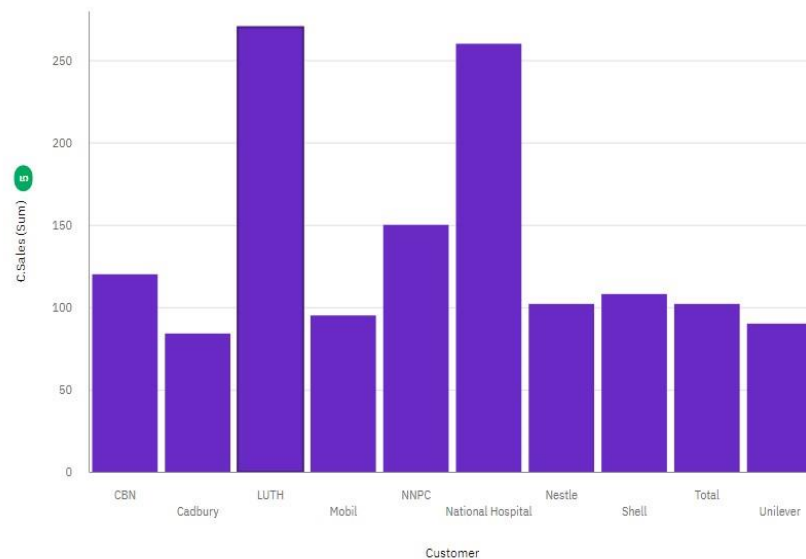


# ANALYTICS FOR HOSPITAL HEALTH CARE DATA

## ASSIGNMENT 2

NAME: ARUN KUMAR K

C.Sales by Customer



### Details

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

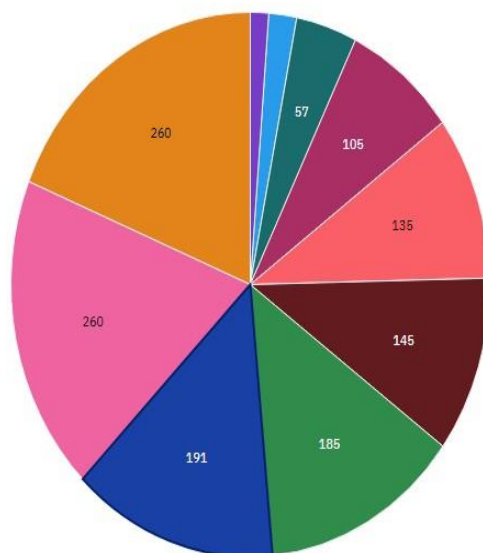
For C.Sales, the most significant values of Customer are LUTH and National Hospital, whose respective C.Sales values add up to 530, or 38.4 % of the total.

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.

C.Sales by Location 5

Location  
Calabar Abuja Ilorin Ibadan Kaduna Port Harcourt Warri Abeokuta  
Lagos Kano



### Details

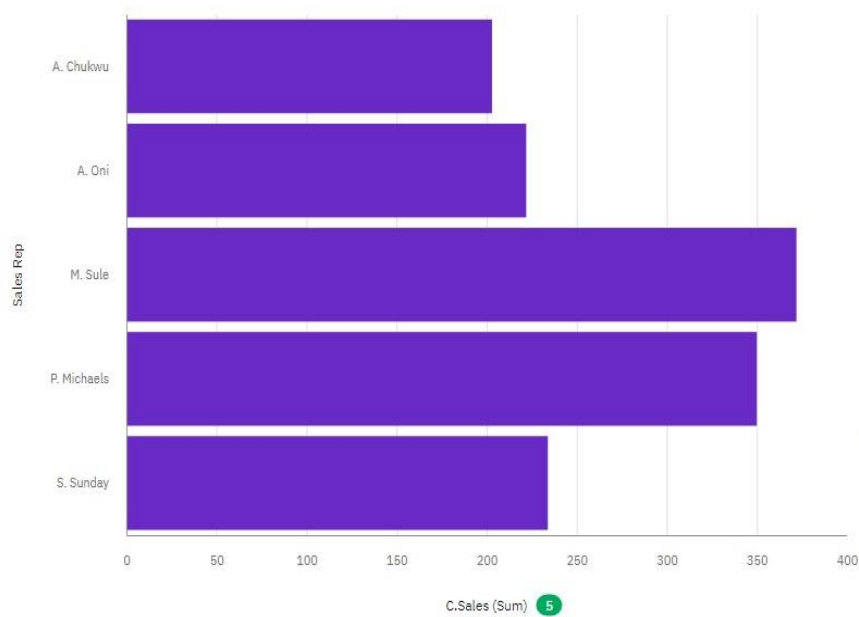
Over all locations, the sum of C.Sales is almost 1500.

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 Lagos.

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

C.Sales by Sales Rep



## Details

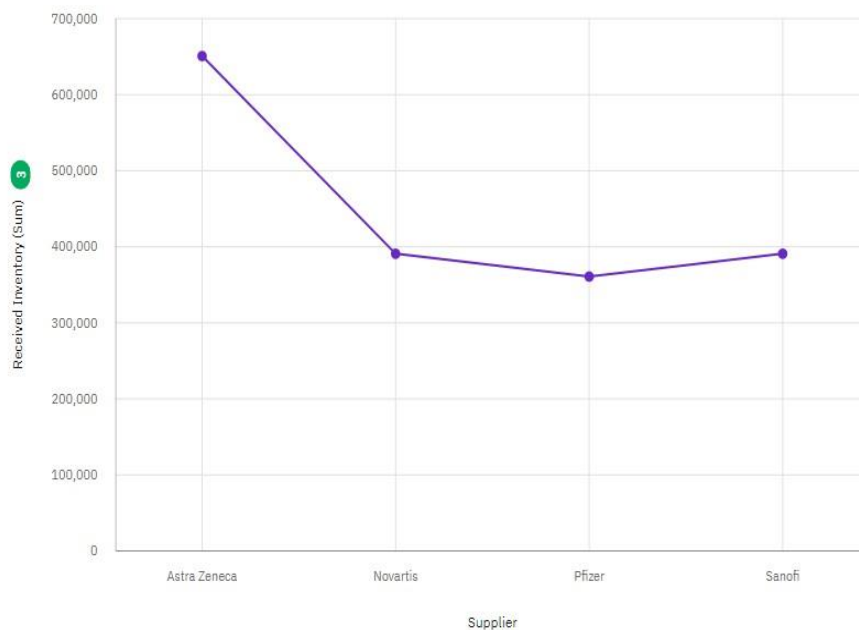
Over all values of **Sales Rep**, the sum of **C.Sales** is nearly 1500.

For **C.Sales**, the most significant values of **Sales Rep** are M. Sule and P. Michaels, whose respective **C.Sales** values add up to 722, or 52.3 % of the total.

**C.Sales** ranges from 203, when **Sales Rep** is A. Chukwu, to 372, when **Sales Rep** is M. Sule.

**C.Sales** is unusually high when **Sales Rep** is M. Sule.

Received Inventory by Supplier



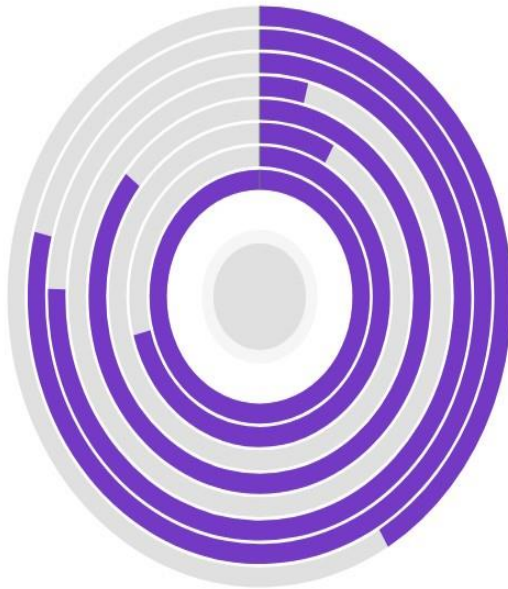
## Details

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.

## Inventory Stock by Warehouse Locations



## Details

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

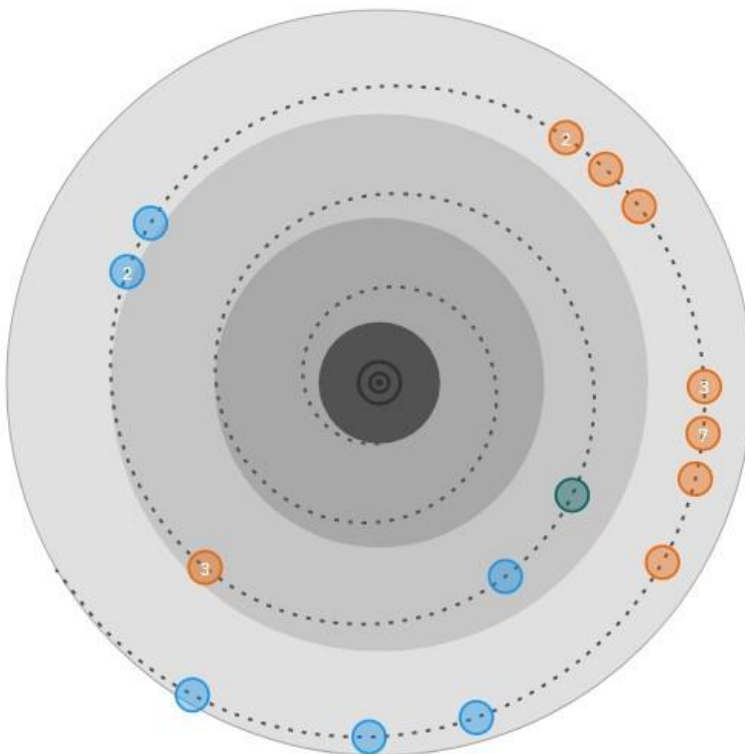
For **Inventory Stock**, the most significant values of **Warehouse Locations** are Amuwo, Ikeja, Kano, Kaduna, and Apapa, whose respective **Inventory Stock** values add up to over 350 thousand, or 88.4 % of the total.

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

**Inventory Stock** is most unusual when **Warehouse Locations** is In Transit, Calabar and Amuwo.

## M.Sales

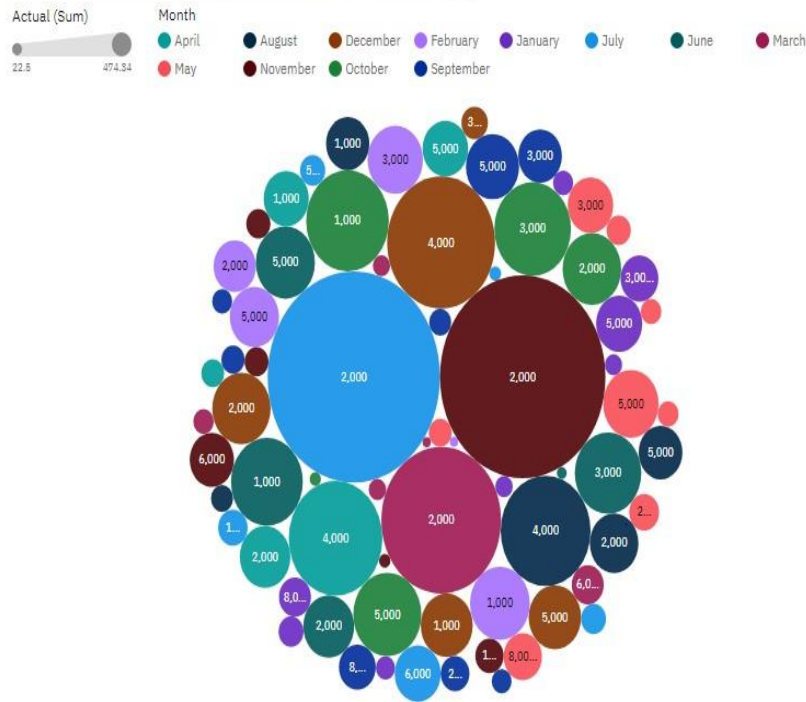
● 1 Driver ● 2 Drivers ● Combination



Search drivers

| Drivers                          | %  |
|----------------------------------|----|
| Product, Location and Month      | 60 |
| Product                          | 58 |
| Rep.Sales and Received Inventory | 52 |
| Actual and Rep.Sales             | 52 |
| Actual and Period                | 52 |
| L.Sales and Customer             | 46 |
| Actual                           | 46 |
| Rep.Sales                        | 45 |
| Target and Month                 | 36 |
| L.Sales and Sales Rep            | 36 |
| L.Sales and Supplier             | 35 |
| Target and Period                | 34 |
| L.Sales and C.Sales              | 30 |
| Target and Received Inventory    | 30 |

Received Inventory colored by Month sized by Actual 8



## Details

For **Actual**, the most significant values of **Month** are July, December, October, and November, whose respective **Actual** values add up to nearly 3500, or 38.6 % of the total.

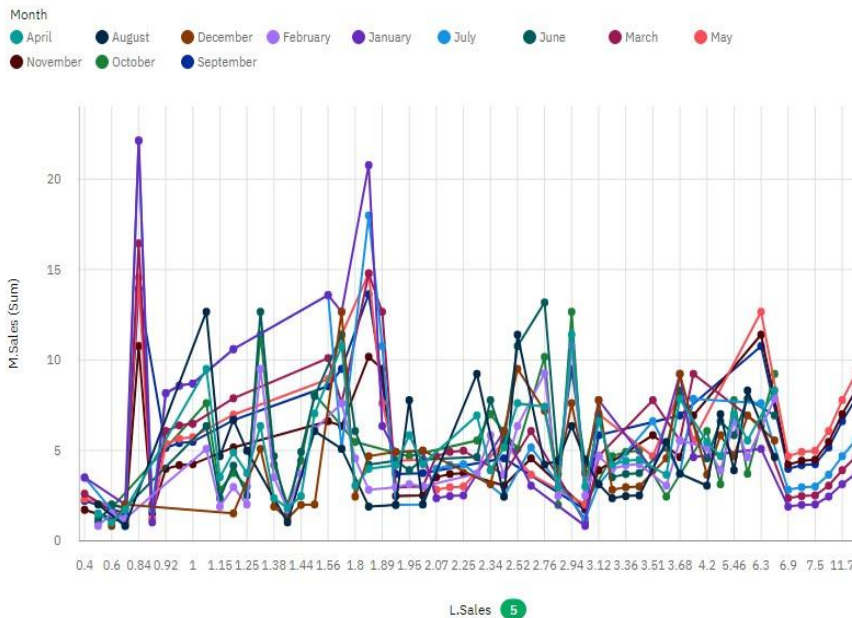
Across all values of **Received Inventory** and **Month**, the sum of **Actual** is over 8500.

For **Actual**, the most significant value of **Received Inventory** is 2000, whose respective **Actual** values add up to nearly 2500, or 27.3 % of the total.

The summed values of **Actual** range from 22.5 to 474.3.

**Actual** is unusually high when **Received Inventory** is 2000.

M.Sales by L.Sales colored by Month



## Details

For **M.Sales**, the most significant values of **L.Sales** are 1.84, 1.68, and 0.84, whose respective **M.Sales** values add up to 308.9, or 15.2 % of the total.

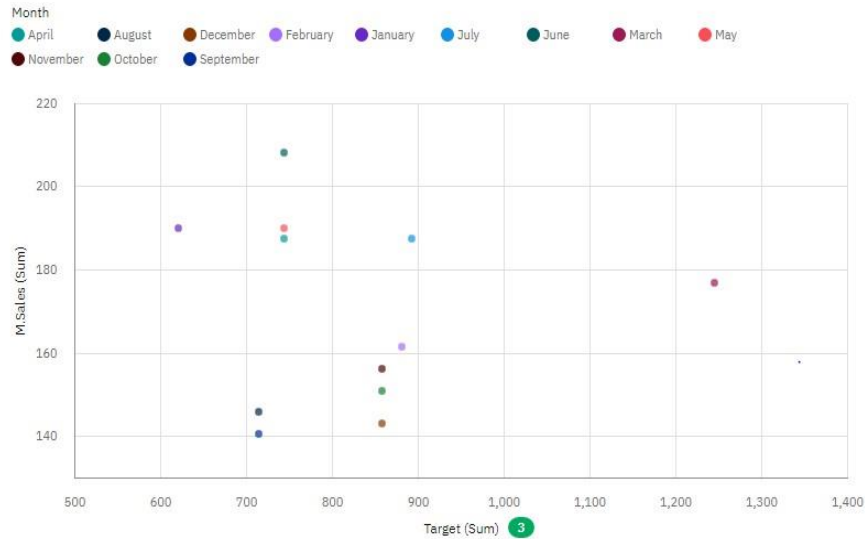
**M.Sales** is unusually high when **L.Sales** is 1.84, 0.84 and 1.68.

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.

Across all values of **L.Sales** and **Month**, the sum of **M.Sales** is over two thousand.

The summed values of **M.Sales** range from 0.792 to 22.1.

Target by M.Sales colored by Month 5



## Details

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

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

The most common values of **Month** are June (9.1 %), May (9.1 %), March (9.1 %), July (9.1 %), and February (9.1 %), together occurring 250 times, which is 45.5 % of the total.

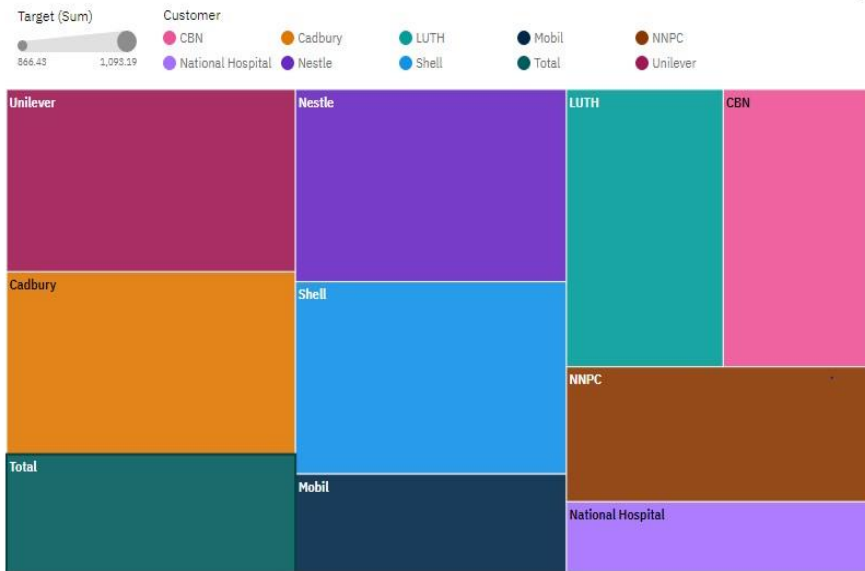
**M.Sales** ranges from 140.6, in September, to 208.3, in June.

**L.Sales** ranges from 96.2, in October, to 143, in January.

There is no reliable relationship between **M.Sales** and **Target**.

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

Target for Customer hierarchy 3



## Details

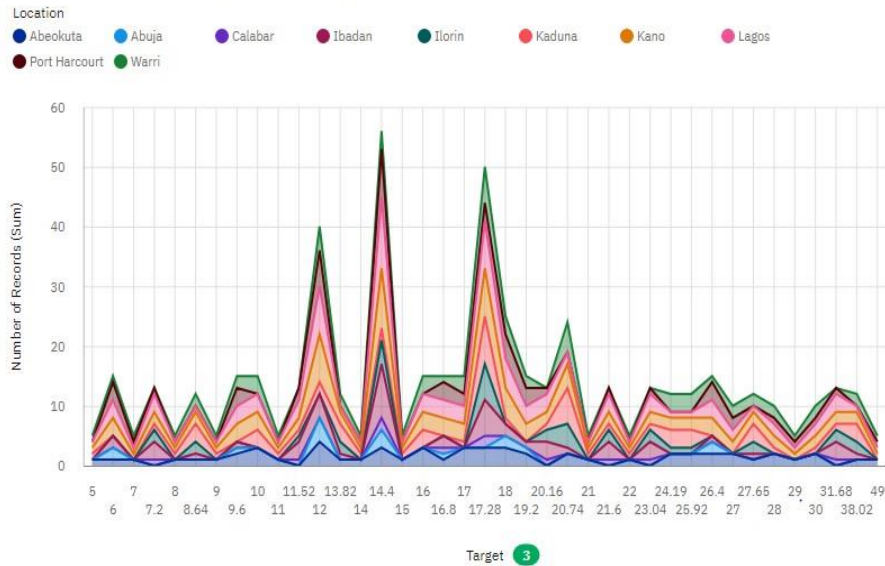
Over all **customers**, the sum of **Target** is nearly ten thousand.

For **Target**, the most significant values of **Customer** are Unilever, Cadbury, Total, Shell, and Nestle, whose respective **Target** values add up to nearly 5500, or 55.1 % of the total.

**Target** ranges from 866.4, when **Customer** is NNPC, to over a thousand, when **Customer** is Unilever.



Number of Records by Target colored by Location



## Details

Over all **targets** and **locations**, the sum of **Number of Records** is 550.

For **Number of Records**, the most significant values of **Target** are 14.4, 17.28, and 12, whose respective **Number of Records** values add up to 146, or 26.5 % of the total.

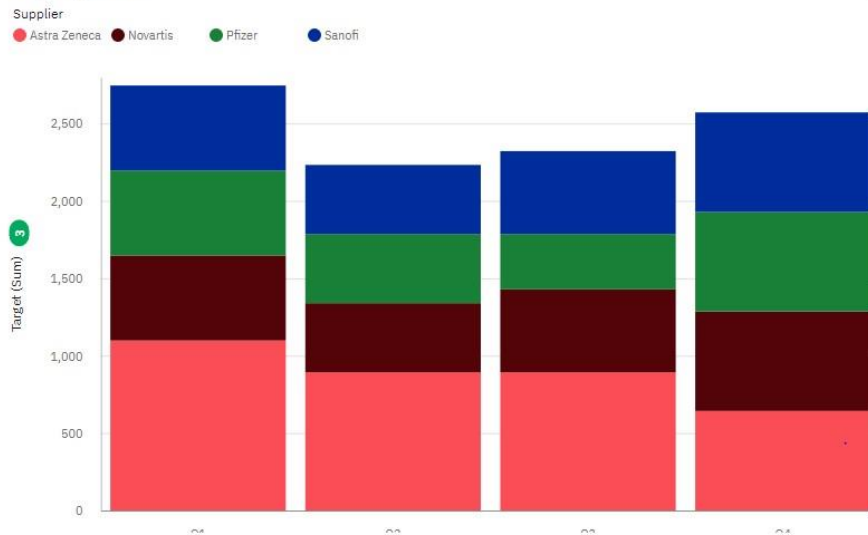
For **Number of Records**, the most significant values of **Location** are Kano and Lagos, whose respective **Number of Records** values add up to 200, or 36.4 % of the total.

The summed values of **Number of Records** range from 1 to 12.

**Number of Records** is unusually high when the combinations of **Target** and **Location** are 14.4 and Lagos, 14.4 and Kano, 14.4 and Ibadan, 12 and Kano, 12 and Lagos and more.

**Number of Records** is unusually high when

Target by Period



## Details

Over all **periods** and **suppliers**, the sum of **Target** is nearly ten thousand.

For **Target**, the most significant values of **Period** are Q1 and Q4, whose respective **Target** values add up to nearly 5500, or 53.9 % of the total.

For **Target**, the most significant value of **Supplier** is Astra Zeneca, whose respective **Target** values add up to over 3500, or 35.7 % of the total.

The summed values of **Target** range from 357.1 to over a thousand.

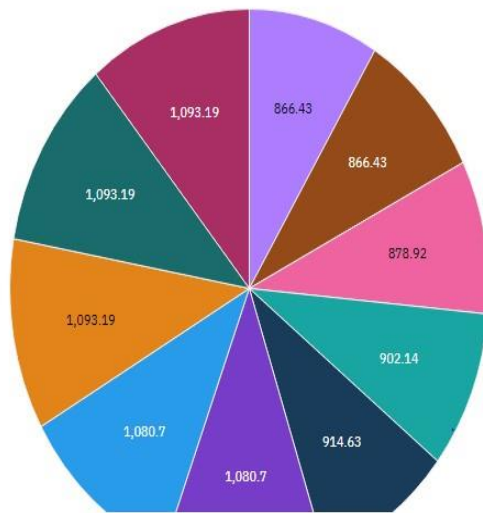
**Target** is unusually high when the combination of **Period** and **Supplier** is Q1 and Astra Zeneca.

**Target** is unusually high when **Supplier** is Astra Zeneca.

### Target by Customer 3

Customer

National Hospital NNPC CBN LUTH Mobil Nestle Shell  
Cadbury Total Unilever



### Details

Over all **customers**, the sum of **Target** is nearly ten thousand.

For **Target**, the most significant values of **Customer** are Unilever, Cadbury, Total, Shell, and Nestle, whose respective **Target** values add up to nearly 5500, or 55.1 % of the total.

**Target** ranges from 866.4, when **Customer** is National Hospital, to over a thousand, when **Customer** is Unilever.

### Target

Tree sunburst

Tree diagram

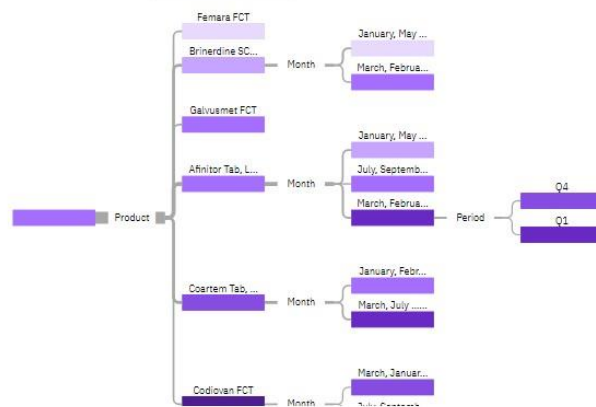
Rules

Target



Nodes

All



### Details

**Product**, **Month**, and **Period** predict **Target** with a strength of 65.9%.

**Product** is the most significant predictor of **Target** being two times better than any other field.

### Number of Records, Target, Location

Location

Abeokuta Abuja Calabar Ibadan Ilorin Kaduna Kano Lagos  
Port Harcourt Warri

