

Pharma Sales Dashboard

ASSIGNMENT 2

LINK OF EXPLORATION:

https://us3.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2FPharmacyExploration&subView=model00000183700fe6ba_000000004

LINK OF CLEANED DATA AND DATA MODULE:

https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FPharmacyCleanedData

I. Cleaning the Pharma Sales Data

Edit calculation ×

Name C.Sales

Components

- Operators
- Summaries
- Statistical functions
 - aggregate
 - average
 - count
 - maximum
 - median
 - minimum
 - moving-average
 - moving-total

Expression

```
1 IF ( C_Sales = 0 ) THEN ( median( C_Sales ) ) ELSE ( C_Sales )
```

Information

median (expression [auto])
median (expression for [all | any] expression { , expression })
median (expression for report)

Returns the median value of selected data items.

Replacing the 0s in C_Sales column with median of C_Sales

Before Cleaning:

Data module

+ ?

Grid

Relationships

Custom tables

Q Search

abc Location

abc Sales Rep

abc Supplier

abc Warehous...cations

Actual

C.Sales

Inventory Stock

L.Sales

M.Sales

Number of Records

Received Inventory

Rep.Sales

Target

Warehouse Locations

Actual

C.Sales

Inventory Stock

L.Sales

M.Sales

Amuwo

9.6

2

1200

1.89

4.224

Amuwo

9.6

0

480

1.89

4.224

Amuwo

17.6

3

1320

3.51

7.744

Amuwo

20.9

3

960

4.14

9.196

Amuwo

4.5

0

600

0.9

1.98

Amuwo

11.1

2

240

2.16

4.884

Amuwo

10.56

3

240

2.07

4.644

Amuwo

11.25

1

480

2.25

4.95

Amuwo

9.5

2

840

1.89

4.18

Amuwo

13.72

3

600

2.7

6.036

After Cleaning:

Data module

+

Q Search

abc Location

abc Sales Rep

abc Supplier

abc Warehous...cations

Actual

C.Sales

Inventory Stock

L.Sales

M.Sales

Number of Records

Received Inventory

Rep.Sales

Target

Grid

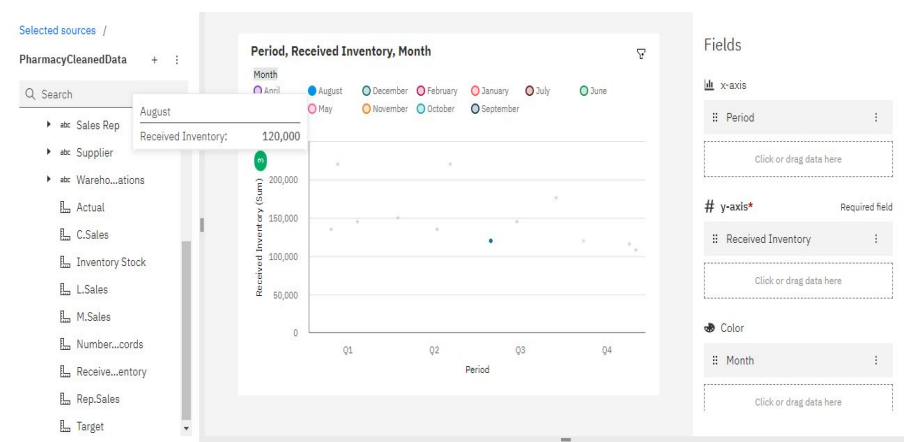
Relationships

Custom tables

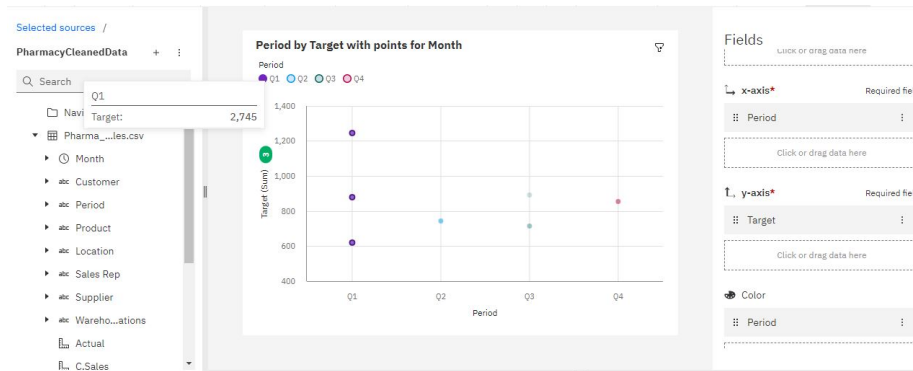
	Warehouse Locations	Actual	C.Sales	Inventory Stock	L.Sales	
1	ieca	Amuwo	9.6	2	1200	1.89
2	ieca	Amuwo	9.6	2	480	1.89
3	ieca	Amuwo	17.6	3	1320	3.51
4	ieca	Amuwo	20.9	3	960	4.14
5	ieca	Amuwo	4.5	2	600	0.9
6	ieca	Amuwo	11.1	2	240	2.16
7	ieca	Amuwo	10.56	3	240	2.07
8	ieca	Amuwo	11.25	1	480	2.25
9	ieca	Amuwo	9.5	2	840	1.89
10	ieca	Amuwo	13.72	3	600	2.7

II. Exploring the Data

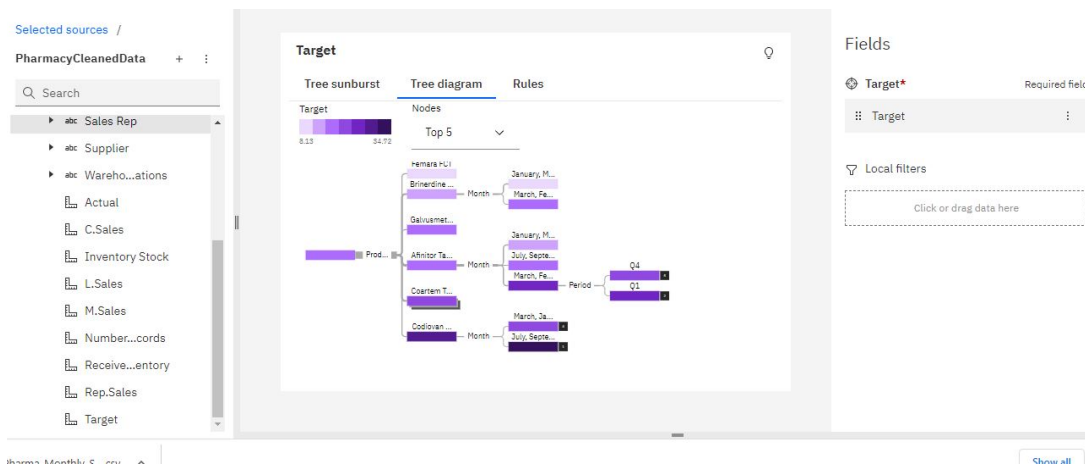
Box-Plot



Scatter Diagram



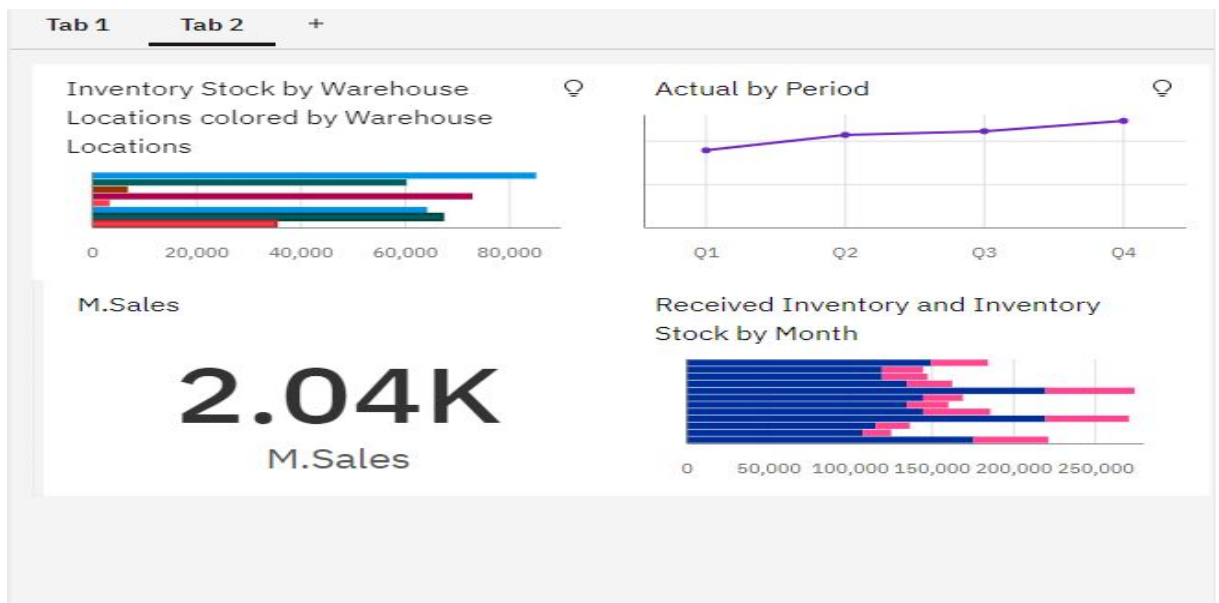
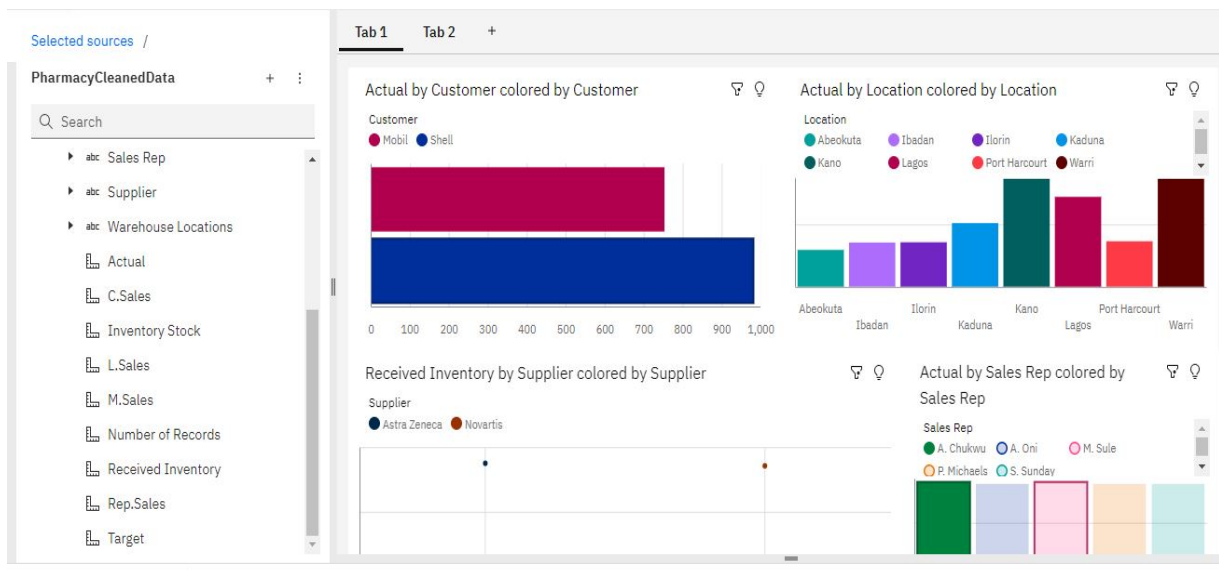
Decision Tree



Interactive Dashboard

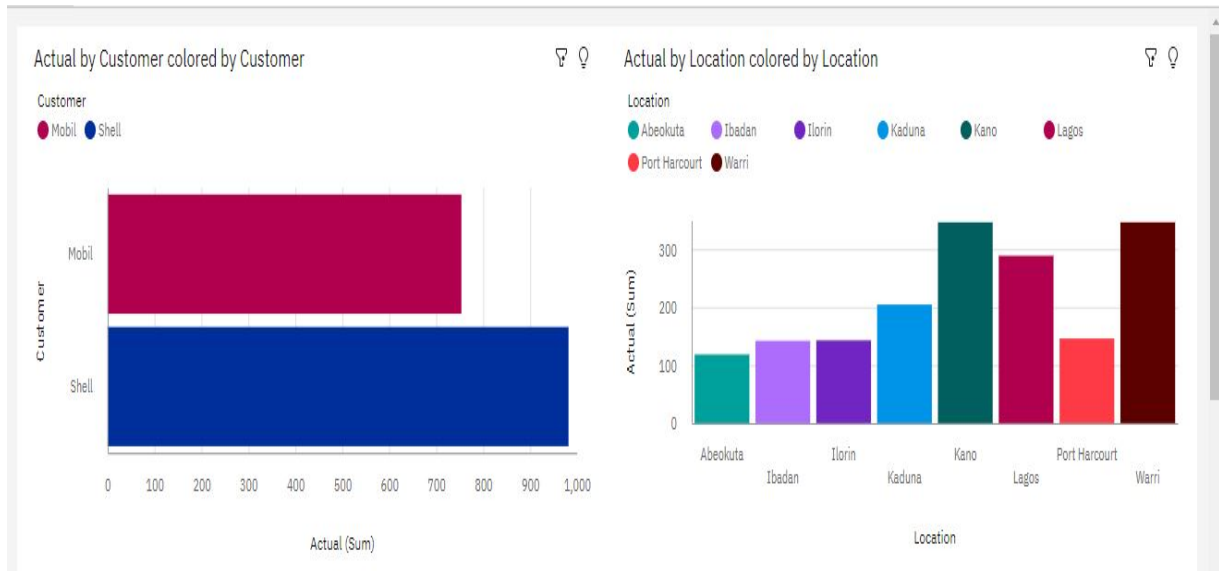
Link to Dashboard:

https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FPharmaDashboard&action=view&mode=dashboard&subView=model00000183704a2f2f_00000000



Visualization 1: Sales by Customer (Bar graph)

Visualization 2: Sales by Location (Column graph)



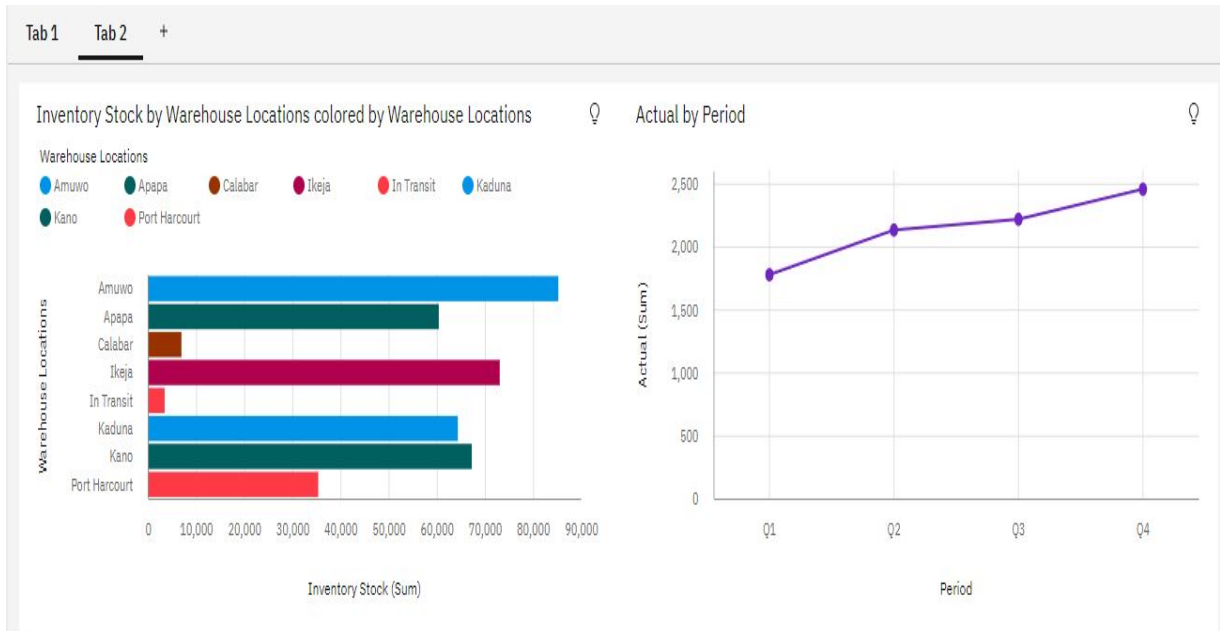
Visualization 3: Received Inventory from Supplier (Line graph)

Visualization 4: Sales by Sales Representative (Column graph)



Visualization 5: Inventory Stock for Warehouse locations (Stacked Bar)

Visualization 6: Sales Trend (Line graph)



Visualization 5: Monthly Sales (Summary)

Visualization 6: Actual and Received Inventory by Month (Stacked Bar)

