IBM ASSIGNMENT 2

RETAIL STORE STOCK INVENTORY ANALYSIS

ROLL NO.: 718019L260
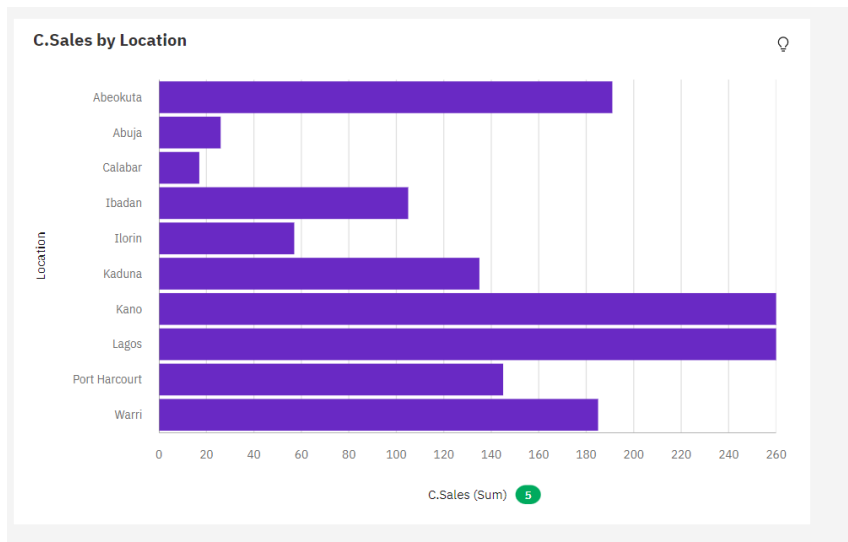
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BATCH: B6-6M2E

TASK 1: SALES BY CUSTOMER

C.Sales by Customer

Details

Over all **customers**, the sum of **C.Sales** is nearly 1500.

For **C.Sales**, the most significant values of **Customer** are LUTH and National Hospital, whose respective **C.Sales** values add up to 530, or 38.4 % of the total.

C.Sales ranges from 84, when **Customer** is Cadbury, to 270, when **Customer** is LUTH.

C.Sales is unusually high when **Customer** is LUTH and National Hospital.

TASK 2: SALES OF LOCATION

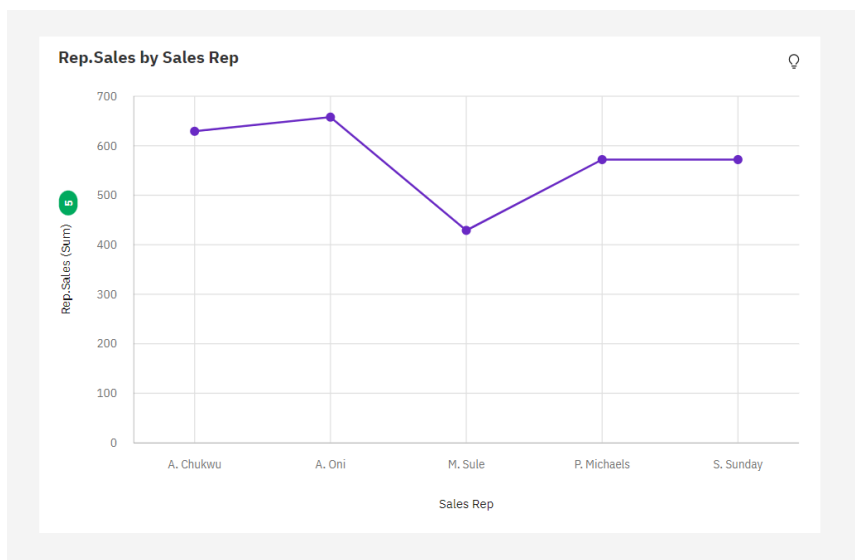## C.Sales by Location

Details

Over all **locations**, the sum of **C.Sales** is nearly 1500.

For **C.Sales**, the most significant values of **Location** are Kano and Lagos, whose respective **C.Sales** values add up to 520, or 37.7 % of the total.

C.Sales ranges from 17, when **Location** is Calabar, to 260, when **Location** is Kano.

C.Sales is most unusual when **Location** is Kano, Lagos and Calabar.

TASK 3: SALES OF SALES REPRESENTATIVE

Rep.Sales by Sales Rep

Details

Over all values of **Sales Rep**, the sum of **Rep.Sales** is nearly three thousand.

For **Rep.Sales**, the most significant values of **Sales Rep** are A. Oni, A. Chukwu, S. Sunday, and P. Michaels, whose respective **Rep.Sales** values add up to nearly 2500, or 85 % of the total.
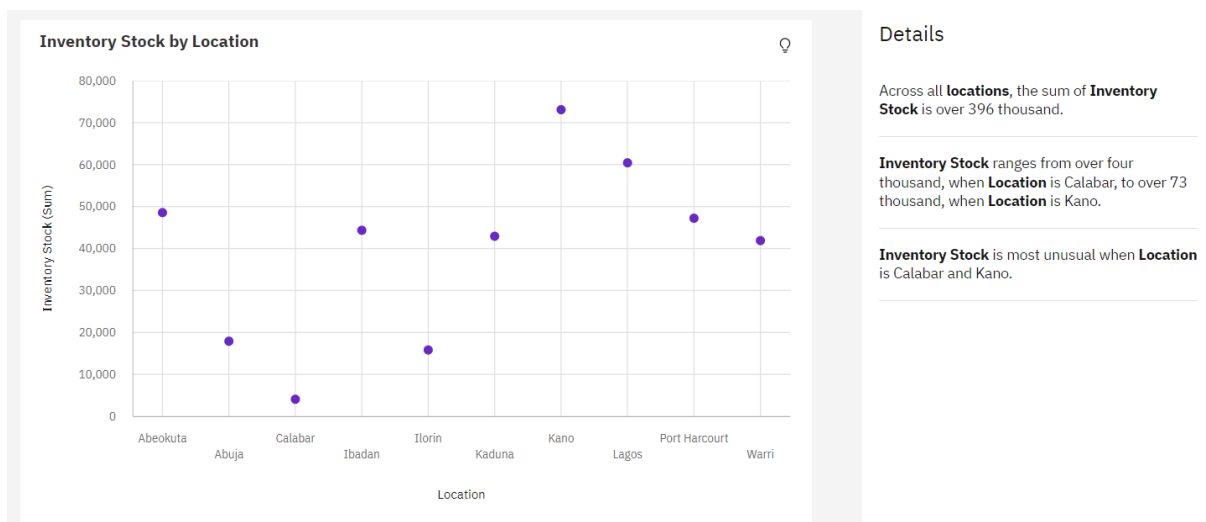
Rep.Sales ranges from 429, when **Sales Rep** is M. Sule, to 657.8, when **Sales Rep** is A. Oni.

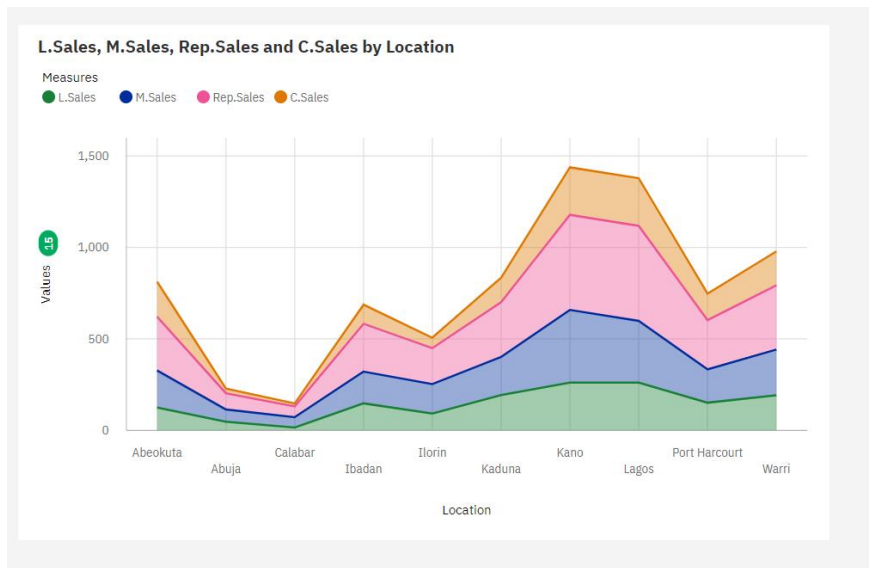**Rep.Sales** is unusually low when **Sales Rep** is M. Sule.

TASK 4: RECEIVED INVENTORY FROM SUPPLIER

Supplier and Received Inventory by Supplier

Column
- Received Inventory (Sum)

Line
- Supplier (Count)

Details

Over all **suppliers**, the sum of **Received Inventory** is nearly 1.8 million.

Received Inventory ranges from 360 thousand, when **Supplier** is Pfizer, to 650 thousand, when **Supplier** is Astra Zeneca.

Received Inventory is unusually high when **Supplier** is Astra Zeneca.

The total number of results for **Supplier**, across all **suppliers**, is 550.

The most common value of **Supplier** is Astra Zeneca, occurring 200 times, which is 36.4 % of the total.

The count is unusually high when **Supplier** is Astra Zeneca.

TASK 5: INVENTORY STOCK FOR WAREHOUSE LOCATIONS

Inventory Stock by Location

Details

Across all **locations**, the sum of **Inventory Stock** is over 396 thousand.

Inventory Stock ranges from over four thousand, when **Location** is Calabar, to over 73 thousand, when **Location** is Kano.

Inventory Stock is most unusual when **Location** is Calabar and Kano.

TASK 6: SALES TREND

BY LOCATION

L.Sales, M.Sales, Rep.Sales and C.Sales by Location

Measures
- L.Sales
- M.Sales
- Rep.Sales
- C.Sales

Details

The total number of results for **Rep.Sales**, across all **locations**, is 550.

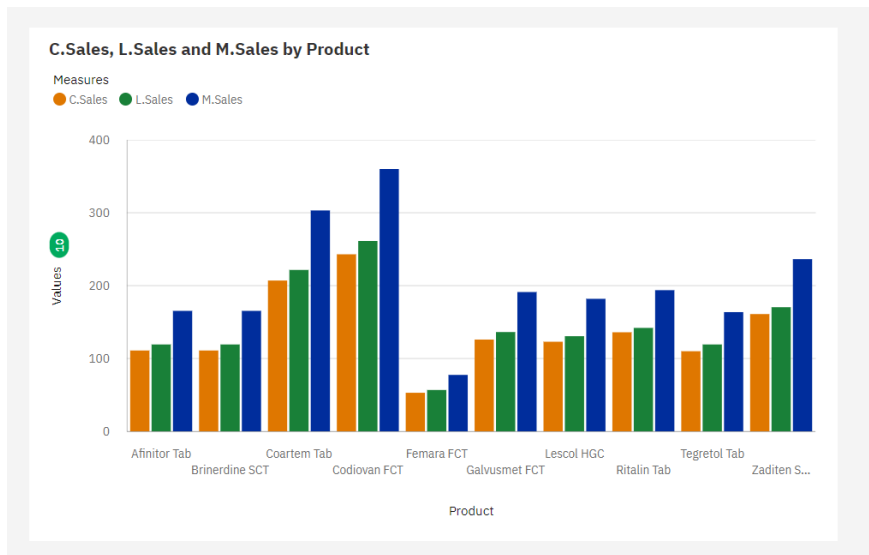Over all **locations**, the average of **Rep.Sales** is 5.2.

The most common values of **Location** are Kano (18.2 %) and Lagos (18.2 %), together occurring 200 times, which is 36.4 % of the total.

The total number of results for **L.Sales**, across all **locations**, is 550.

Over all **locations**, the average of **L.Sales** is 2.685.

L.Sales ranges from 14.6, when **Location** is Calabar, to 260, when **Location** is Kano.

BY PRODUCT

C.Sales, L.Sales and M.Sales by Product

Measures
- C.Sales
- L.Sales
- M.Sales

Details

The total number of results for **L.Sales**, across all **products**, is 550.

Over all **products**, the average of **L.Sales** is 2.685.

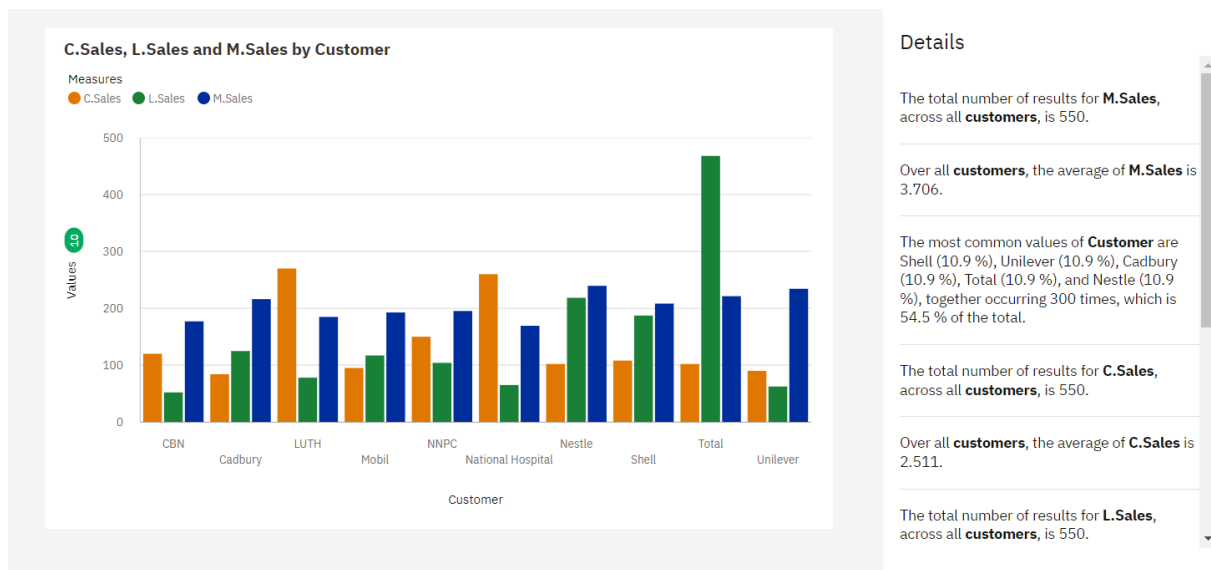The total number of results for **M.Sales**, across all **products**, is 550.

Over all **products**, the average of **M.Sales** is 3.706.

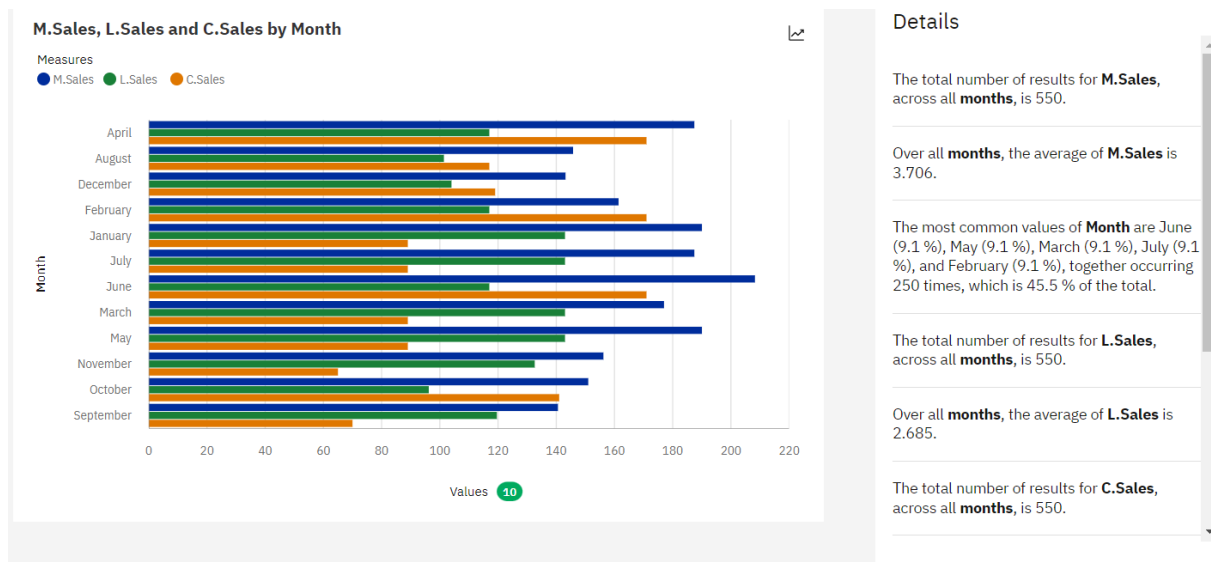The total number of results for **C.Sales**, across all **products**, is 550.

Over all **products**, the average of **C.Sales** is 2.511.

C.Sales ranges from 53, when **Product** is Femara FCT, to 242, when **Product** is

BY CUSTOMER
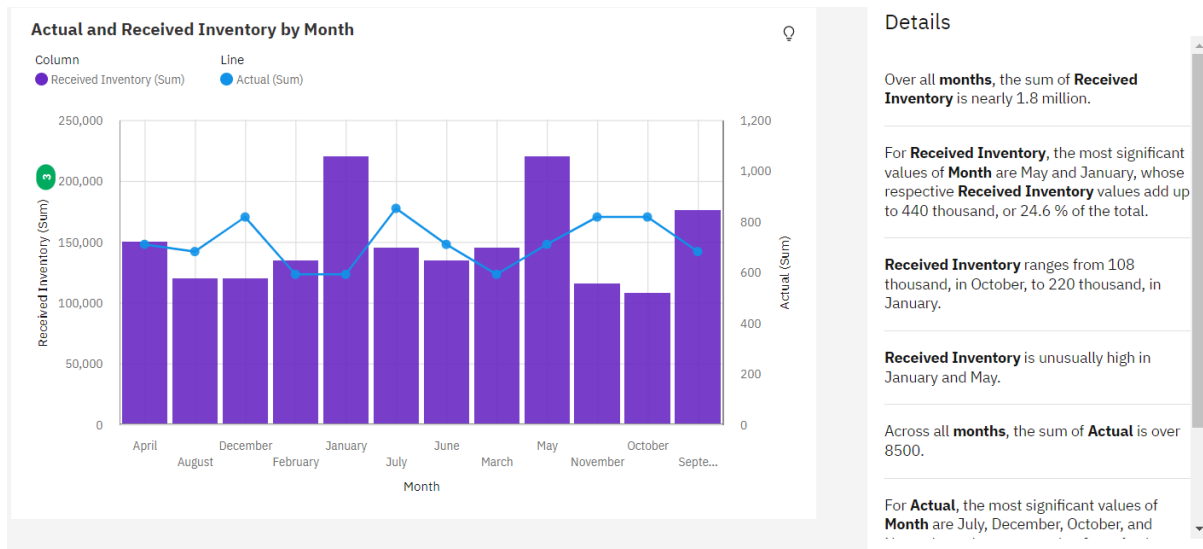
C.Sales, L.Sales and M.Sales by Customer

Measures
● C.Sales ● L.Sales ● M.Sales

TASK 7: MONTHLY SALES

M.Sales, L.Sales and C.Sales by Month

Measures
● M.Sales ● L.Sales ● C.Sales

TASK 8: ACTUAL AND RECEIVED INVENTORY BY MONTH

Actual and Received Inventory by Month

Column
● Received Inventory (Sum)

Line
● Actual (Sum)

Details

Over all **months**, the sum of **Received Inventory** is nearly 1.8 million.

For **Received Inventory**, the most significant values of **Month** are May and January, whose respective **Received Inventory** values add up to 440 thousand, or 24.6 % of the total.

Received Inventory ranges from 108 thousand, in October, to 220 thousand, in January.

Received Inventory is unusually high in January and May.

Across all **months**, the sum of **Actual** is over 8500.

For **Actual**, the most significant values of **Month** are July, December, October, and

LINK:

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