PA3_2

G01337418

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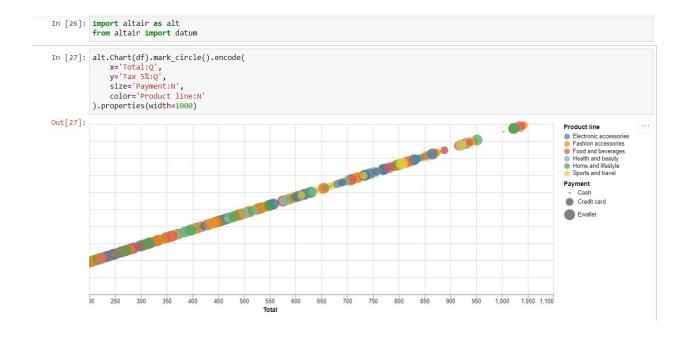
The dataset chosen is supermarket sales obtained from Kaggle. The dataset is thoroughly analyzed and the following operations are done by the following columns below and division operation is done. The result is saved in the combination of first two names of the column data.

```
In [25]: df["UNQU"] = df["Unit price"] / df["Quantity"]
df["TATO"] = df["Tax 5%"] / df["Total"]
df["GRTO"] = df["gross margin percentage"] / df["Total"]
df["COTO"] = df["cogs"] / df["Total"]
df["GRGR"] = df["gross margin percentage"] / df["gross income"]
```

Later few graphs are plotted.

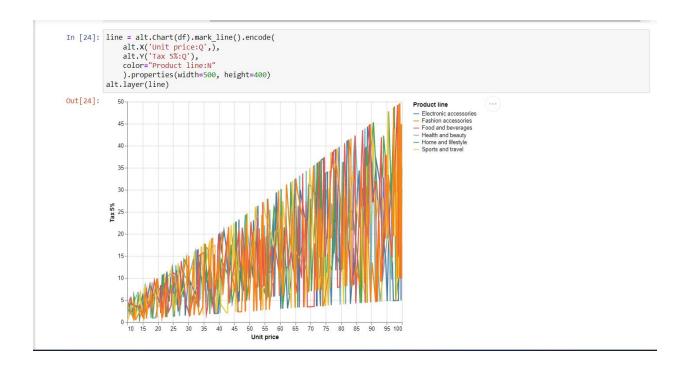
Tax 5% VS Total

The graph is plotted for tax of the product and total price of the products. The size of the points is representing which type of payment.



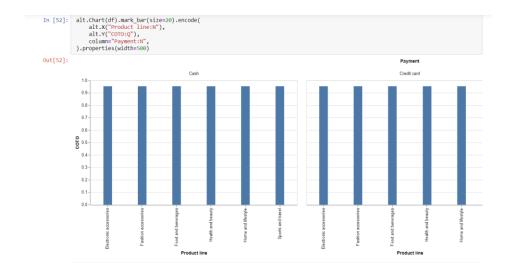
Tax vs Unit price

The graph is plotted between tax and unit price of the product. It is clearly evident that the unit price is varied according to product line.



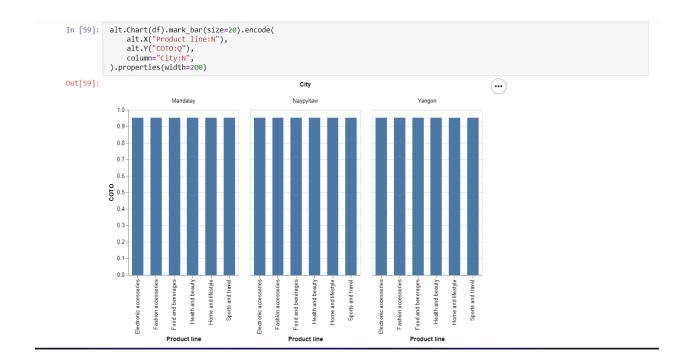
COTO VS PRODUCT LINE(Payment mode)

The graph is plotted for coto for different type of payments made and their corresponding products.



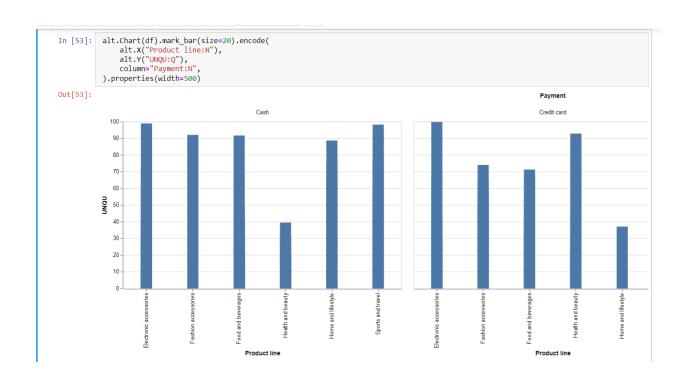
COTO VS PRODUCT LINE(City)

The graph is plotted for coto and cities and their corresponding products.



UNQU VS PRODUCT LINE(PAYMENT)

The graph is plotted for UNQU and payments and their corresponding products.



TAX VS UNIT PRICE

The regression line is plot ed between tax and unit price.

