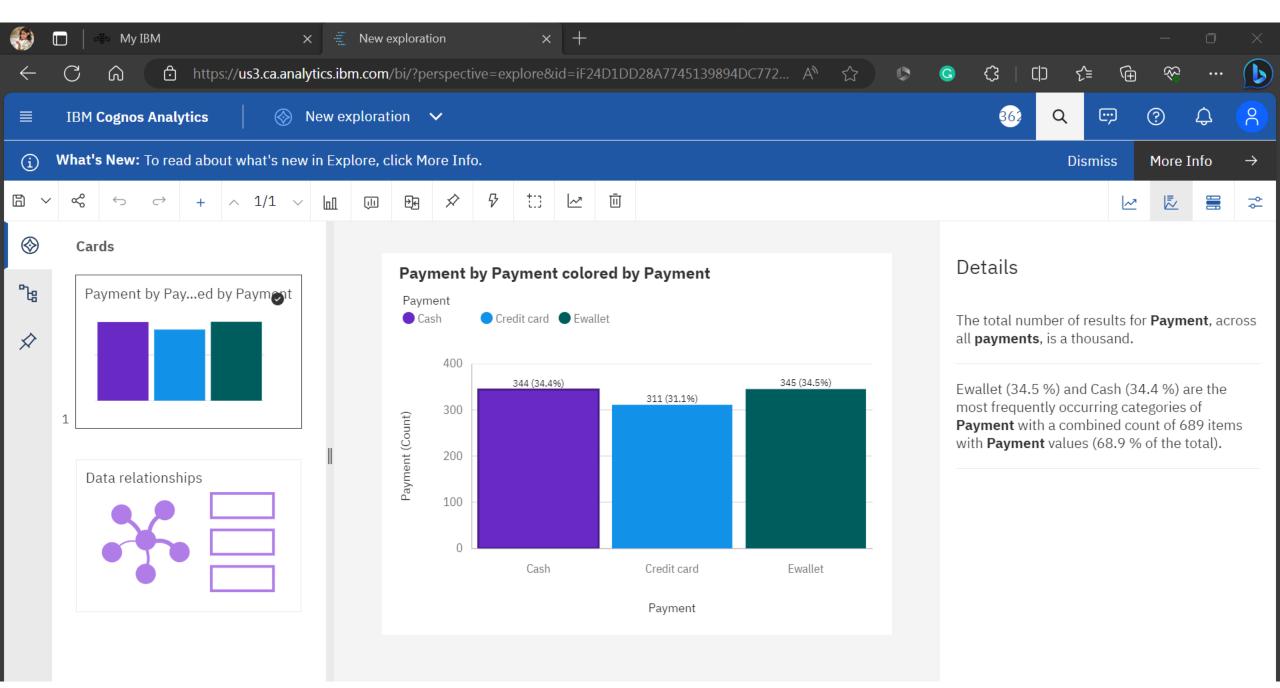
TEAM ID: NM2023TMID07102

Data Set Link: <u>Supermarket sales (kaggle.com)</u>

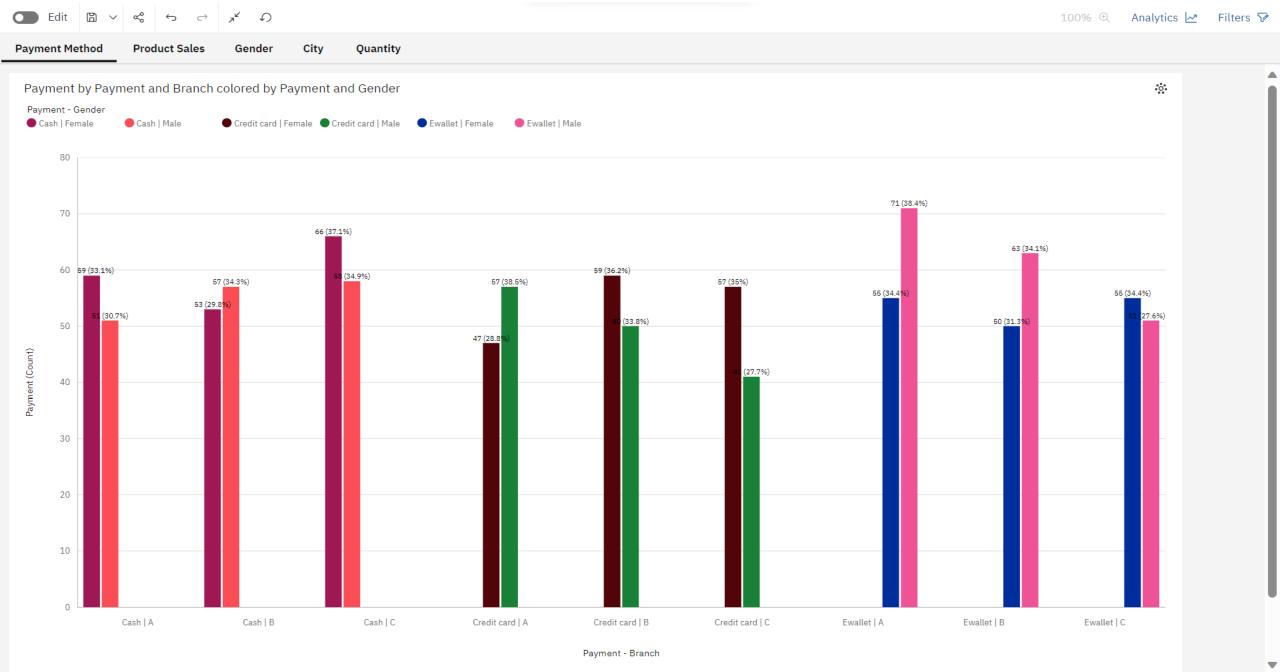
Step 1: Create a new data module from the uploaded CSV file for visualizing data

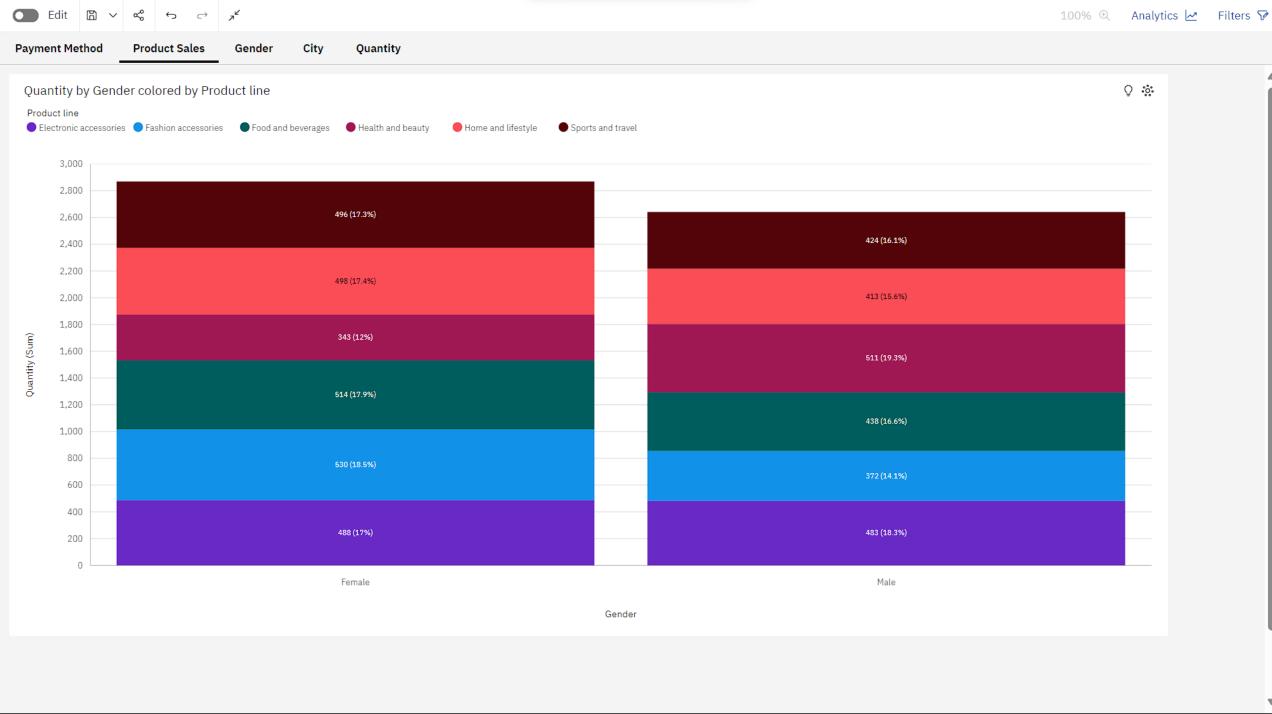


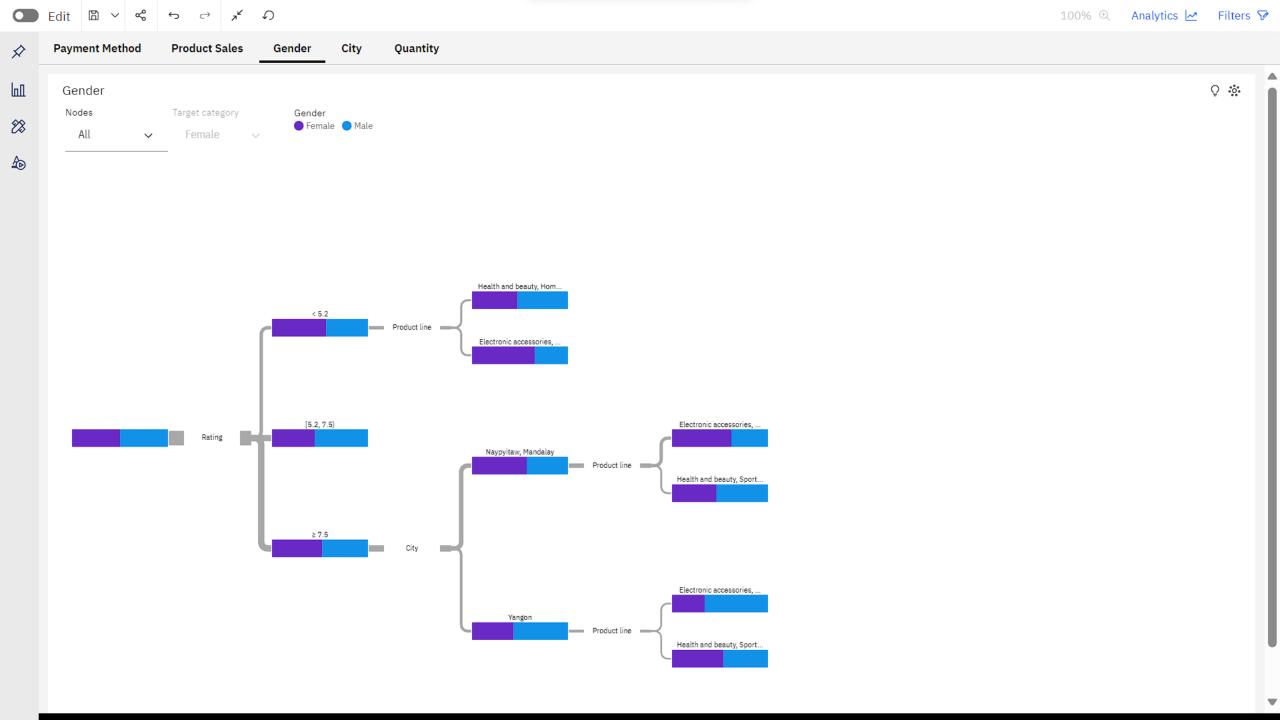
Step 2: Using data module, create more explorations and pin it.

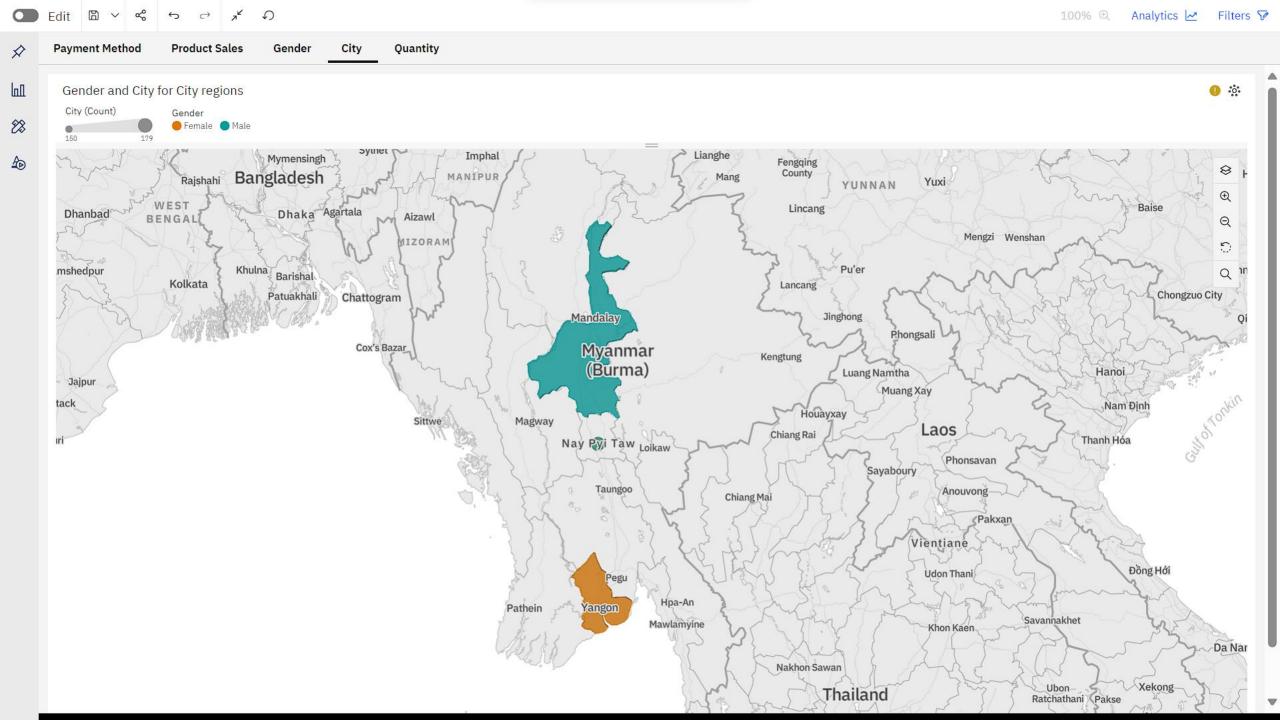


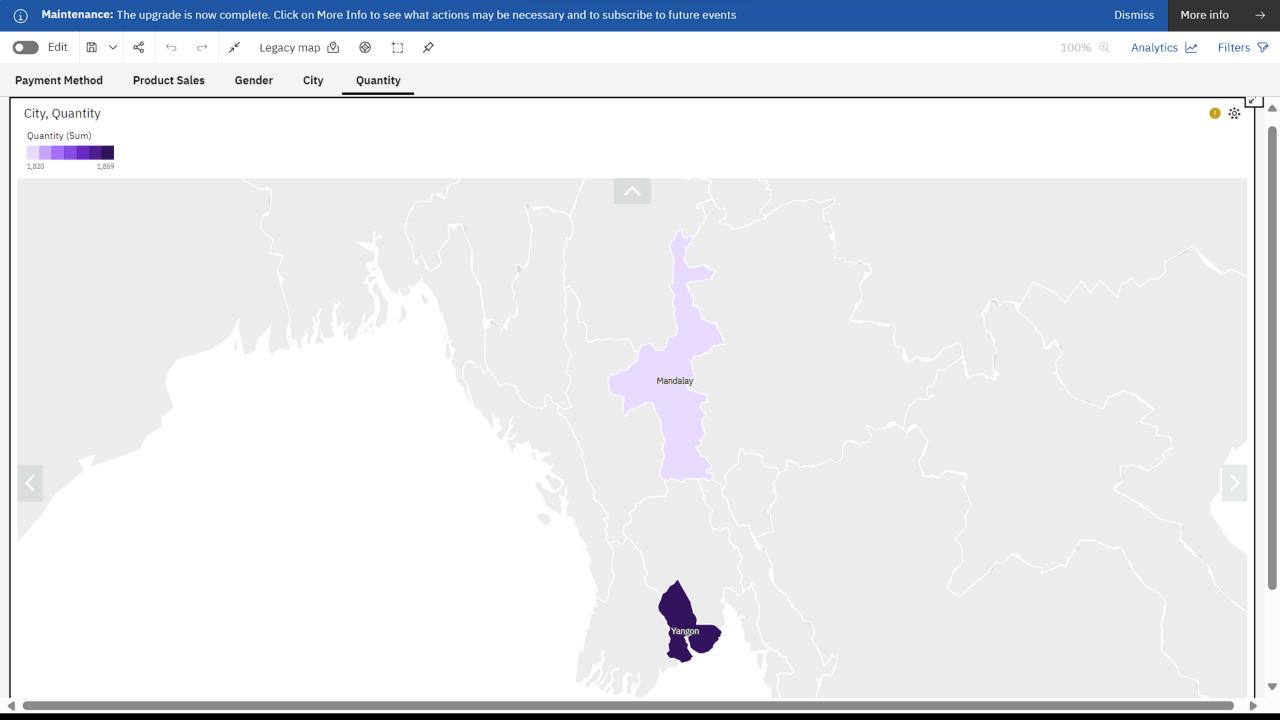
**Step 3: Using the pins, create Dashboard** 



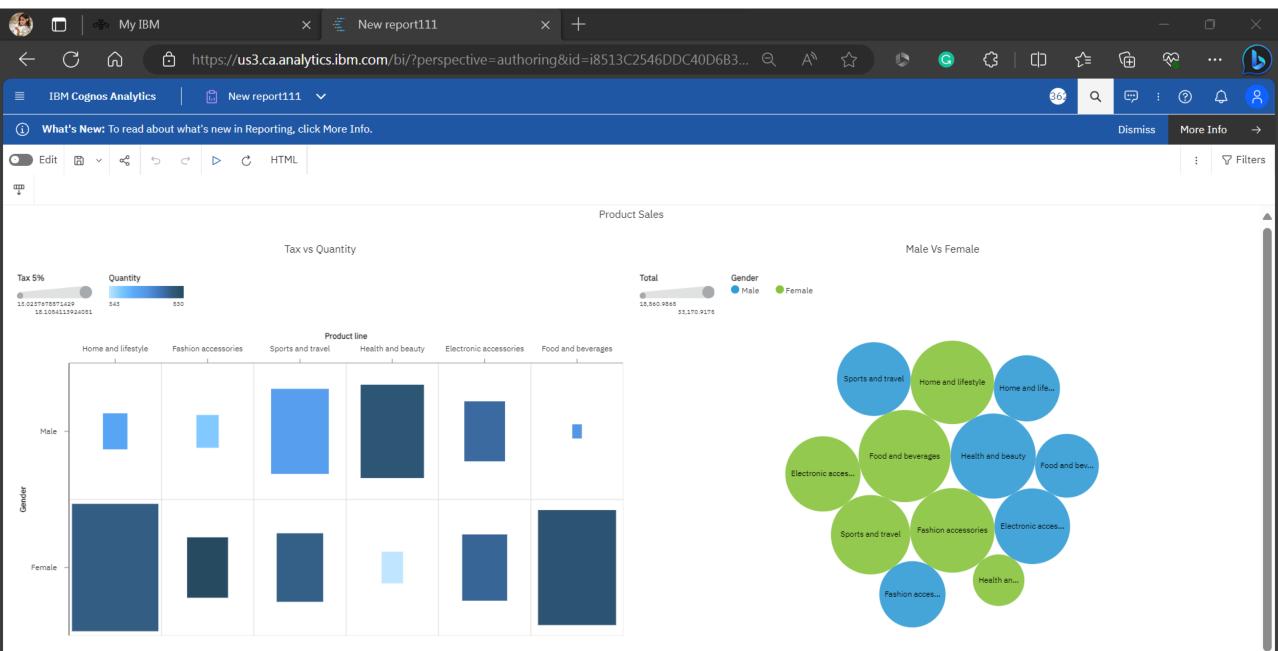








Step 4: After done with that dashboard, Now create a report.



#### Step 5: After done with that report, Create a story to view our visualizations in the form of slides.





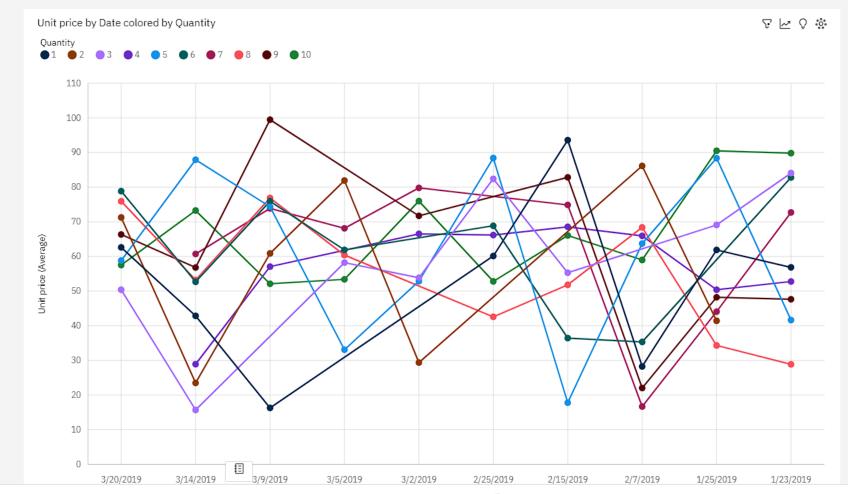
### TAX

- · Customer type Member has the highest values of both Tax 5% and Total.
- · Add insight to favorites
- 14:53:00 has a Tax 5% of 49.65 for Customer type Member.
- · Add insight to favorites
- 11:25:00 has a higher Tax 5% from Customer type Normal than 20:51:00.
- · Add insight to favorites
- Time 14:42:00 has the highest Total Total but is ranked #182 in Average Tax 5%.
- Add insight to favorites
- Time 16:20:00 has the highest Average Tax 5% but is ranked #93 in Total Total.
- · Add insight to favorites
- · Customer type Member has the highest Tax 5% at 5467, out of which Time 14:53:00 contributed the most at 49.65.
- · Add insight to favorites
- Time 20:51:00 has the highest average Tax 5% due to Customer type Normal.
- · Add insight to favorites
- · Member is the most frequently occurring category of Customer type with a count of 501 items with Tax 5% values (50.1 % of the total).
- · Add insight to favorites
- 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).
- · Add insight to favorites
- · Over all times and customer types, the average of Tax 5% is 15.38.
- · Add insight to favorites
- The average values of Tax 5% range from 0.639 to 49.65.

Tax 5% by Time colored by Customer type <u>~</u> ♀ ;; Customer type Member Normal 55 45 40 35 Tax 5% (Average) 30 25 20 15 10 11:01... 11:22... 11:42... 12:04... 12:27... 12:44... 1:06 PM 1:28 PM 1:48 PM 2:06 PM 2:28 PM 2:49 PM 3:10 PM 3:28 PM 3:47 PM 4:07 PM 4:30 PM 4:48 PM 5:09 PM 5:35 PM 5:58 PM 10:50... 11:12... 11:30... 11:52... 12 🗐 L2:36... 12:55... 1:19 PM 1:38 PM 1:56 PM 2:19 PM 2:40 PM 3:01 PM 3:01 PM 3:37 PM 3:56 PM 4:19 PM 4:38 PM 4:57 PM 5:20 PM 5:47 PM 6:06 PM

## DATE VS PRICE

- Date 2019-02-25 has the highest Average Unit price but is ranked #9 in Total Total.
- · Quantity 10 has the highest Total cogs but is ranked #6 in Average Unit price.
- . Date 2019-03-09 has the highest Unit price at 586.8, out of which Quantity 9 contributed the most at 99.47.
- · Quantity 7 has the highest Average Unit price but is ranked #3 in Total cogs.
- Date 2019-03-09 has the highest Total Total but is ranked #2 in Average Unit price.
- Quantity 10 Unit price from Date 2019-01-25 is 90.5, whereas 5 is only 88.36.
- Quantity 10 has the highest average Unit price due to Date 2019-01-25.
- 9 has a Unit price of 99.47 for Date 2019-03-09.
- · Add insight to favorite
- 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).
- · Add insight to favorites
- 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).
- · Add insight to favorites
- Over all dates and quantities, the average of Unit price is 59.63.
- · Add insight to favorites
- The average values of Unit price range from 15.69 to 99.47.







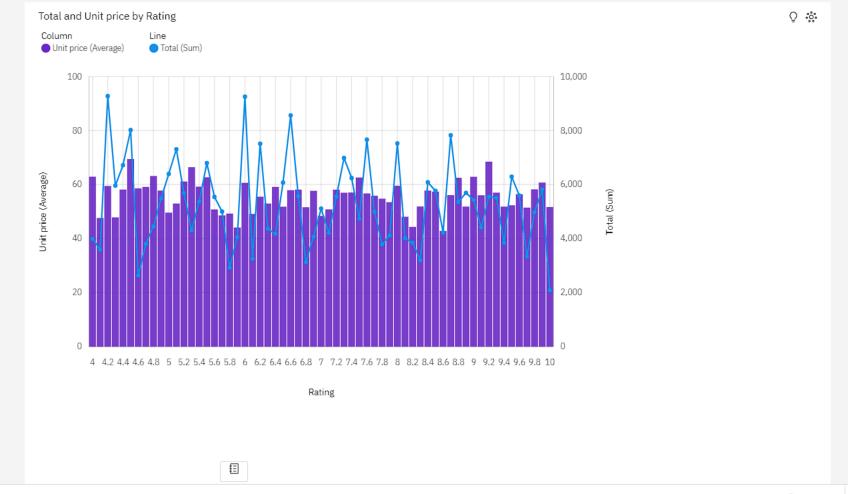




Analytics ~ Filters 🐶

## Rating Vs Price

- · Rating 4.2 has the highest Total cogs but is ranked #14 in Average Unit price.
- · Rating 4.5 has the highest Average Unit price but is ranked #4 in Total cogs.
- . 6 (2.6 %) and 6.6 (2.4 %) are the most frequently occurring categories of Rating with a combined count of 50 items with Unit price values (5 % of the total).
- Over all ratings, the average of Unit price is 55.67.
- . The average values of Unit price range from 42.8, occurring when Rating is 8.6, to 69.44, when Rating is 4.5.
- · Rating 4.2 has the highest values of both Total and cogs.
- · Over all ratings, the sum of Total is nearly 323 thousand.
- . Total ranges from over two thousand, when Rating is 10, to almost 9500, when Rating
- . For Total, the most significant values of Rating are 4.2, 6, and 6.6, whose respective Total values add up to over 27 thousand, or 8.4 % of the total.



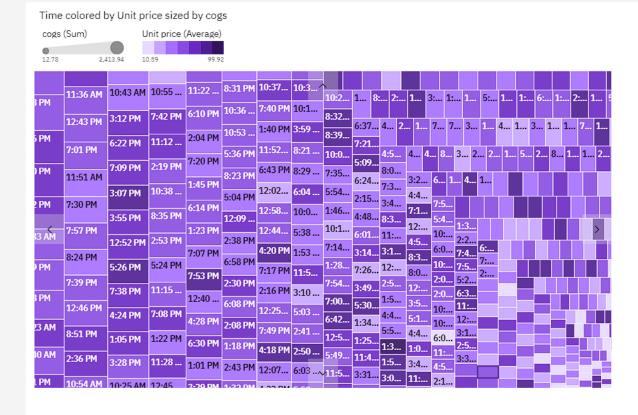




Analytics ~ Filters 🔽

## Time Vs Unit Price

- Time 14:42:00 has the highest Total Total but is ranked #252 in Average
- Time 14:42:00 has the highest Total cogs but is ranked #252 in Average Unit price.
- Time 13:33:00 has the highest Average Unit price but is ranked #212 in Total cogs.
- Time 13:33:00 has the highest Average Unit price but is ranked #212 in Total Total.
- · The total number of results for Unit price, across all times, is a thousand.
- Over all times, the sum of cogs is almost 308 thousand.
- cogs ranges from 12.78, when Time is 14:11:00, to almost 2500, when Time is 14:42:00.
- For cogs, the most significant values of Time are 14:42:00 and 13:48:00, whose respective cogs values add up to nearly five thousand, or 1.6 % of the total.





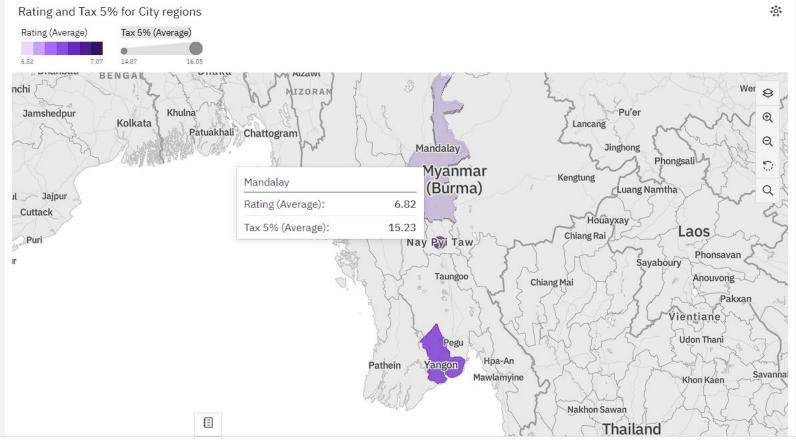


0 🔅

Filters &

# Rating Vs Taxes

- City Naypyitaw has the highest values of both Rating and Tax 5%.
- · Add insight to favorites
- · It is projected that by 2019-04-17, Yangon will exceed Naypyitaw in Rating by 0.61.
- From 2019-02-20 to 2019-02-21, Yangon's Rating dropped by 42%.
- · Yangon is the most frequently occurring category of City with a count of 340 items with Rating values (34 % of the total).
- · Over all cities, the average of Rating is 6.973.
- The total number of results for Tax 5%, across all cities, is a thousand.
- · The average values of Rating range from 6.818, occurring in Mandalay, to 7.073, in Naypyitaw.

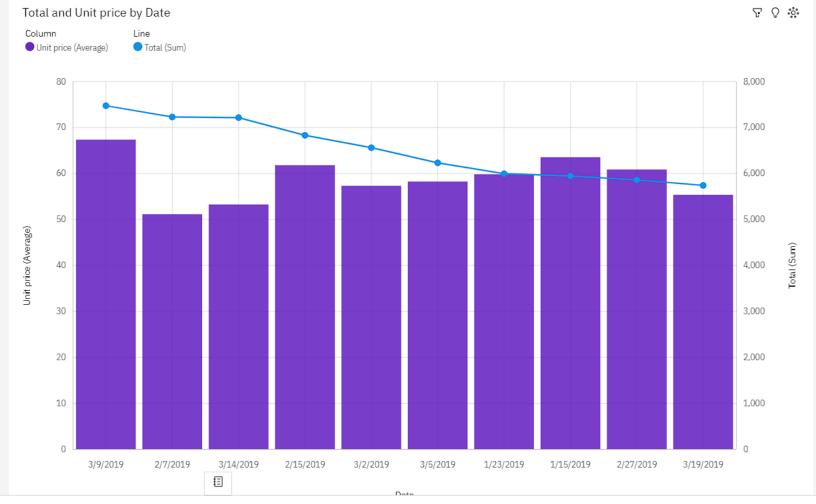






## Total Vs Unit Price Vs Date

- Date 2019-03-09 has the highest values of both Unit price and Total.
- · 2019-02-07 (11.9 %) and 2019-02-15 (11.3 %) are the most frequently occurring categories of Date with a combined count of 39 items with Unit price values (23.2 % of the total).
- Over all dates, the average of Unit price is 58.54.
- . The average values of Unit price range from 51.15, occurring when Date is 2019-02-07, to 67.35, when Date is 2019-03-09.
- Date 2019-03-09 has the highest values of both Total and cogs.
- · Across all dates, the sum of Total is over 65 thousand.
- Total ranges from over 5500, when Date is 2019-03-19, to nearly 7500, when Date is 2019-03-09.
- For Total, the most significant values of Date are 2019-03-09, 2019-02-07, 2019-03-14, 2019-02-15, and 2019-03-02, whose respective Total values add up to over 35 thousand, or 54.3 % of the total.







Step 6: Create a interactive website using the share link. Within html or flask application, place "iframe" links.

