

ASSIGNMENT-2

PHARMA SALES DASHBOARD

Data Cleaning:(Before)

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various data sources, with 'C.Sales' selected. The main area displays a table with the following data:

Warehouse Locations	Actual	C.Sales
Amuwo	9.6	2
Amuwo	9.6	2
Amuwo	17.6	3
Amuwo	20.9	3
Amuwo	4.5	2
Amuwo	11.1	2
Amuwo	10.56	3
Amuwo	11.25	1
Amuwo	9.5	2
Amuwo	13.72	3
Kano	9.6	2

On the right, the 'Properties' pane for 'C.Sales' is shown, with the following details:

- Label: C.Sales
- Hide from users: ☐
- Expression: [View or edit >](#)
- Usage: Measure
- Aggregate: Total
- Data type: Integer
- Represents: Default
- Lookup reference: None
- Description:

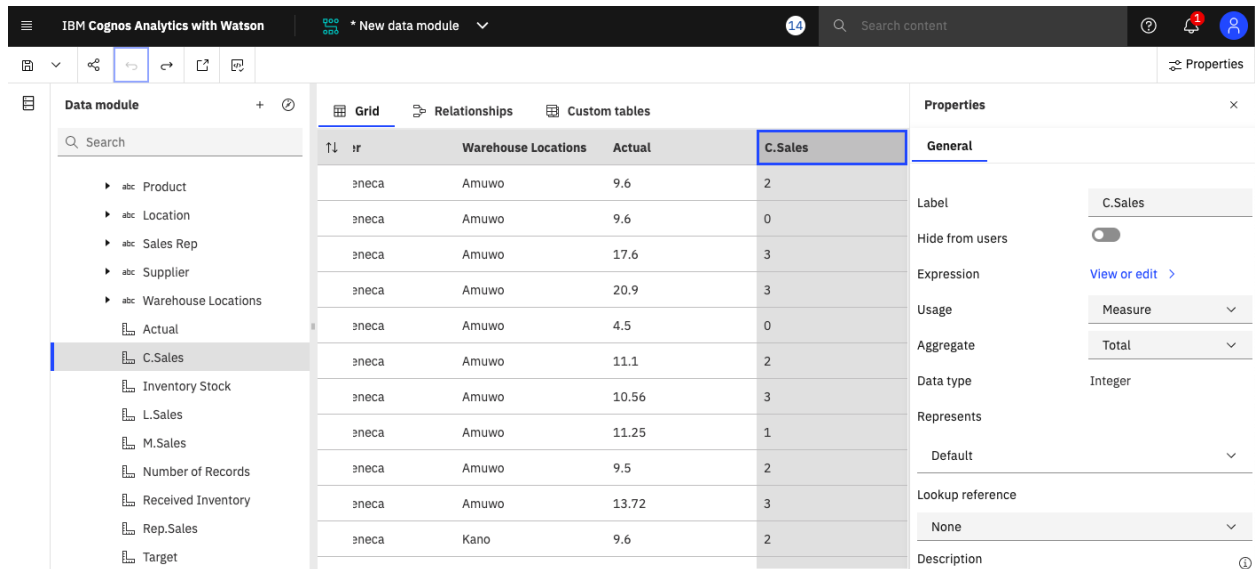
Data Cleaning:(Expression)

The screenshot shows the 'Edit calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'C.Sales'. The 'Expression' field contains the following code:

```
1 IF ( C.Sales=0 ) THEN (median(C.Sales)) ELSE (C.Sales )
2
3
```

The 'Components' pane on the left lists the data sources available for the calculation, including 'Pharma_Mon...Sales.csv', 'Row Id', 'Month', 'Customer', 'Period', 'Product', 'Location', 'Sales Rep', 'Supplier', 'Warehou...ations', 'Actual', 'C.Sales', 'Inventory Stock', and 'L.Sales'. The 'Information' pane at the bottom is empty.

Data Cleaning:(After)

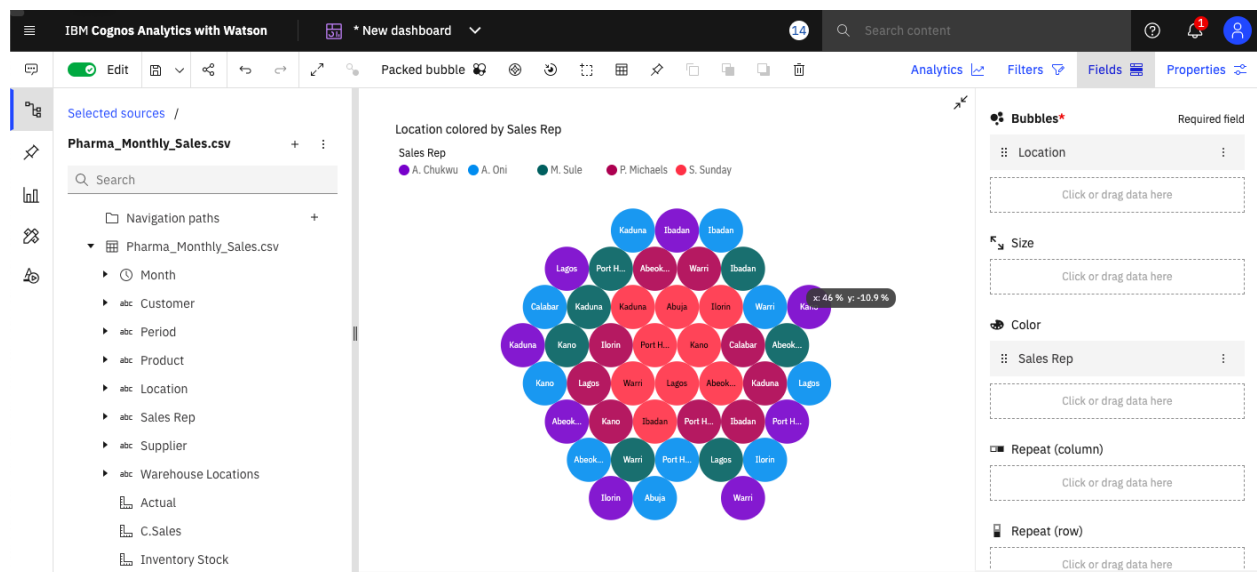


Warehouse Locations	Actual	C.Sales
Amuwo	9.6	2
Amuwo	9.6	0
Amuwo	17.6	3
Amuwo	20.9	3
Amuwo	4.5	0
Amuwo	11.1	2
Amuwo	10.56	3
Amuwo	11.25	1
Amuwo	9.5	2
Amuwo	13.72	3
Kano	9.6	2

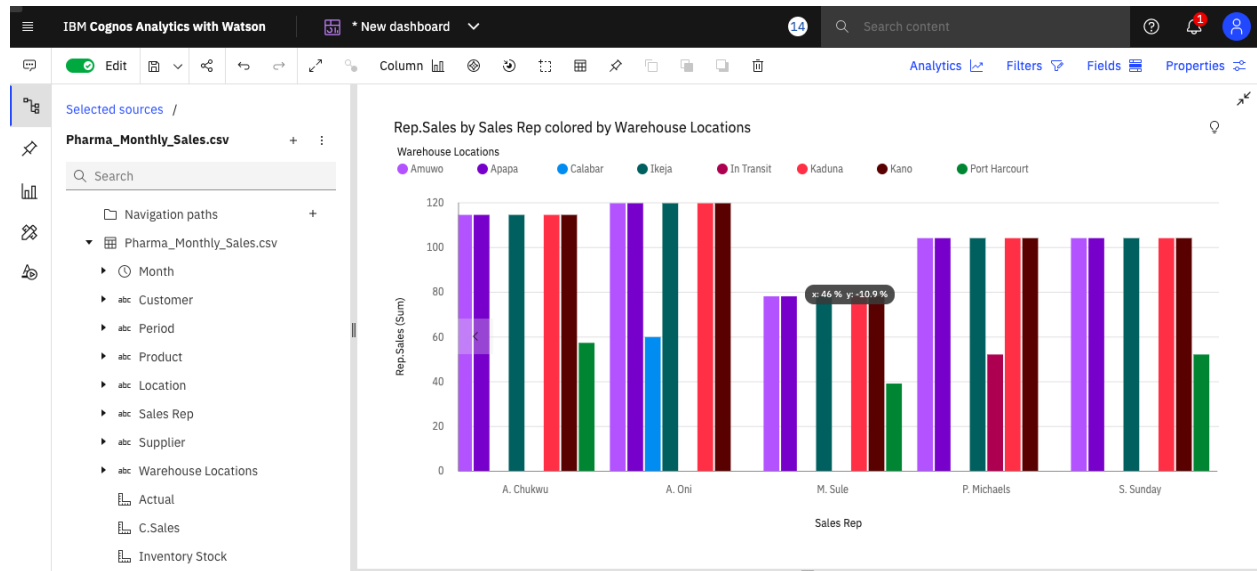
Data cleaning link:

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FPharma%2BSales%2BData%2BCleaning

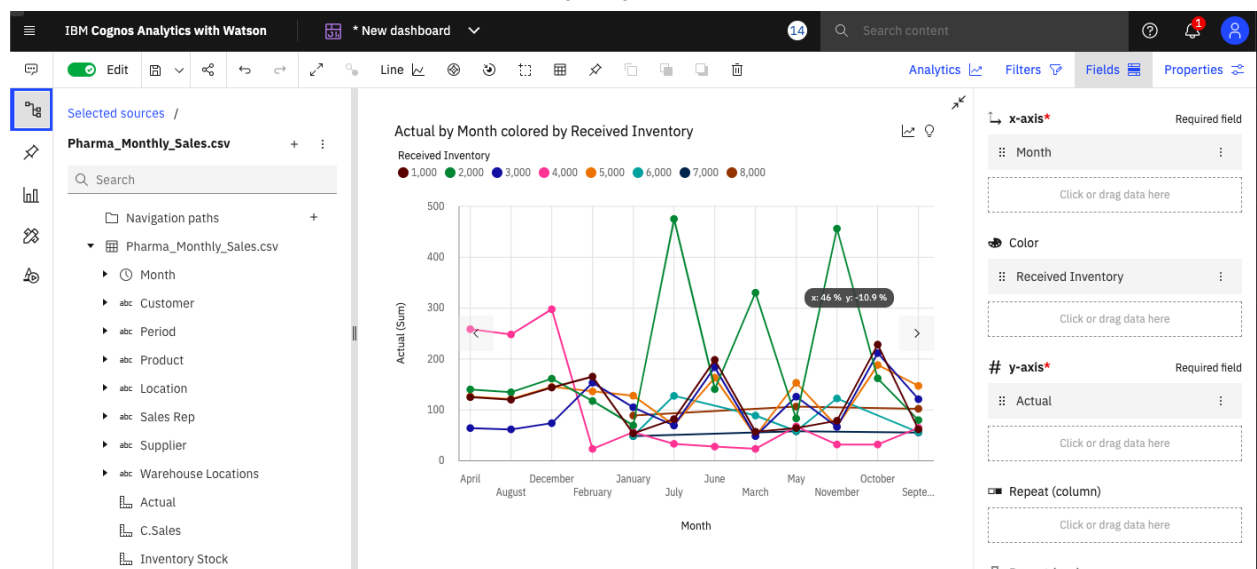
Data Visualization: Sales by location



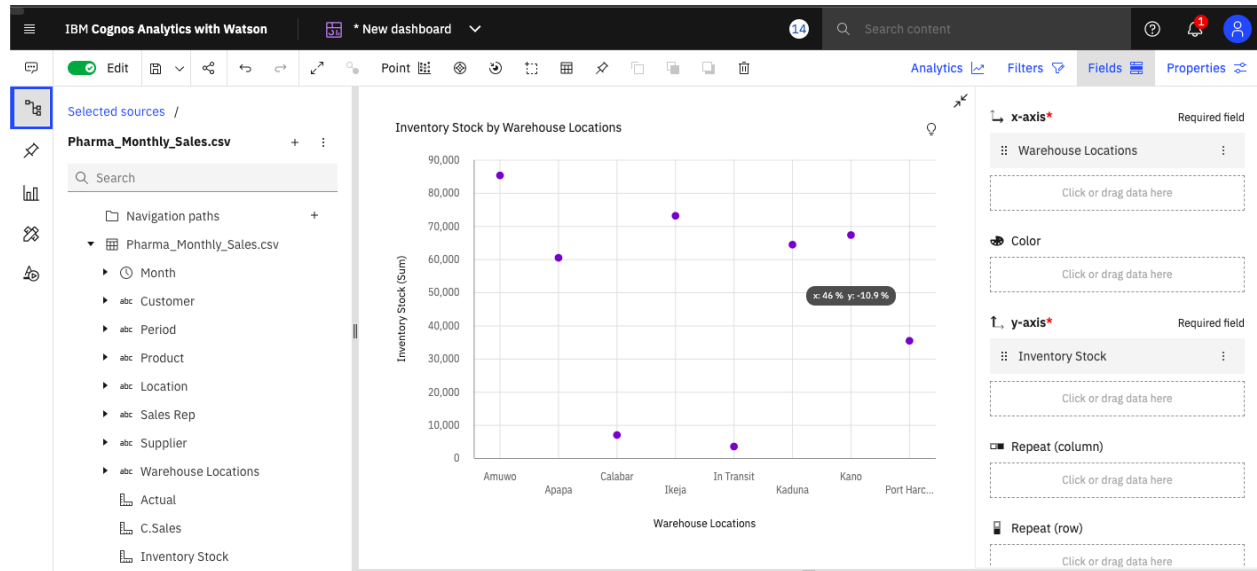
Data Visualization: Sales By Sales Representative.



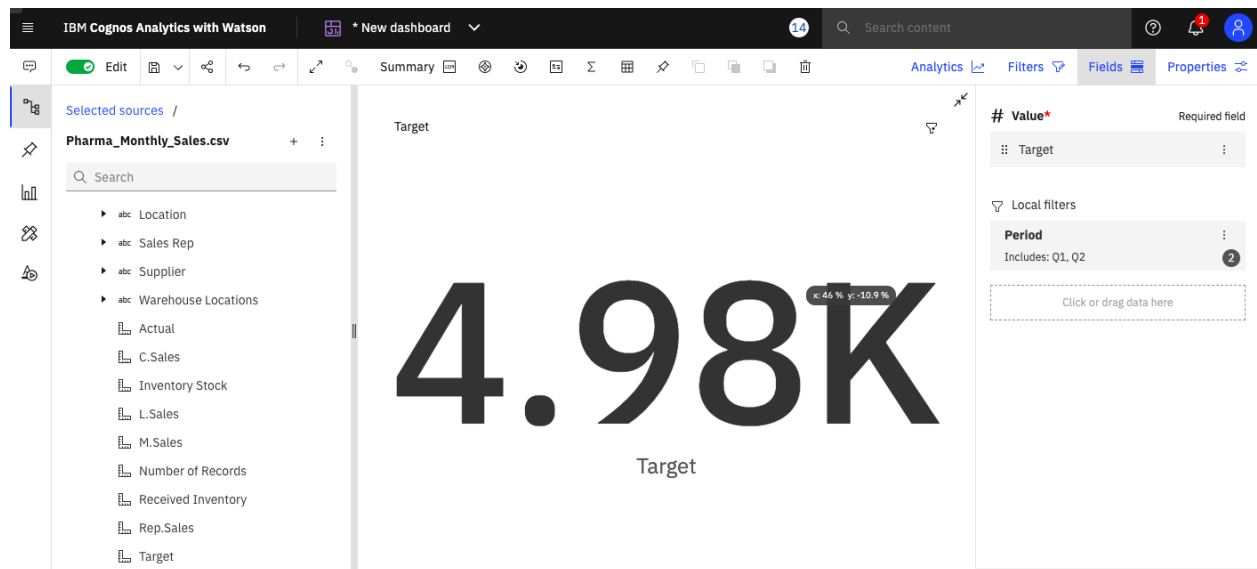
Data Visualization: Actual and Received Inventory by Month



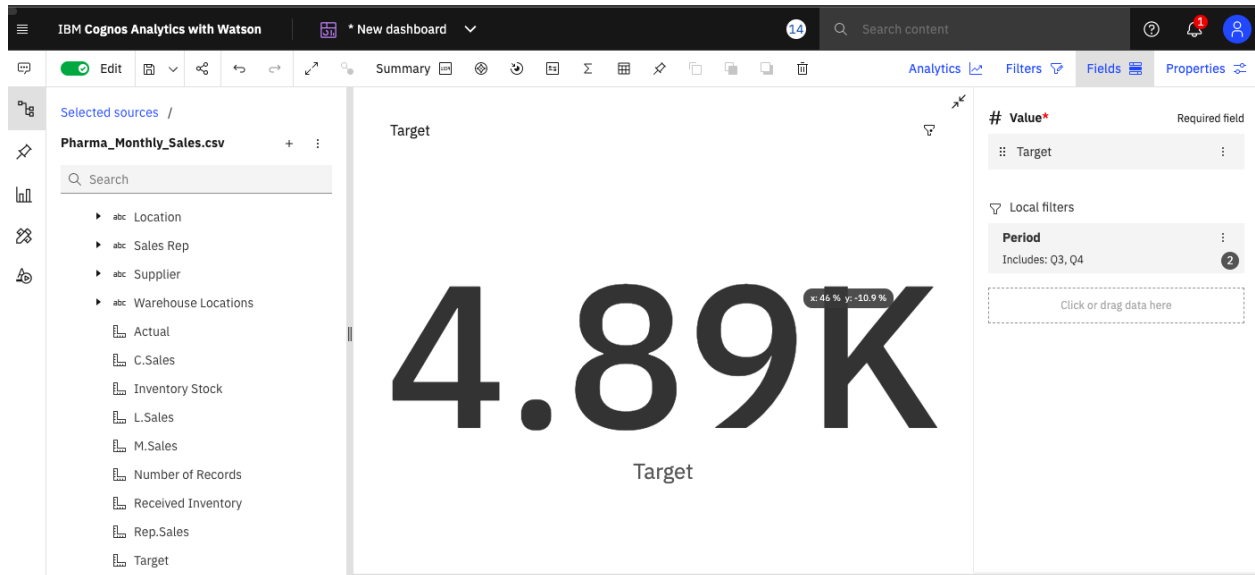
Data Visualization: Inventory Stock for Warehouse Locations



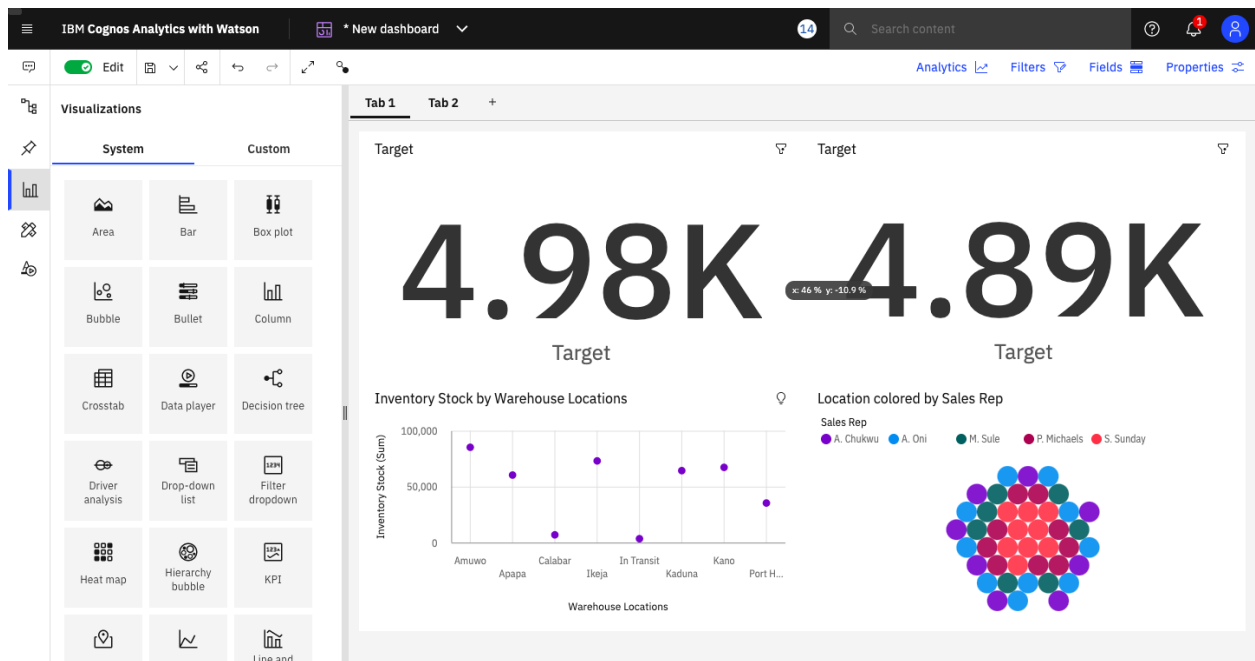
Data Visualization: Summary of Targets(Period Q1&Q2)



Data Visualization: Summary of Targets(Period Q3&Q4)



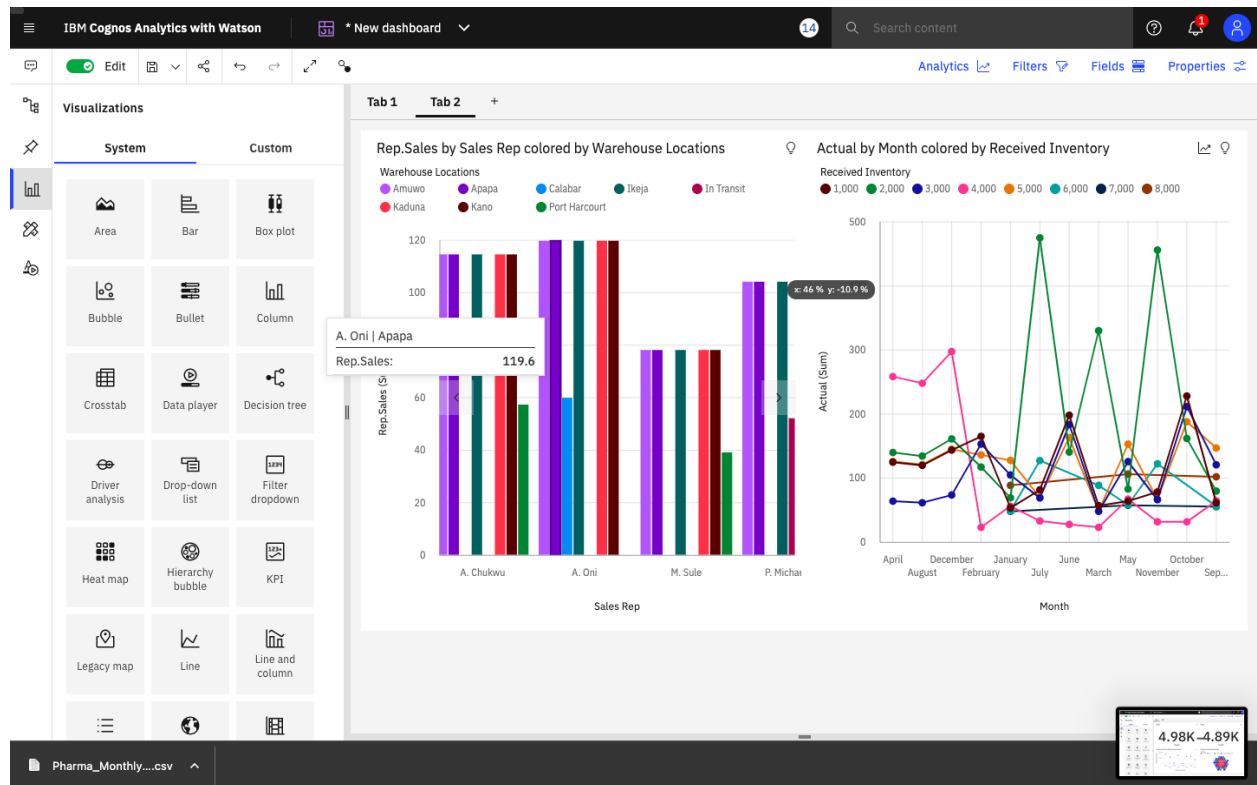
Interactive Dashboard:(Tab1)



Interactive Dashboard link:

https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837aad6459_00000000

Interactive Dashboard:(Tab2)



Interactive Dashboard link:

https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837ac062c3_00000000