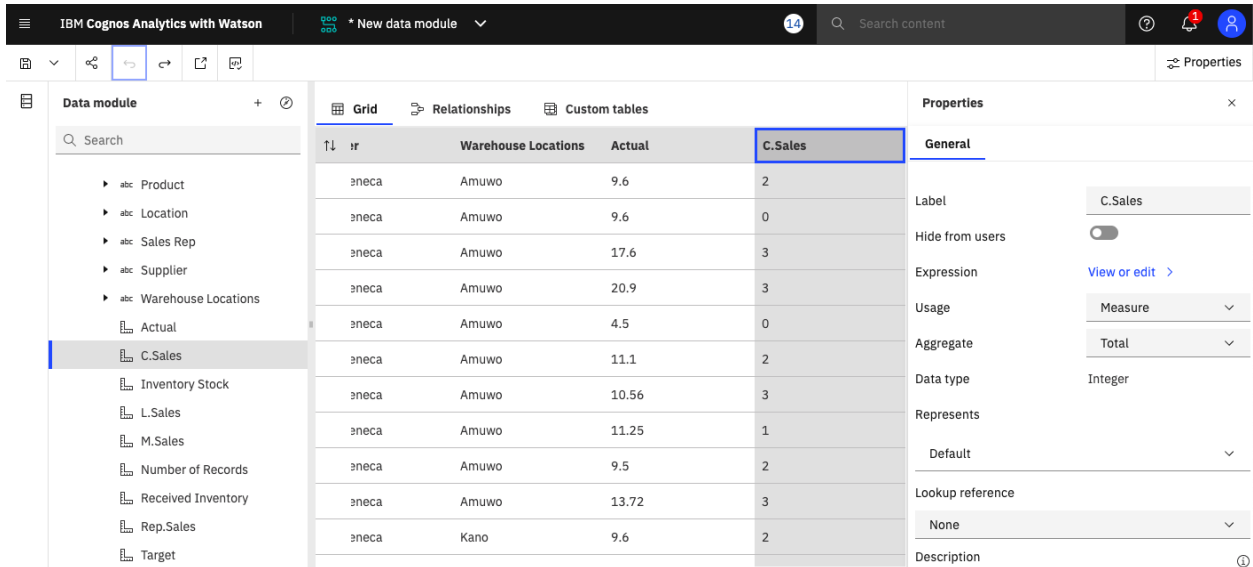


# ASSIGNMENT-2

## PHARMA SALES DASHBOARD

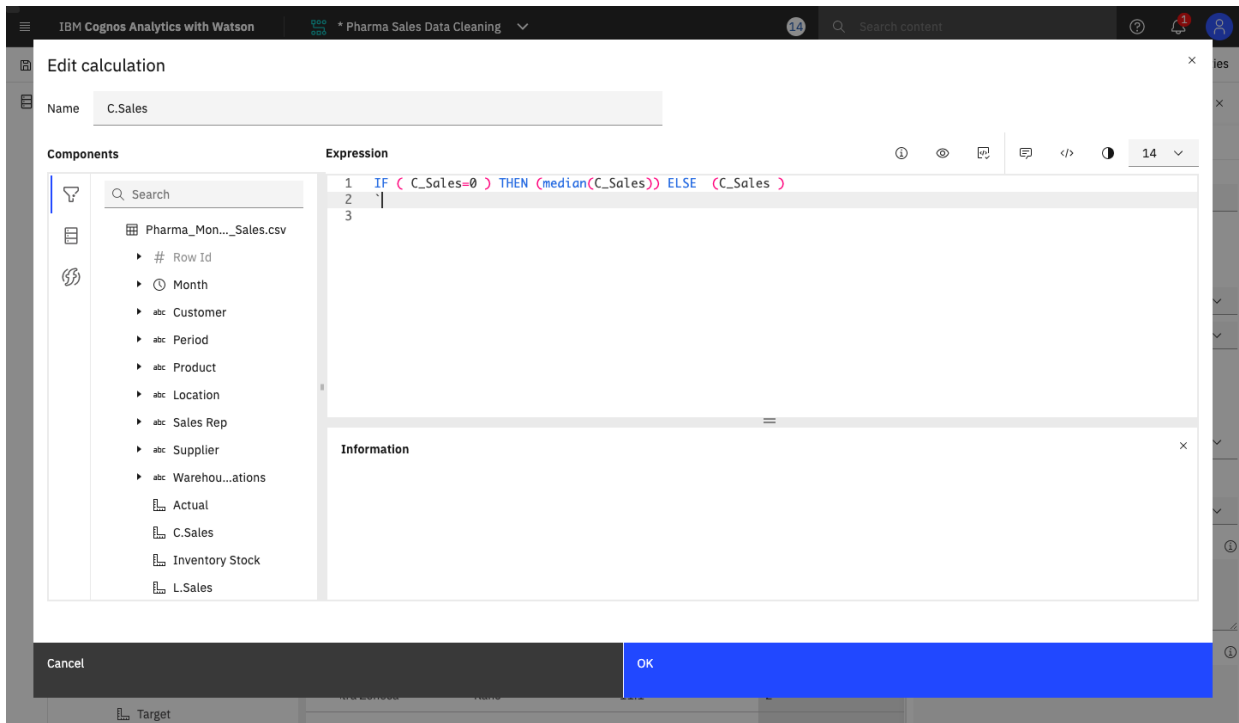
### Data Cleaning:(Before)



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 grid displays sales data with columns for Warehouse Locations, Actual, and C.Sales. The 'C.Sales' column is highlighted. On the right, the 'Properties' panel for 'C.Sales' is open, showing settings like Label, Hide from users, Expression, Usage, Aggregate, Data type, Represents, Default, Lookup reference, and Description.

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

### 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 various data sources, including 'Pharma\_Mon...\_Sales.csv'. The 'Information' pane at the bottom is empty.

## Data Cleaning:(After)

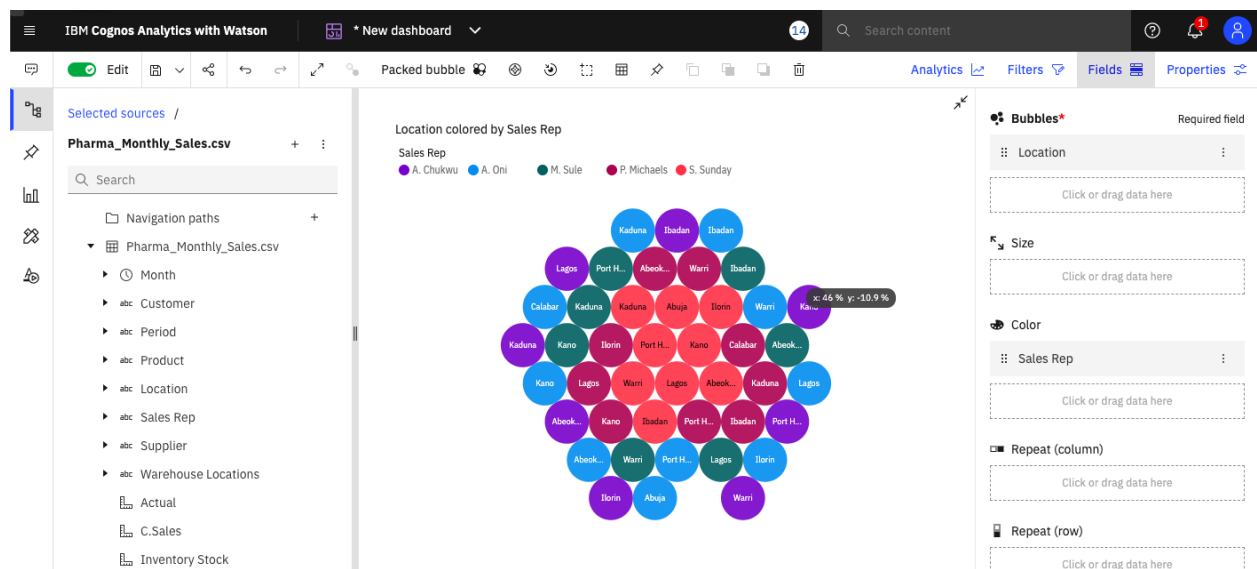
The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various data sources, with 'C.Sales' selected. The main area displays a table with columns: Warehouse Locations, Actual, and C.Sales. The table contains 10 rows of data. On the right, the 'Properties' pane shows the 'General' tab for the 'C.Sales' measure, with settings for Label, Hide from users, Expression, Usage, Aggregate, Data type, Represents, Default, Lookup reference, and Description.

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

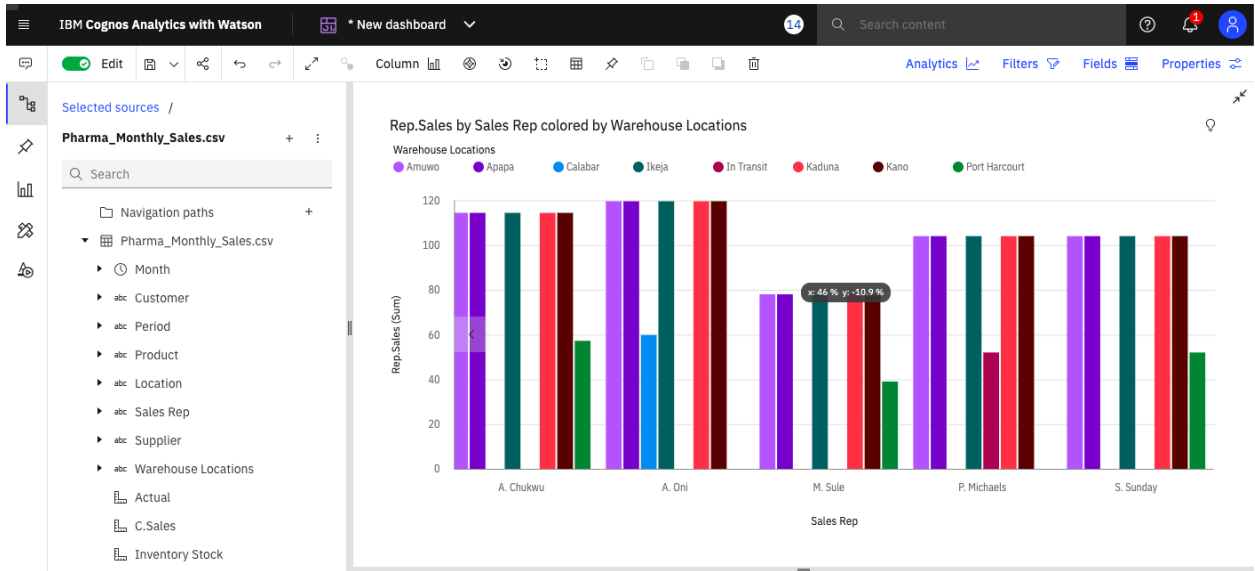
Data cleaning link:

[https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my\\_folders%2FPharma%2BSales%2BData%2BCleaning](https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FPharma%2BSales%2BData%2BCleaning)

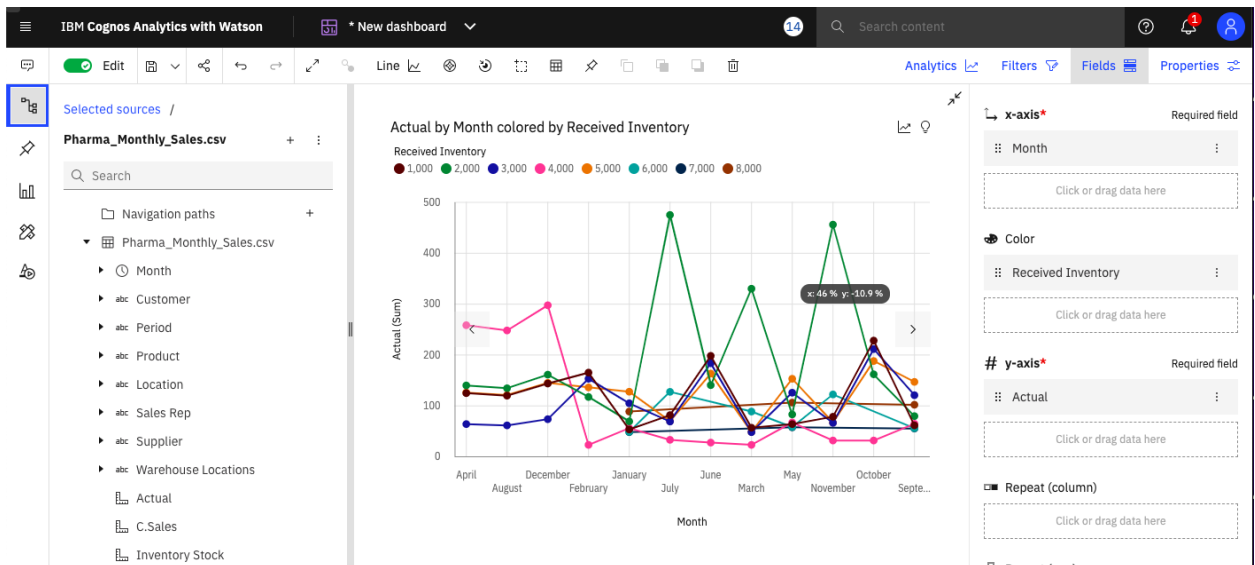
## Data Visualization: Sales by location



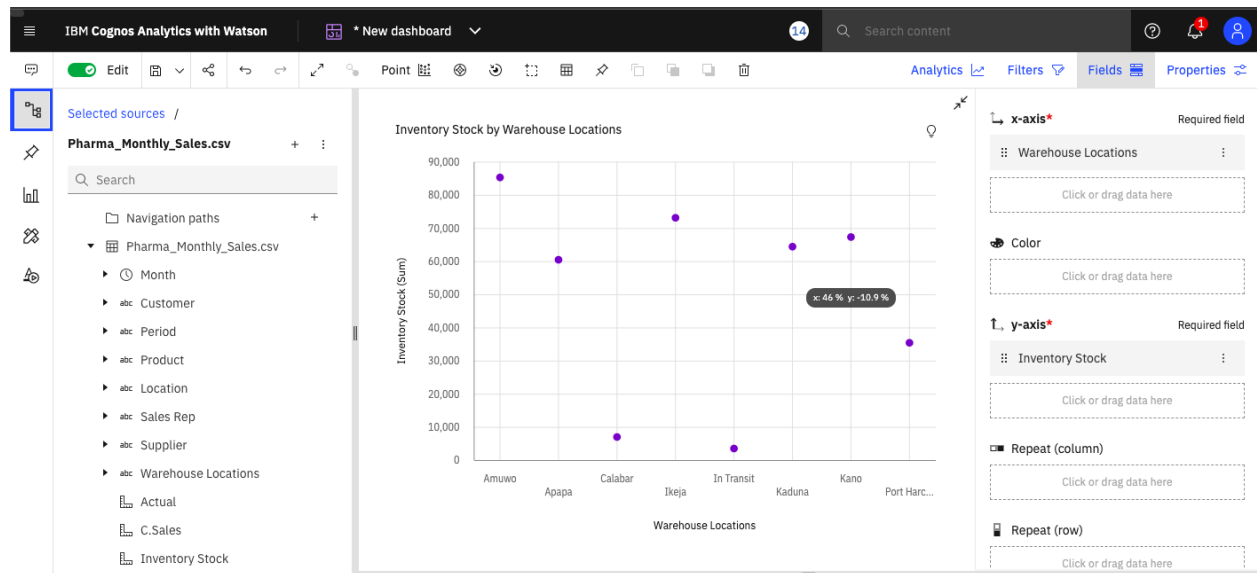
Data Visualization:  
Sales By Sales Representative.



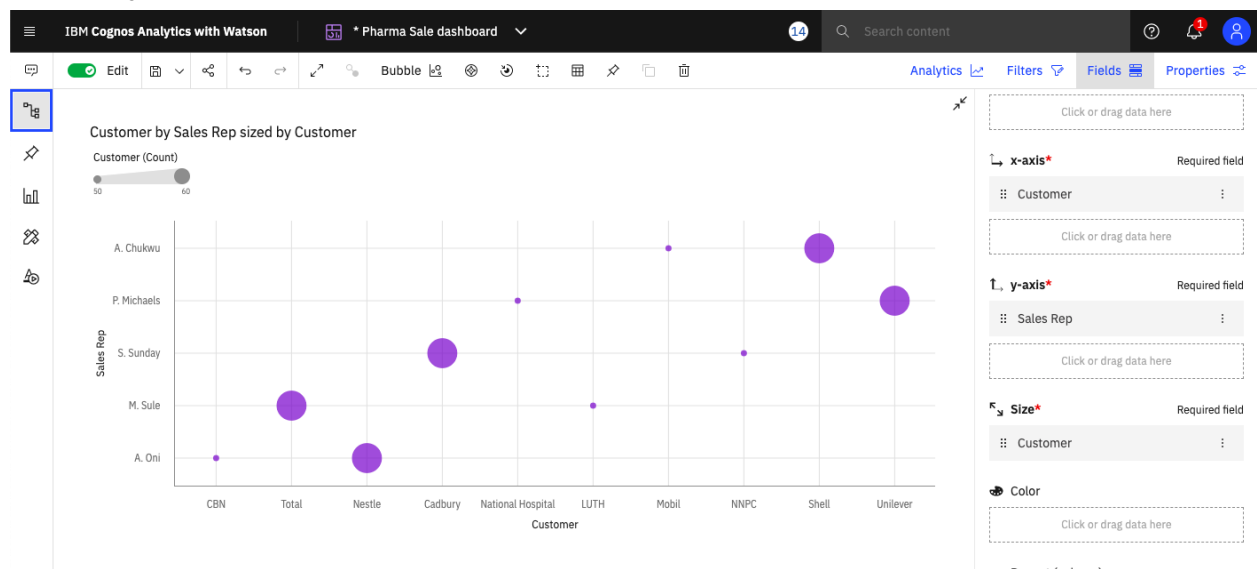
### Data Visualization: Actual and Received Inventory by Month



# Data Visualization: Inventory Stock for Warehouse Locations



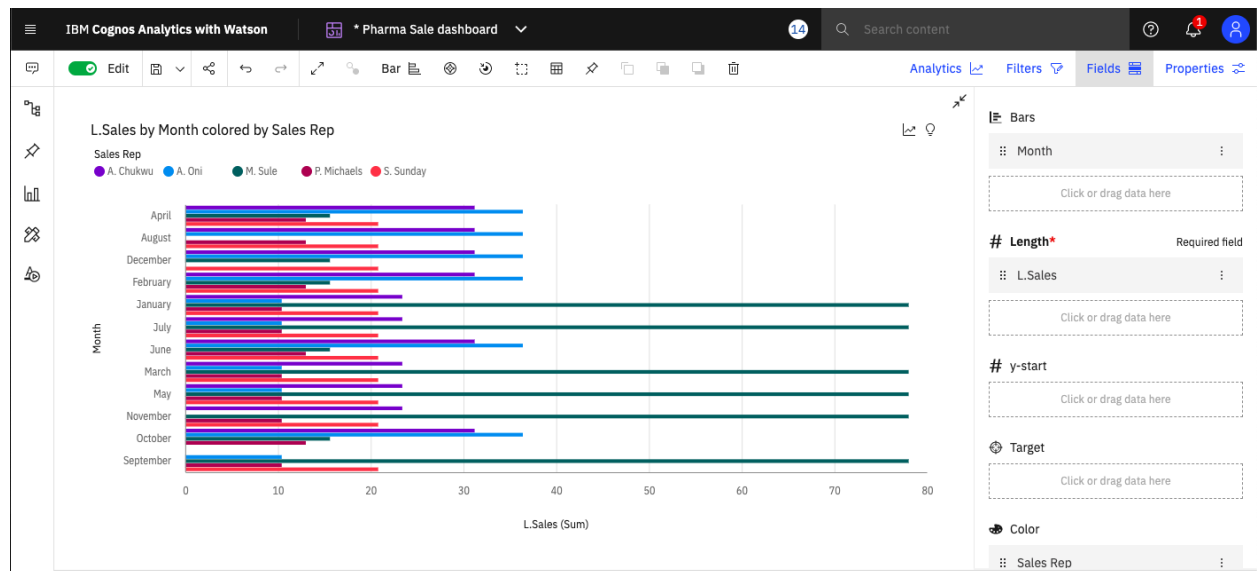
# Data Visualization: Sale by Customer



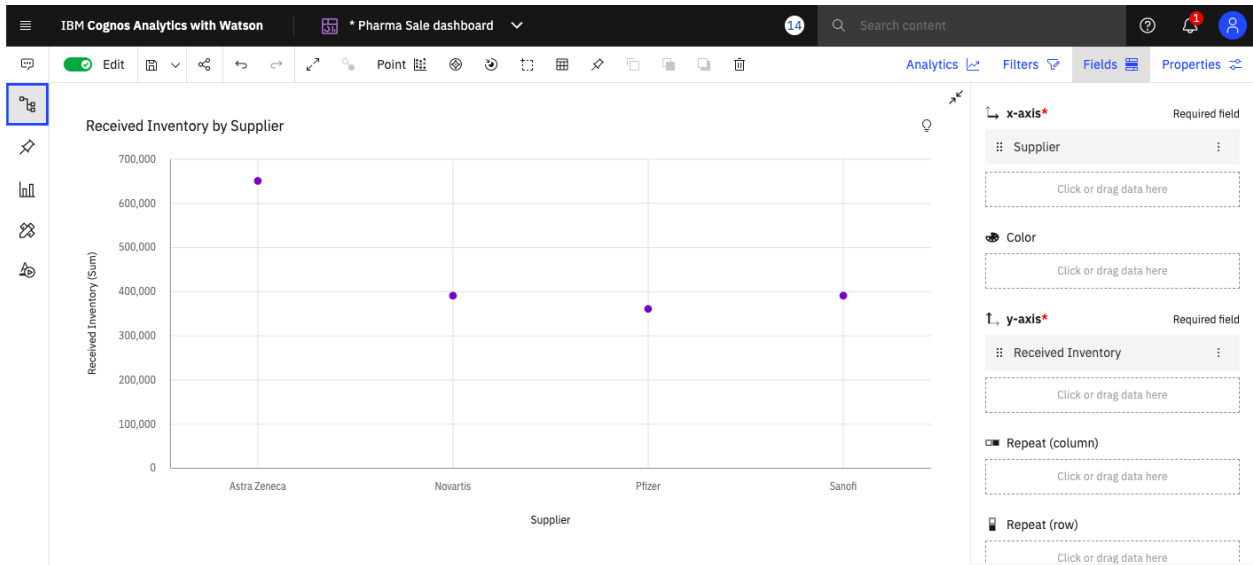
## Data Visualization: Sales trend



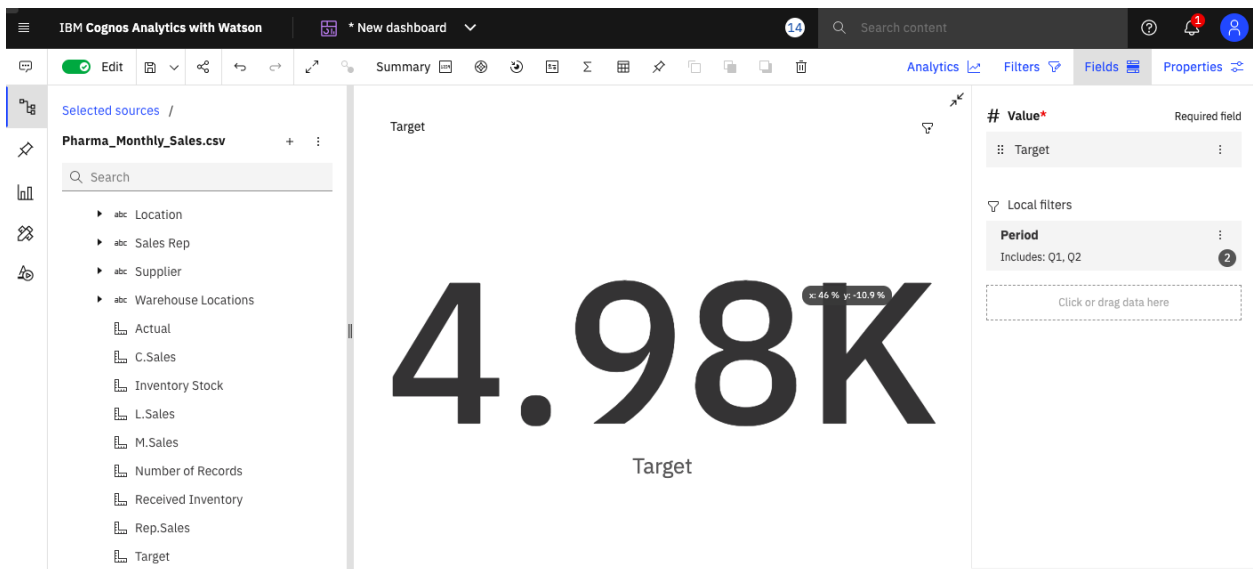
## Data Visualization: Monthly Sales



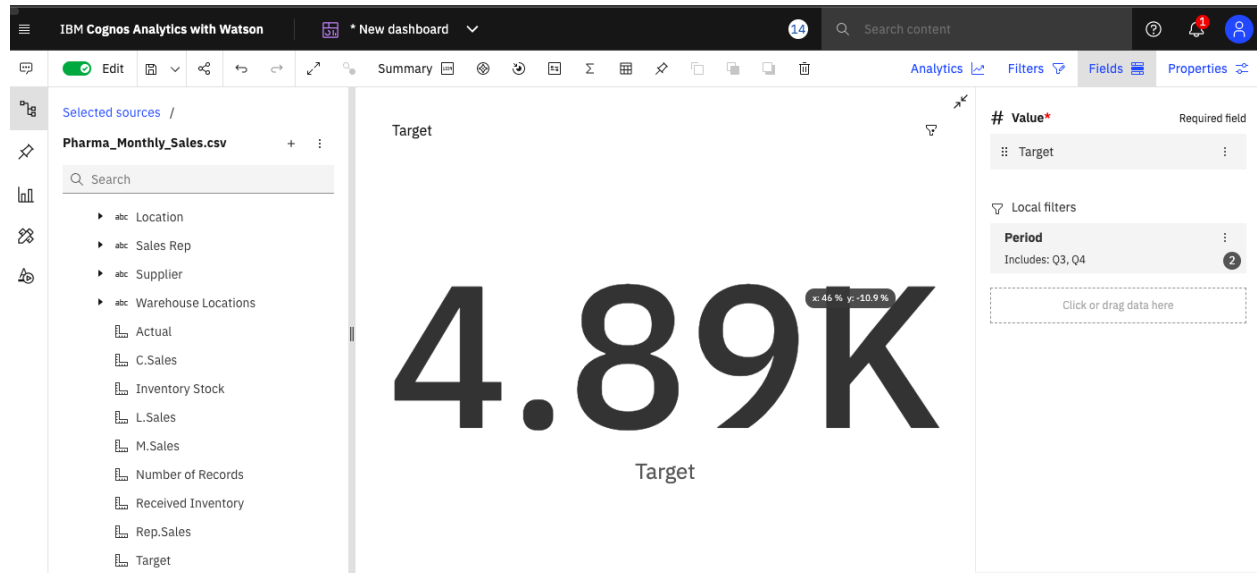
## Data Visualization: Received Inventory from supplier



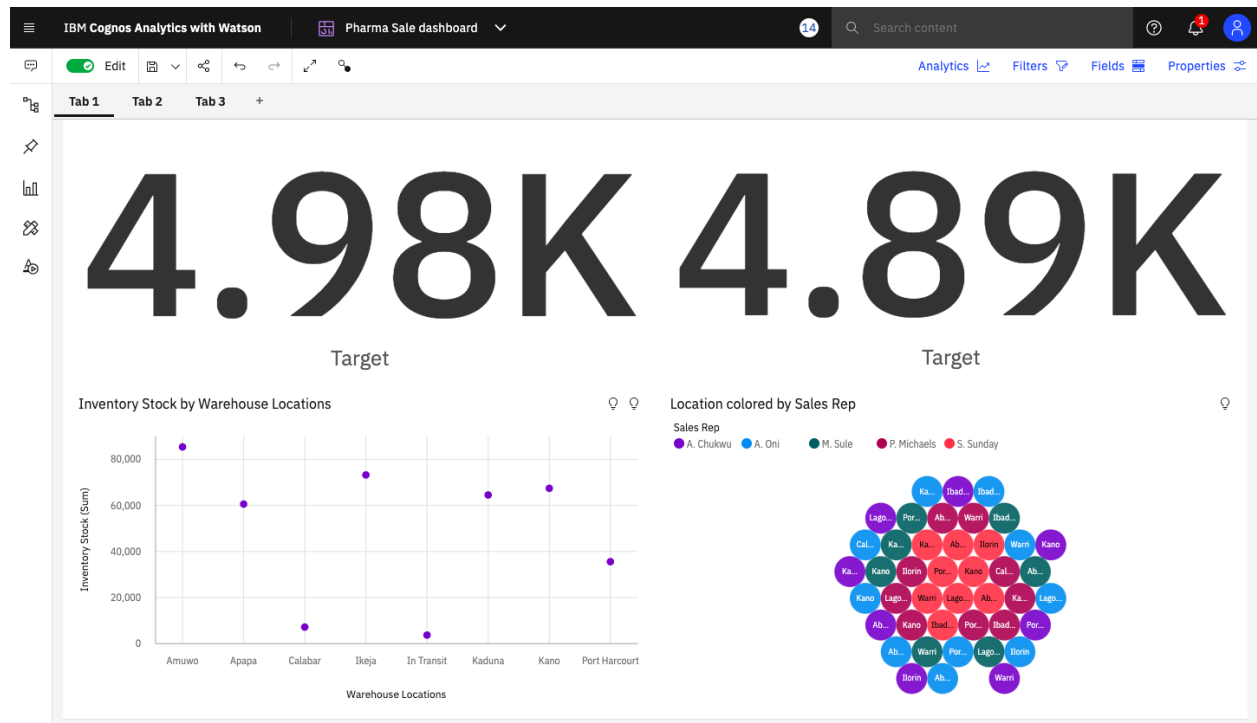
## Data Visualization: Summary of Targets(Period Q1&Q2)



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



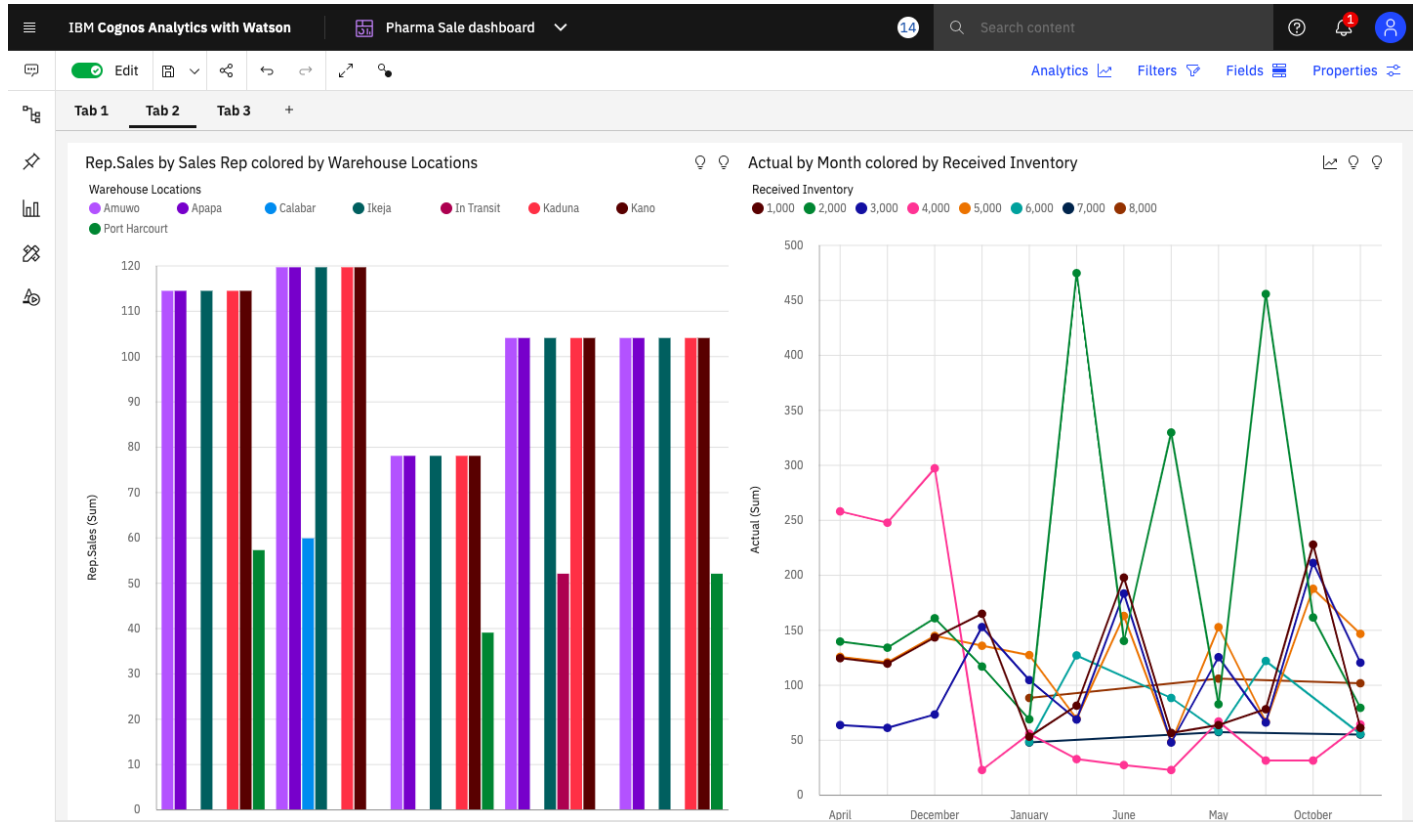
## Interactive Dashboard:(Tab1)



## 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](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)

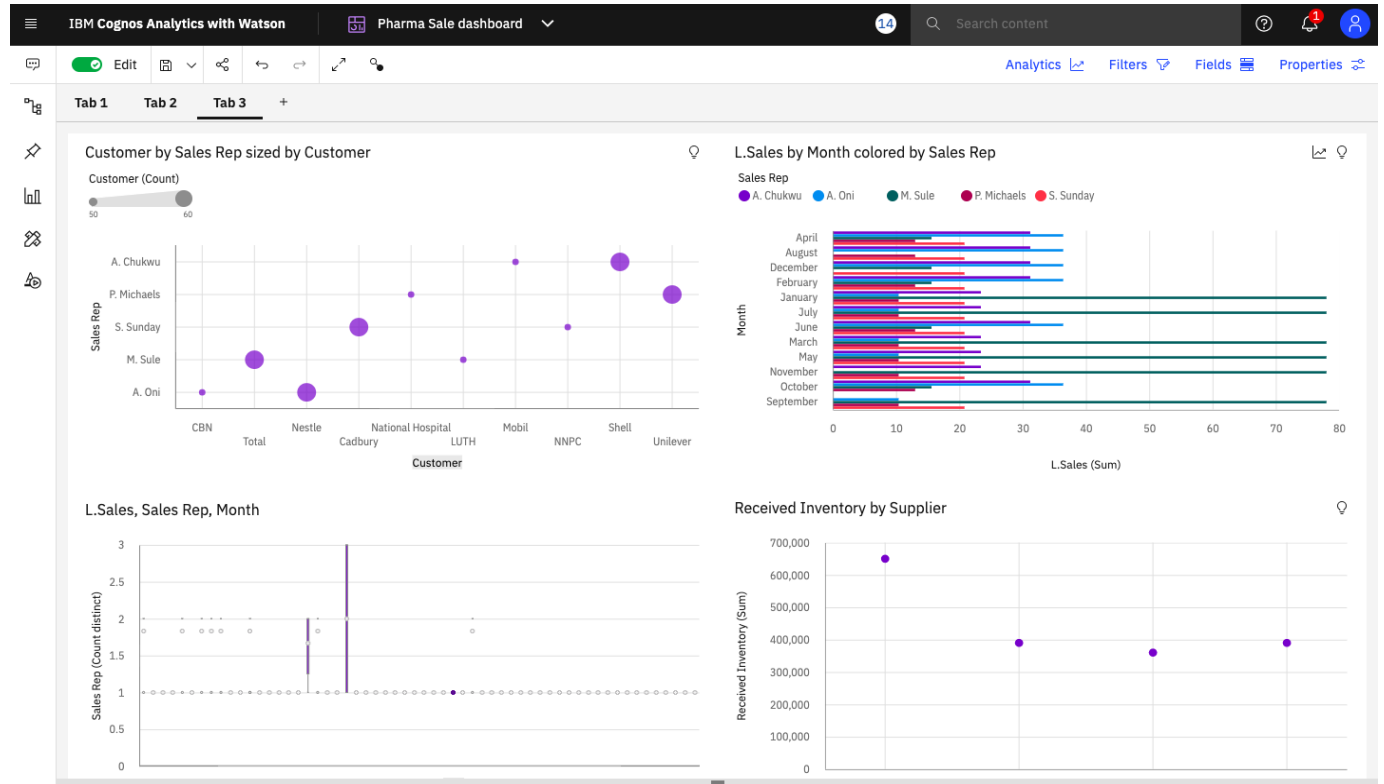


## Interactive Dashboard link:

[https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=my\\_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837ac062c3\\_00000000](https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=my_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837ac062c3_00000000)



## Interactive Dashboard:(Tab3)



## Interactive Dashboard link:

[https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my\\_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837d42f5e6\\_00000000](https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FPharma%2BSale%2Bdashboard&action=view&mode=dashboard&subView=model000001837d42f5e6_00000000)