Assignment -2

DATA ANALYTICS

Assignment Date	25 September 2022
Student Name	Ms.Dhenisha
Student Roll Number	510119104004
Maximum Marks	2 Marks

Question-1:

Download Dataset:- Pharma-Sales-Dataset

Challenge:- 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.

Task 4: Received Inventory From Supplier

Task 5: Inventory Stock for Warehouse Locations

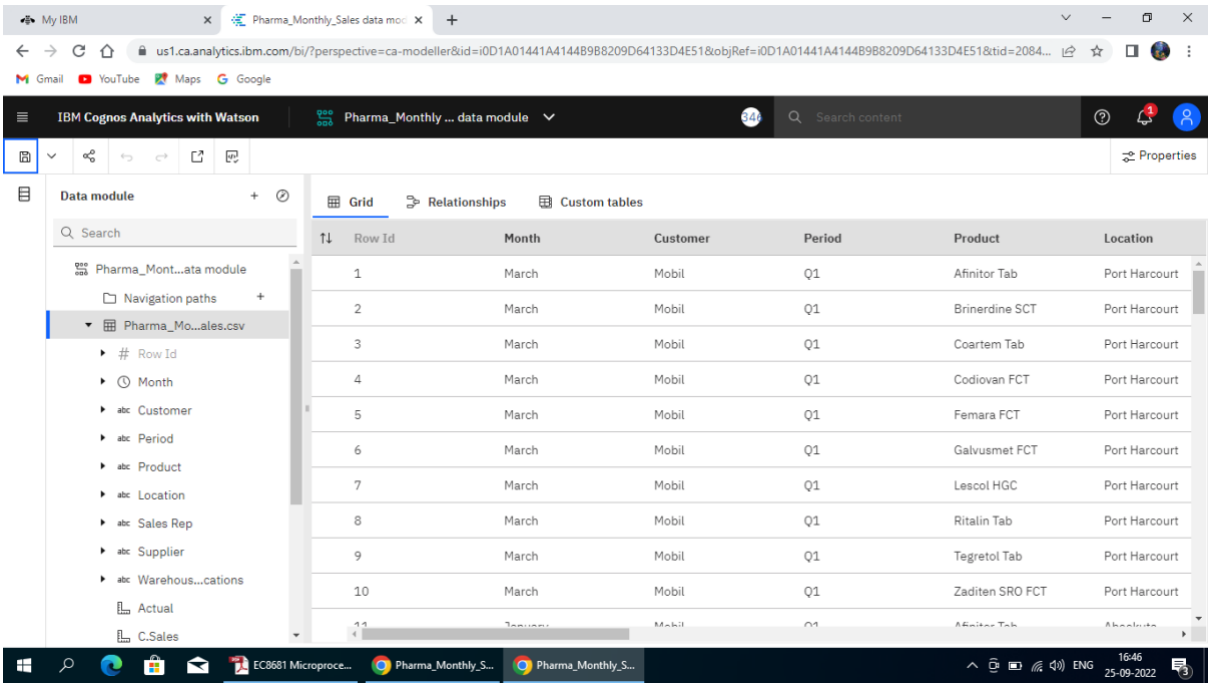
Task 6: Sales Trend

Task 7:Monthly Sales

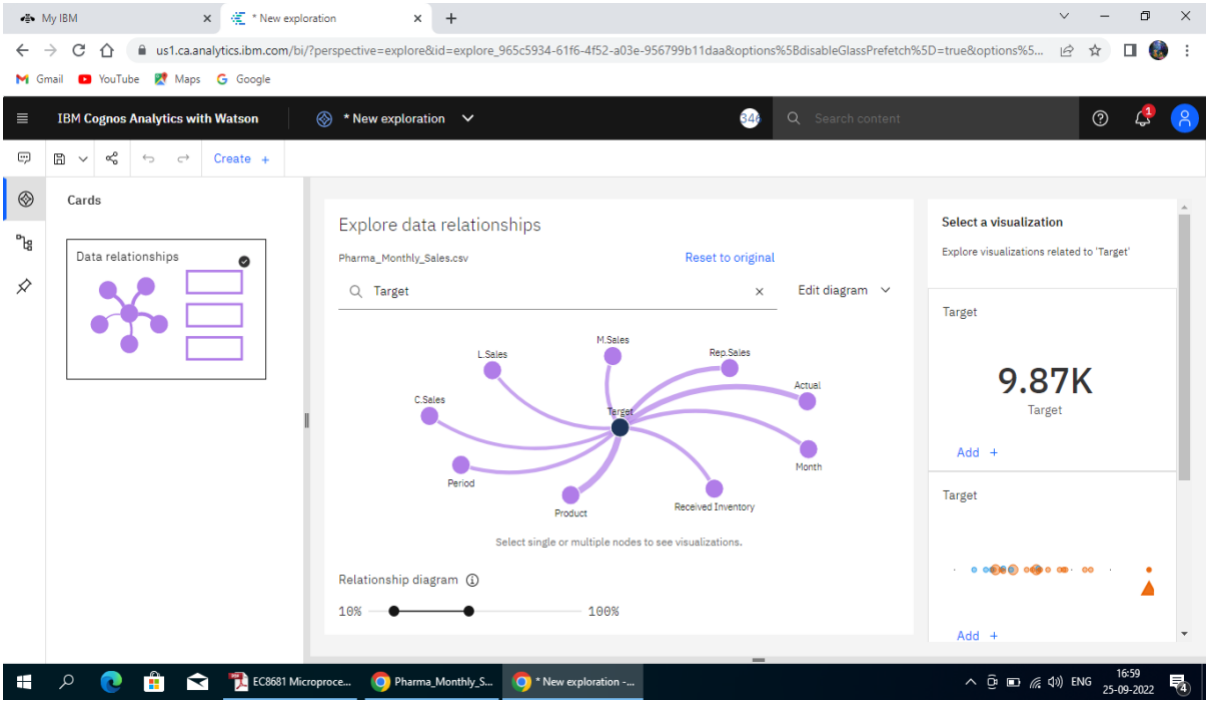
Task 8: Actual and Received Inventory by Month

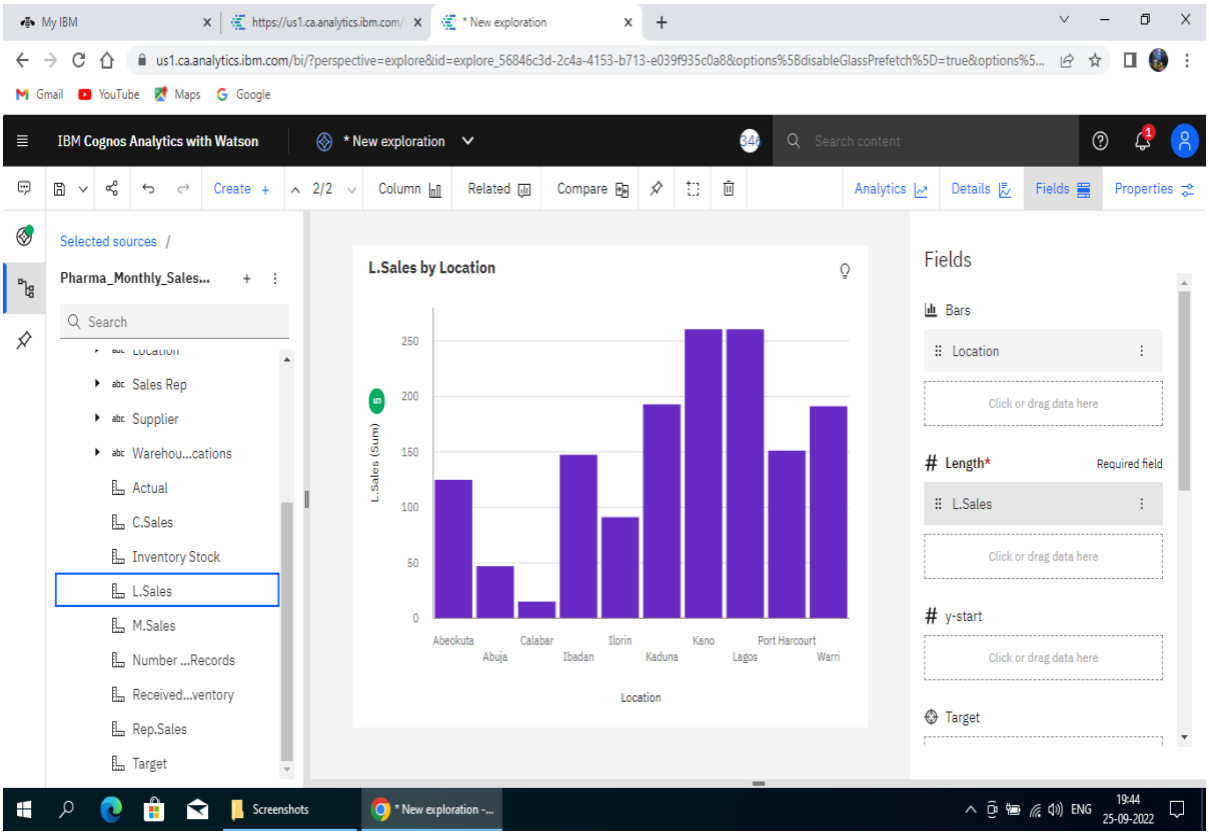
Solution:

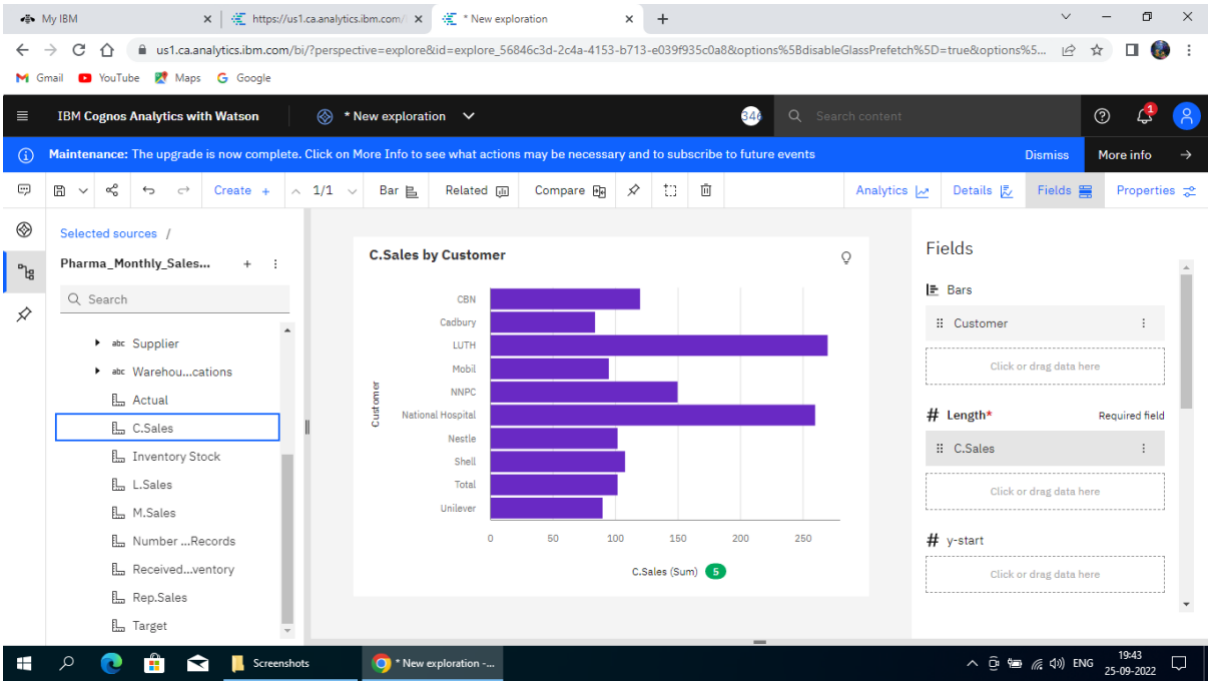
Prepare the dataset



Exploration:



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IBM Cognos Analytics with Watson
* New exploration
Search content
Maintenance: The upgrade is now complete. Click on More Info to see what actions may be necessary and to subscribe to future events
Dismiss
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Create
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Fields
Properties
Selected sources /
Pharma_Monthly_Sales...
Search
Supplier
Warehou...cations
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number ...Records
Received...ventory
Rep.Sales
Target
C.Sales by Customer
CBN
Cadbury
LUTH
Mobil
NNPC
National Hospital
Nestle
Shell
Total
Unilever
Customer
0
50
100
150
200
250
C.Sales (Sum)
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Length*
Required field
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Click or drag data here
Screenshots
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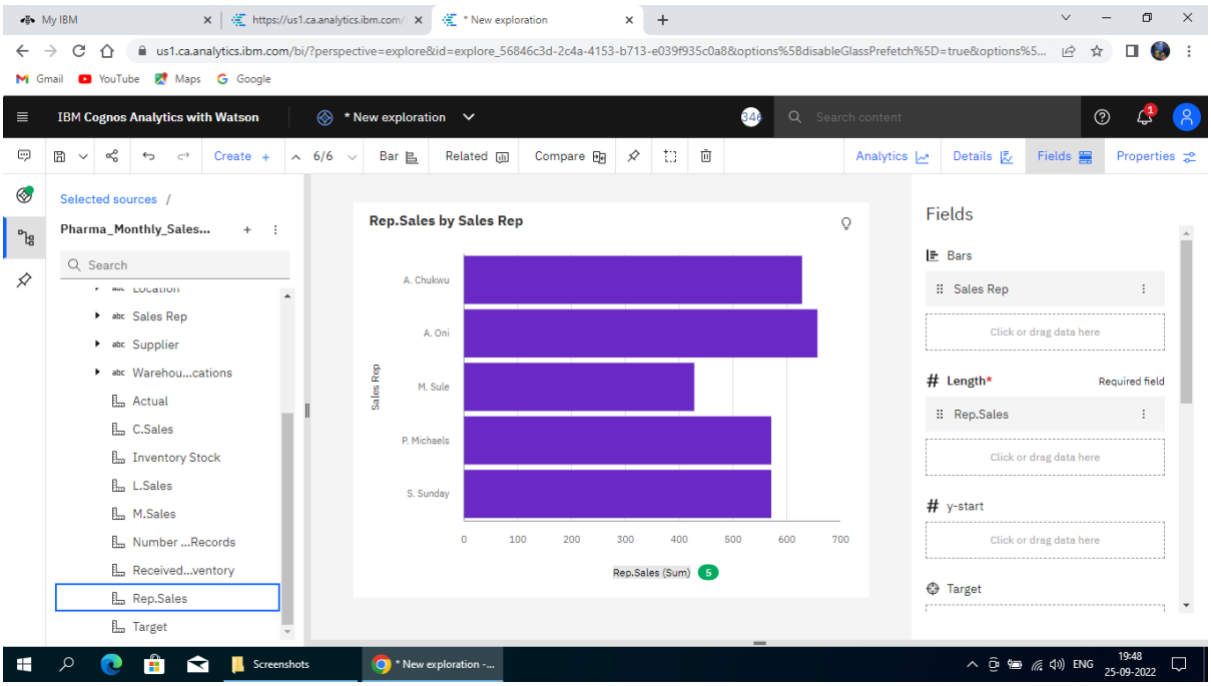
ENG
19:43
25-09-2022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IBM Cognos Analytics with Watson
* New exploration
Search content
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6/6
Bar
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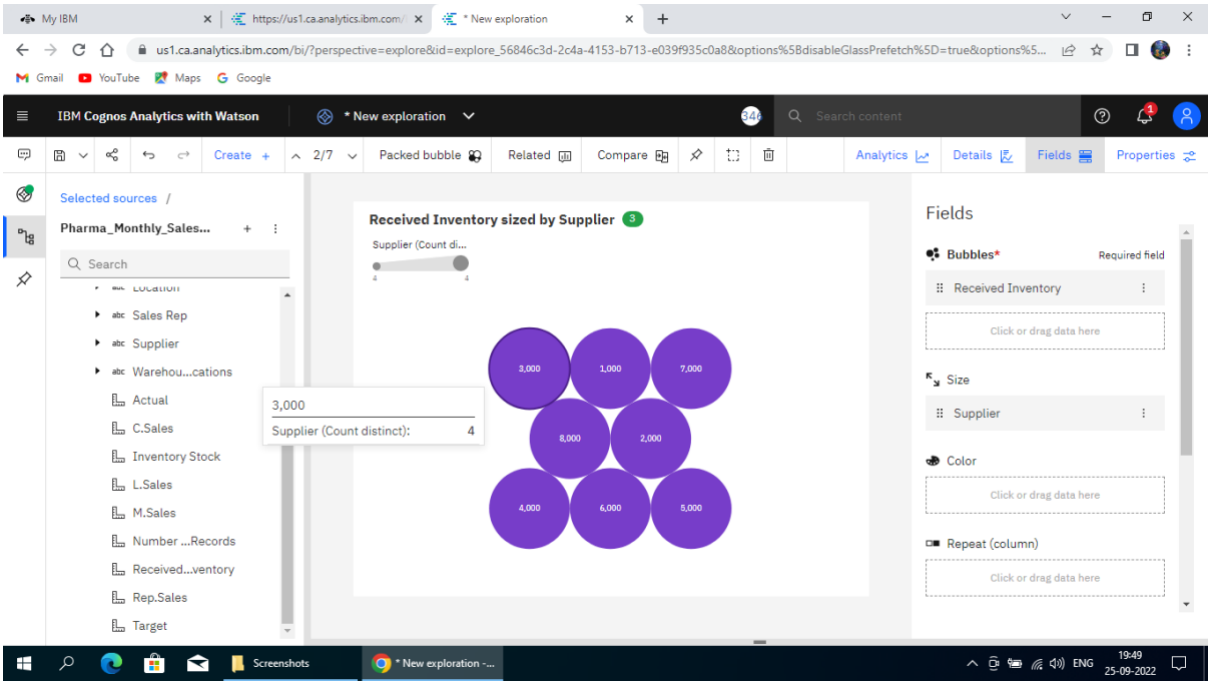
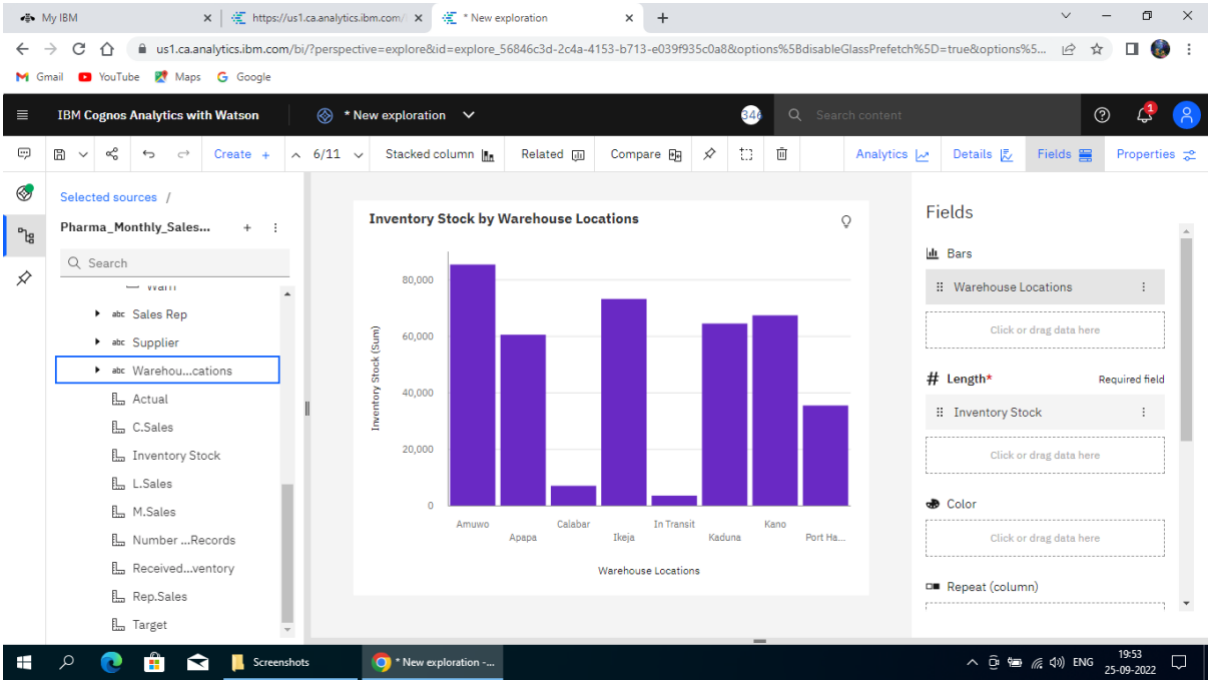
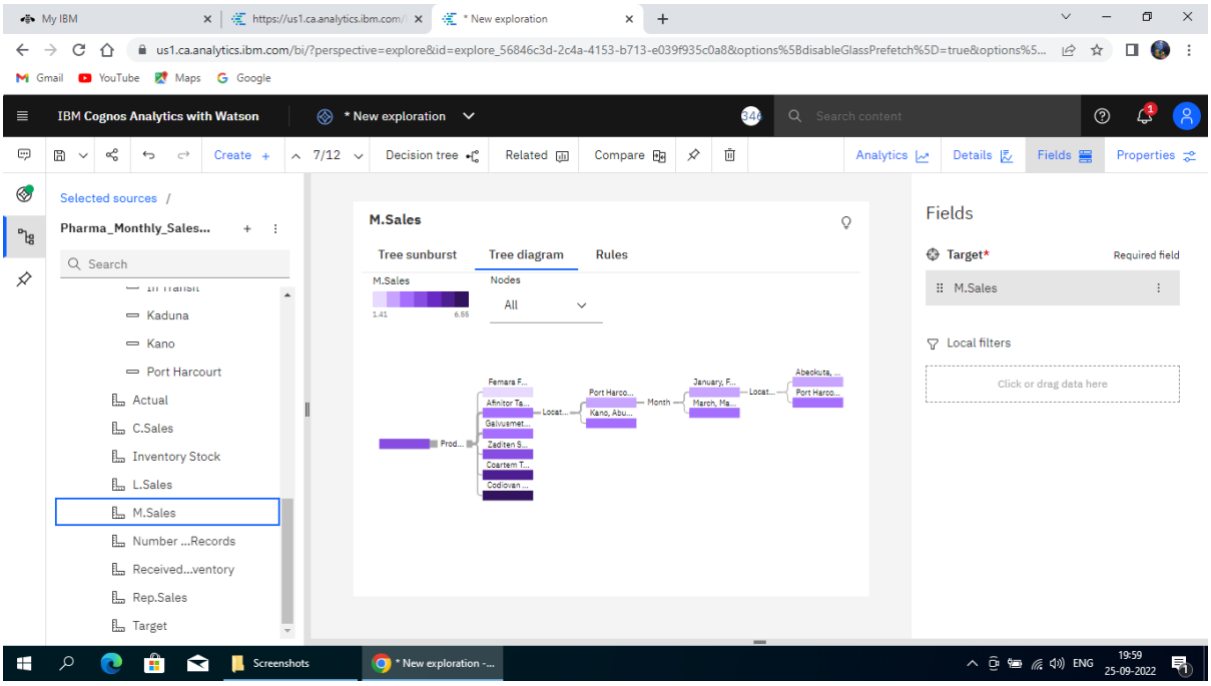
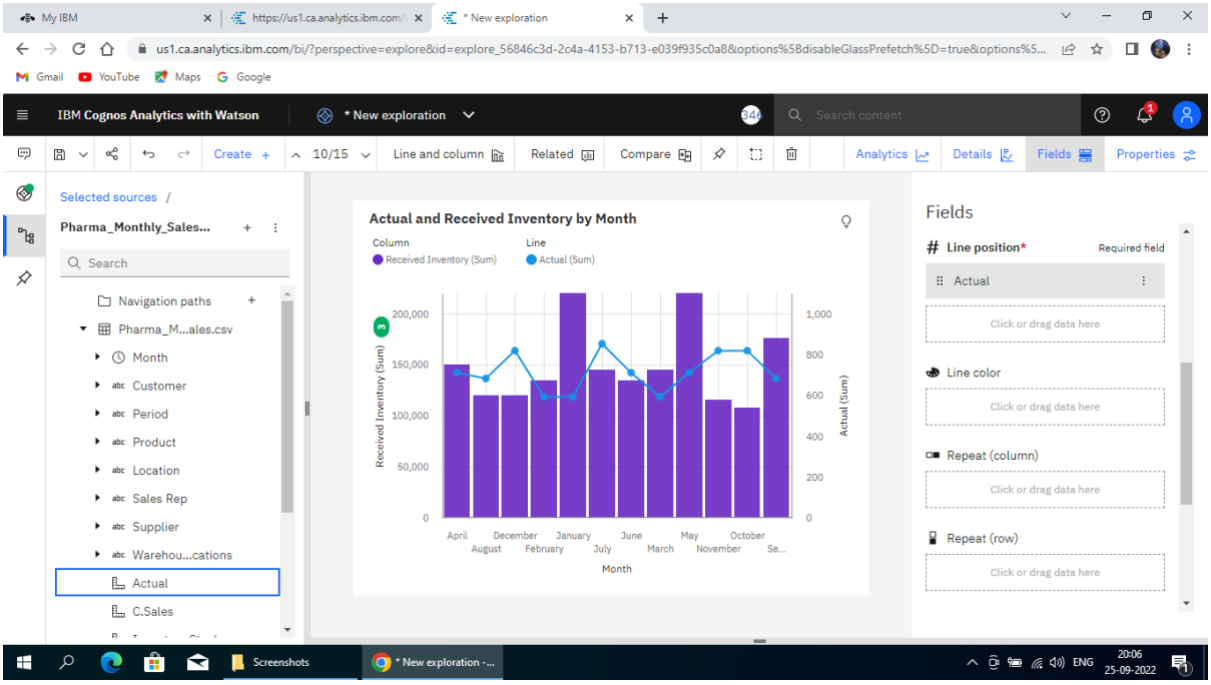
Pharma_Monthly_Sales...
Search
Sales Rep
Supplier
Warehou...cations
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number ...Records
Received...ventory
Rep.Sales
Target
Rep.Sales by Sales Rep
A. Chukwu
A. Oni
M. Sule
P. Michaels
S. Sunday
Sales Rep
0
100
200
300
400
500
600
700
Rep.Sales (Sum)
5
Fields
Bars
Sales Rep
Click or drag data here
Length*
Required field
Rep.Sales
Click or drag data here
y-start
Click or drag data here
Target
Screenshots
* New exploration -...
ENG
19:48
25-09-2022

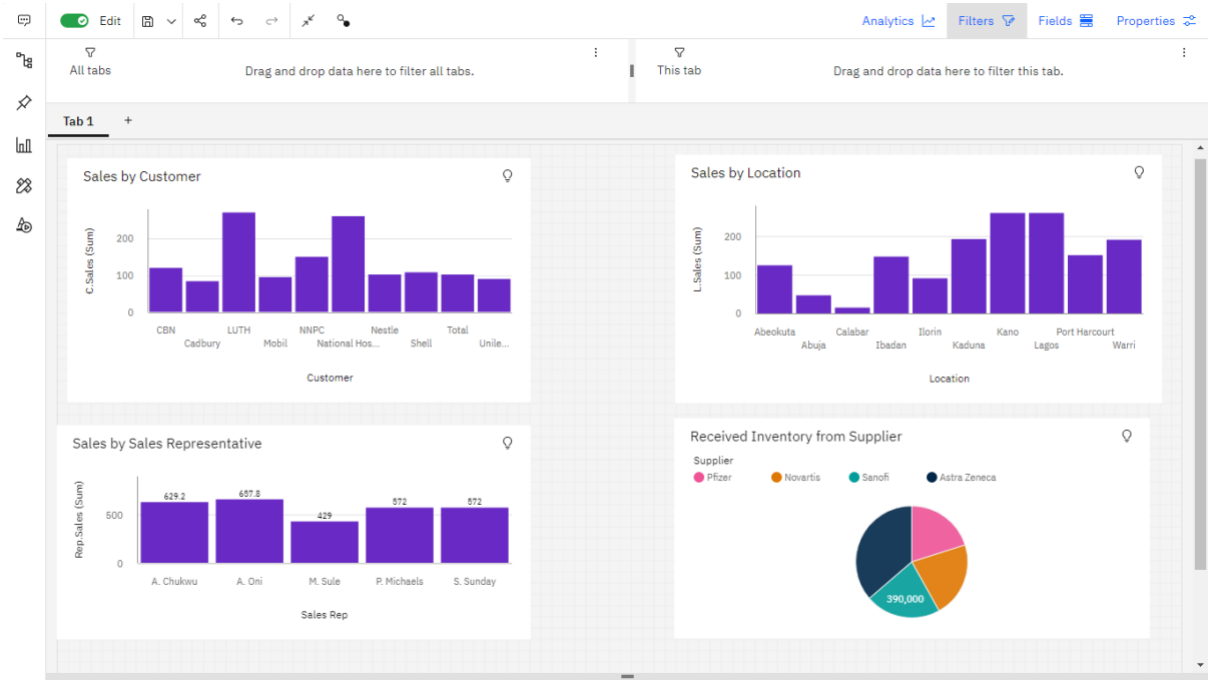

IBM Cognos Analytics with Watson
* New exploration
Create
2/7
Packed bubble
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Pharma_Monthly_Sales...
Search
Sales Rep
Supplier
Warehou...cations
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number ...Records
Received...ventory
Rep.Sales
Target
Received Inventory sized by Supplier
Supplier (Count di...
3,000
1,000
7,000
8,000
2,000
4,000
6,000
5,000
3,000
Supplier (Count distinct): 4
Fields
Bubbles*
Required field
Received Inventory
Click or drag data here
Size
Supplier
Color
Repeat (column)
Screenshots
* New exploration -...
ENG
19:49
25-09-2022

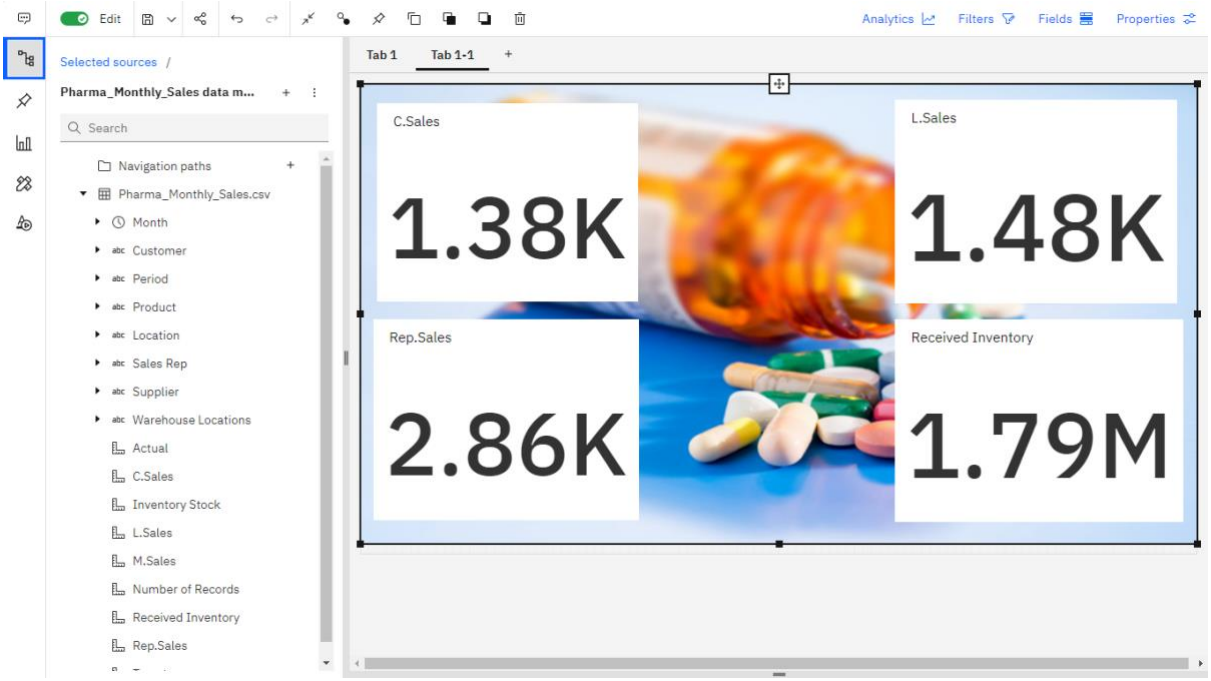

IBM Cognos Analytics with Watson
* New exploration
Create
6/11
Stacked column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Pharma_Monthly_Sales...
Search
Sales Rep
Supplier
Warehou...cations
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number ...Records
Received...ventory
Rep.Sales
Target
Inventory Stock by Warehouse Locations
80,000
60,000
40,000
20,000
0
Inventory Stock (Sum)
Amuwo
Apapa
Calabar
Ikeja
In Transit
Kaduna
Kano
Port Ha...
Warehouse Locations
Fields
Bars
Warehouse Locations
Click or drag data here
Length*
Required field
Inventory Stock
Click or drag data here
Color
Click or drag data here
Repeat (column)
Screenshots
* New exploration -...
ENG
19:53
25-09-2022

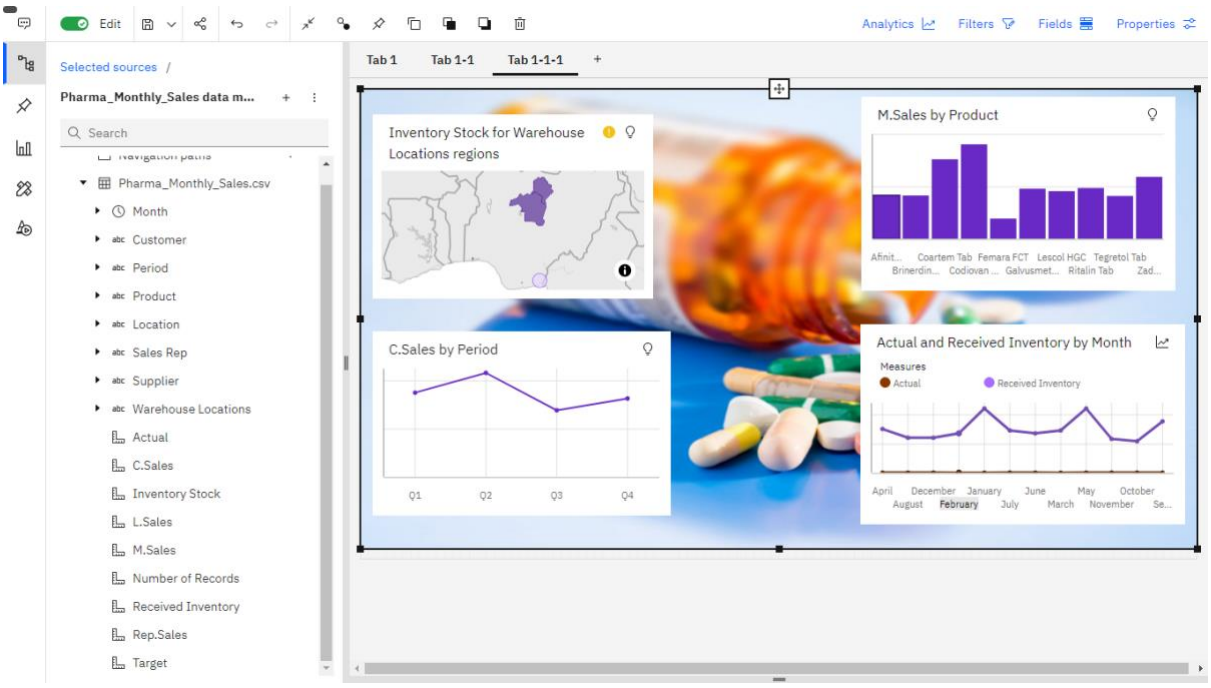

IBM Cognos Analytics with Watson
* New exploration
Create
7/12
Decision tree
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Pharma_Monthly_Sales...
Search
Kaduna
Kano
Port Harcourt
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number ...Records
Received...ventory
Rep.Sales
Target
M.Sales
Tree sunburst
Tree diagram
Rules
Nodes
All
Fields
Target*
Required field
M.Sales
Local filters
Click or drag data here


IBM Cognos Analytics with Watson
* New exploration
Create
10/15
Line and column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Pharma_Monthly_Sales...
Search
Navigation paths
Pharma_M...ales.csv
Month
Customer
Period
Product
Location
Sales Rep
Supplier
Warehou...cations
Actual
C.Sales
Actual and Received Inventory by Month
Column
Received Inventory (Sum)
Line
Actual (Sum)
Received Inventory (Sum)
Actual (Sum)
Month
Fields
Line position*
Required field
Actual
Line color
Repeat (column)
Repeat (row)
Click or drag data here

INTERACTIVE DASHBOARD:






Edit
Analytics
Filters
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Pharma_Monthly_Sales data m...
Search
Pharma_Monthly_Sales.csv
Month
Customer
Period
Product
Location
Sales Rep
Supplier
Warehouse Locations
Actual
C.Sales
Inventory Stock
L.Sales
M.Sales
Number of Records
Received Inventory
Rep.Sales
Target
Tab 1
Tab 1-1
Tab 1-1-1
Inventory Stock for Warehouse Locations regions
M.Sales by Product
C.Sales by Period
Q1
Q2
Q3
Q4
Actual and Received Inventory by Month
Measures
Actual
Received Inventory
April
December
January
June
May
October
August
February
July
March
November