Assignment -2

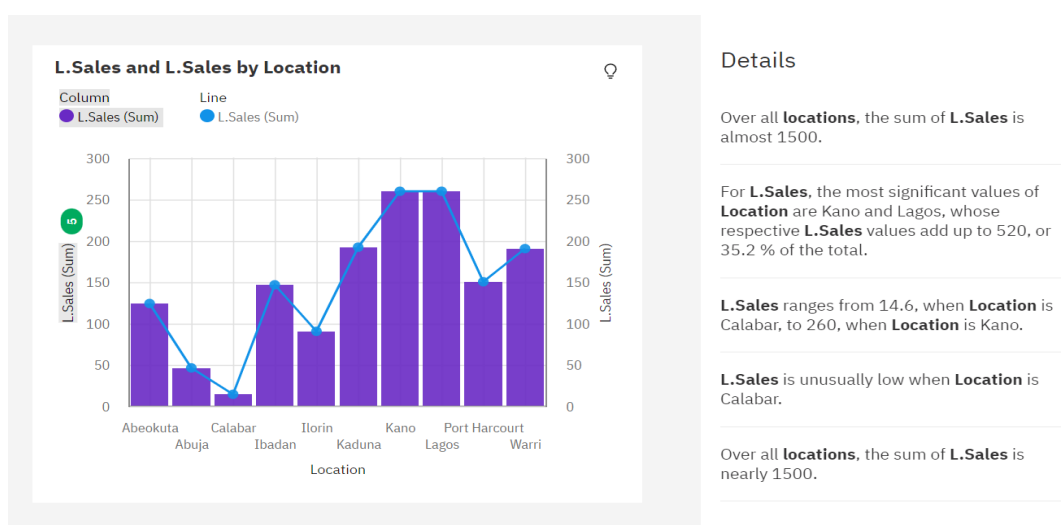| Assignment Date	19 September 2022
Student Name	Keerthana P
Student Roll Number	810019104032
Maximum Marks	2 Marks

Question:

Upload the dataset to Cognos Analytics, prepare the data, explore and Create Interactive Dashboard.
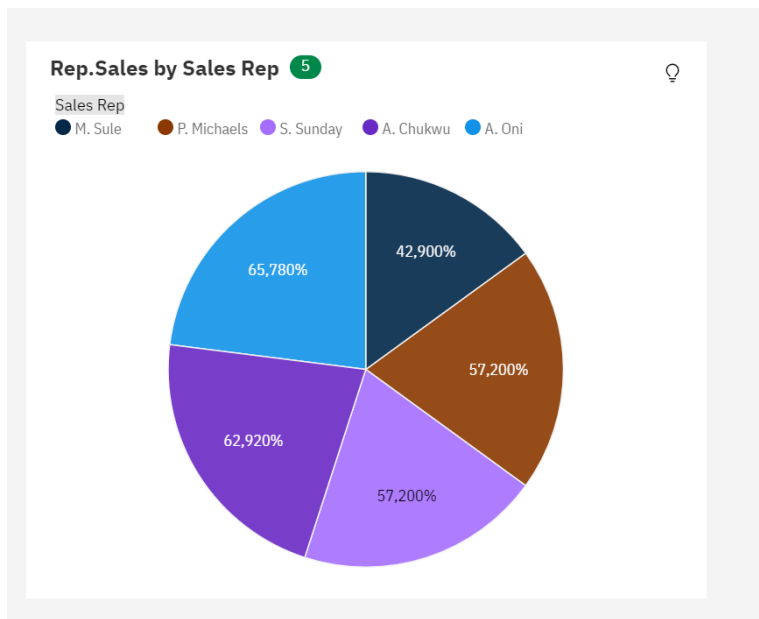
Task 1: Sales By Customer.
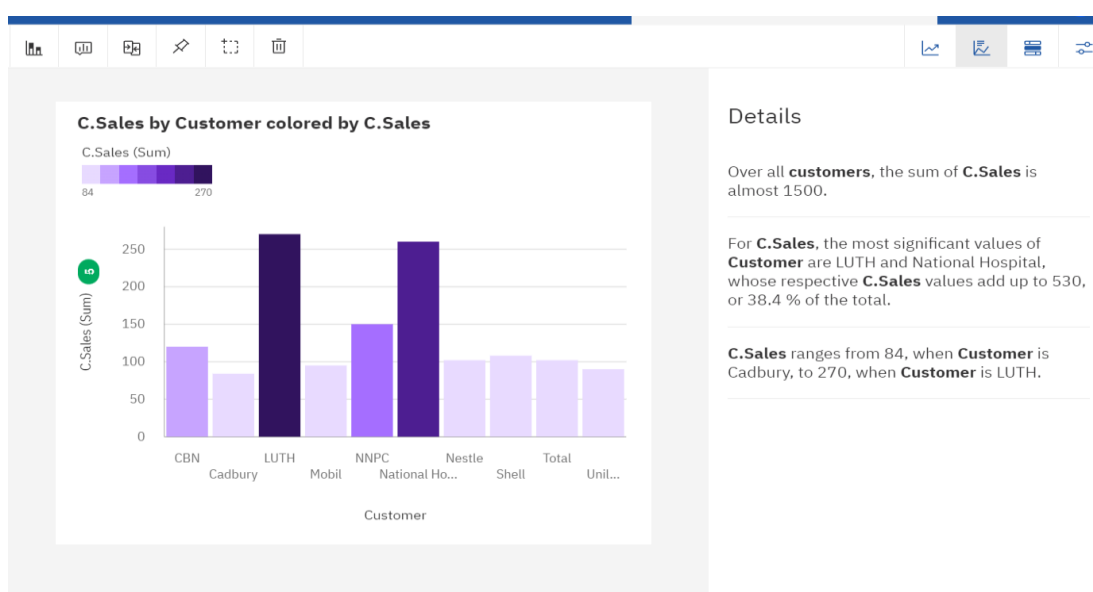
Task 2: Sales By Location.

Task 3: Sales By Sales Representative.

Rep.Sales by Sales Rep 5

Sales Rep
● M. Sule ● P. Michaels ● S. Sunday ● A. Chukwu ● A. Oni

- 42,900%
- 57,200%
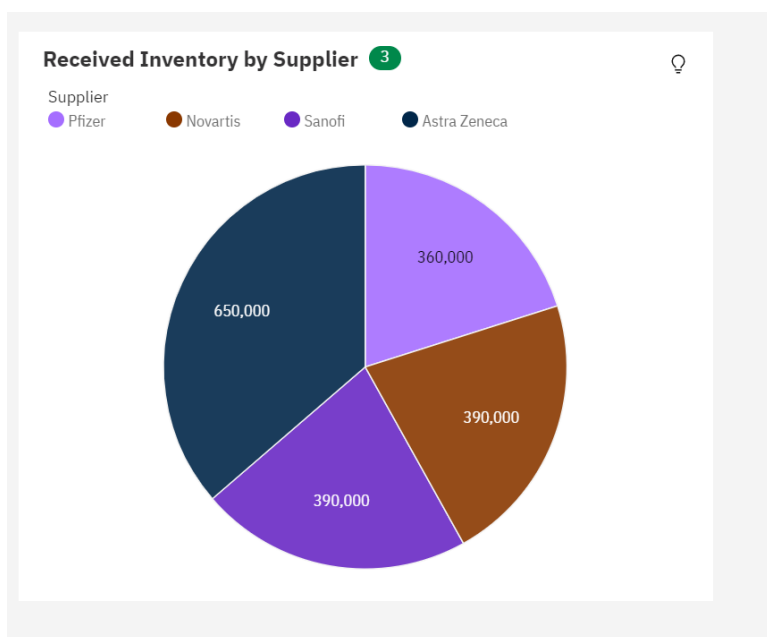- 57,200%
- 62,920%
- 65,780%

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 almost 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

Received Inventory by Supplier 3

Supplier
● Pfizer ● Novartis ● Sanofi ● Astra Zeneca

- 360,000
- 390,000
- 390,000
- 650,000

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.

Task 5: Inventory Stock for Warehouse Locations

Inventory Stock for Warehouse Locations

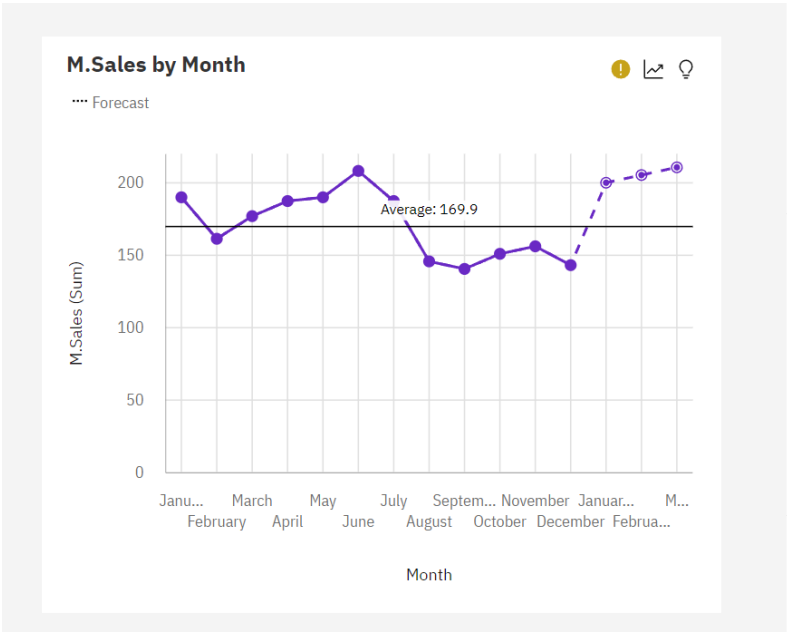|	Inventory Stock
Amuwo	85,260
Apapa	60,424.168
Calabar	6,960
Ikeja	73,080
In Transit	3,480
Kaduna	64,380
Kano	67,280
Port Harcourt	35,380
Summary	**396,244.168**

Details

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

For **Inventory Stock**, the most significant values of **Warehouse Locations** are Amuwo, Ikeja, Kano, Kaduna, and Apapa, whose respective **Inventory Stock** values add up to over 350 thousand, or 88.4 % of the total.

Inventory Stock ranges from nearly 3500, when **Warehouse Locations** is In Transit, to over 85 thousand, when **Warehouse Locations** is Amuwo.

Task 6: Sales Trend

M.Sales by Month

⋯ Forecast

Average: 169.9

(Line chart: M.Sales (Sum) on y-axis ranging 0 to 200, Month on x-axis from January to March/following February)

Analytics

See statistical details

Insights

Show average value

The average value of M.Sales is 169.9.

Show meaningful differences

None found

⚠ **Annotation warnings:**

• Forecasting requires visualization

Task 7: Monthly Sales

M.Sales by Month colored by Month

Month
- April
- August
- December
- February
- January
- July
- June
- March
- May
- November
- October
- September

Y-axis: M.Sales (Sum) — 0, 50, 100, 150, 200

X-axis: April, August, December, February, January, July, June, March, May, November, October, Sep... — Month
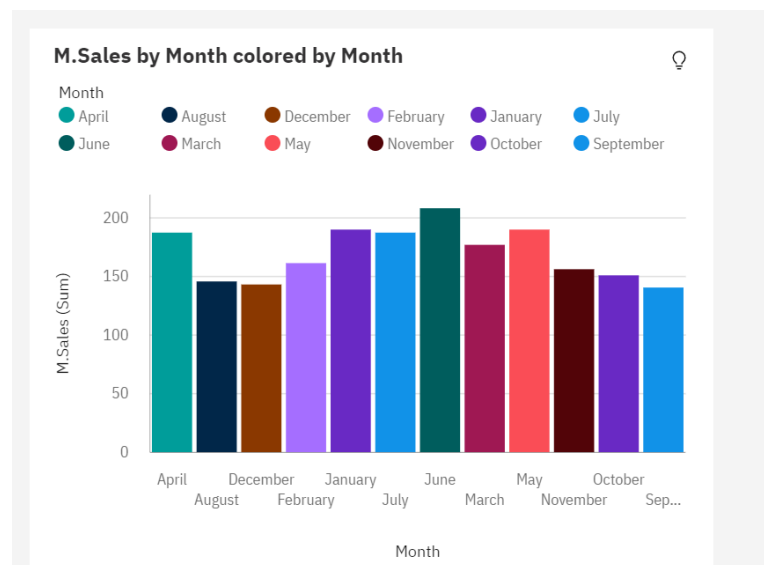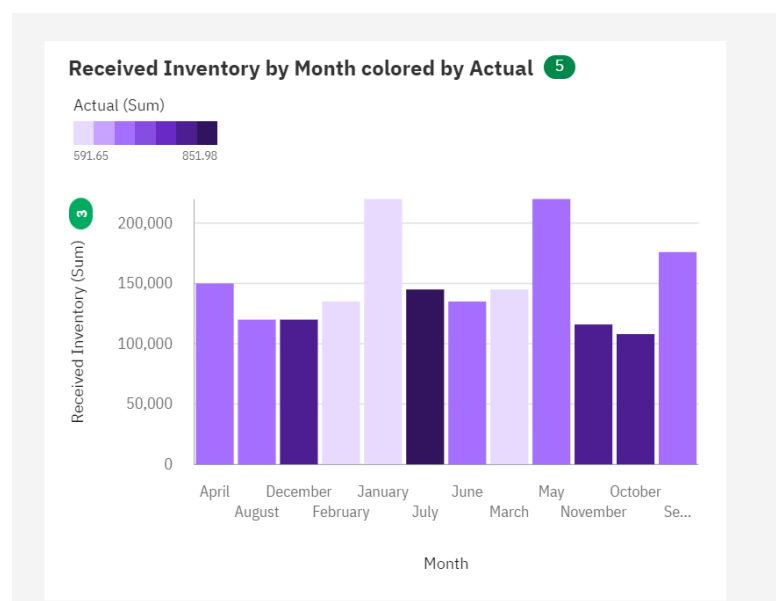
Details

Across all **months** and **months**, the sum of **M.Sales** is over two thousand.

For **M.Sales**, the most significant value of **Month** is June, whose respective **M.Sales** values add up to 208.3, or 10.2 % of the total.

The summed values of **M.Sales** range from 140.6 to 208.3.

Task 8: Actual and Received Inventory by Month

Received Inventory by Month colored by Actual ⑤

Actual (Sum)
591.65 — 851.98

③

Y-axis: Received Inventory (Sum) — 0, 50,000, 100,000, 150,000, 200,000

X-axis: April, August, December, February, January, July, June, March, May, November, October, Se... — Month

Details

Over all **months**, the sum of **Received Inventory** is almost 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.