Data Analytics Assignment 1

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Problem Statement:

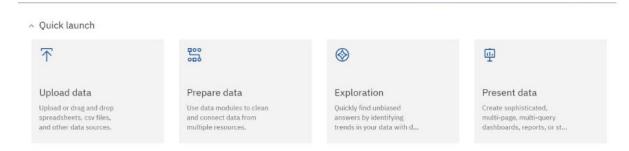
Supermarket growth data is given for 3 different branches. The time duration of the data spans over 3 months. The market competition is insane and this is especially true in the most populated cities.

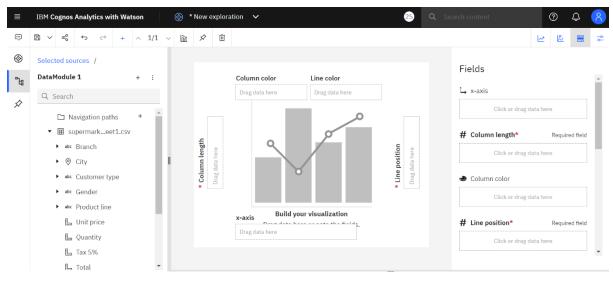
As a result we are given the task to visualize the dataset by uploading it to Cognos Analytics and do data preparation by deleting the unnecessary columns, creating a data module, and exploring and visualizing the dataset.

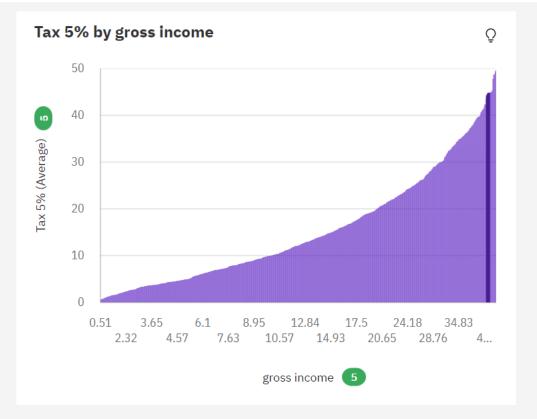
Dataset Link:

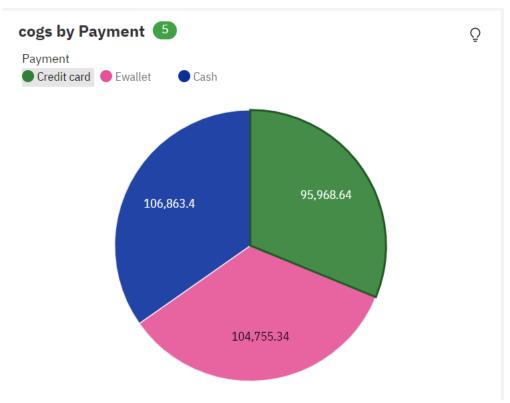
https://www.kaggle.com/datasets/aungpyaeap/supermarket-sales

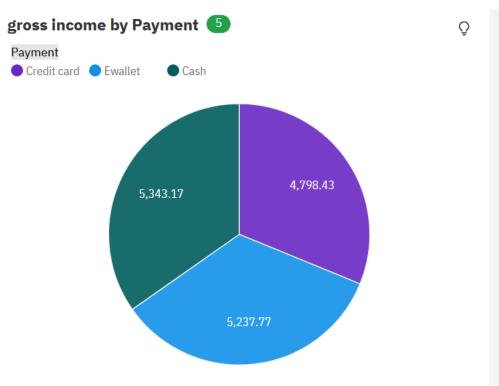
Steps:

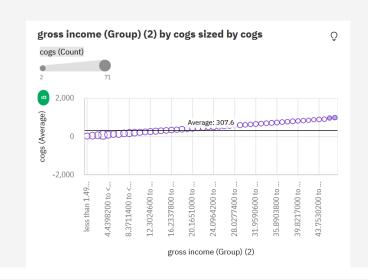


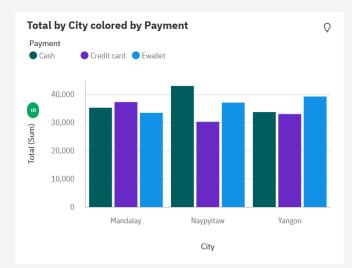












Details

Over all values of **gross income (Group) (2)**, the average of **cogs** is 307.6.

The average values of **cogs** range from 20.77, occurring when **gross income** (**Group**) (2) is less than 1.4913300, to 981.8, when **gross income** (**Group**) (2) is 48.6671700 and above.

gross income (Group) (2) strongly affects **cogs** (100%).

cogs is unusually high when gross income (Group) (2) is 48.6671700 and above and 47.6843400 to < 48.6671700.

Details

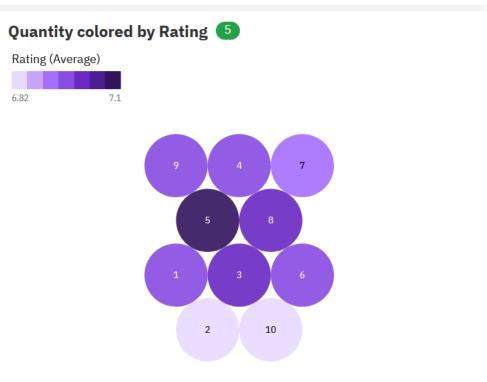
Over all **cities** and **payments**, the sum of **Total** is nearly 323 thousand.

The summed values of **Total** range from over 30 thousand to over 43 thousand.

For **Total**, the most significant values of **Payment** are Cash and Ewallet, whose respective **Total** values add up to over 222 thousand, or 68.8 % of the total.

For **Total**, the most significant value of **City** is Naypyitaw, whose respective **Total** values add up to nearly 111 thousand, or 34.2 % of the total.





Result:

Thus data exploration and visualization has been performed successfully,