

Assignment -2

Pharma Sales Dashboard

Assignment Date	27 September 2022
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Student Roll Number	510119205008
Maximum Marks	2 Marks

DESCRIPTION: Sales of Pharmaceutical products, which may include medicines, surgical devices, consumables of any form, machines, and equipment used in surgeries are called Pharma Sales. The target audience is doctors of any kind, chemists, and/or purchase in charge in hospitals or pharmacies.

Pharmaceutical sale is very different from regular sales of any kind right from the product to the customer to the process of selling. Of all the sales, Pharmaceutical sales are considered to be one of the most lucrative and most challenging jobs requiring a lot of learning on the salesperson's part.

DATA SET: Pharma_Monthly_Sales.csv - Google Drive

About the Pharma Dataset:

Let's understand the features of the dataset:

1. Month- January -December Months Data.
2. Customer- Hospitals & Organizations.
3. Period- Q1-Q4 are the four quarters which show the sales record quarterly.
4. Product- Different Tablets for diseases
5. Location-Sales in different regions,
6. Sales Rep- Sales Representative who sells pharma products.
7. Supplier-Pharmaceuticals companies are those who supply their products.
8. Warehouse Location- A warehouse location is a region where companies storing goods.
9. Actual-Actual sales for the product.
10. C.sales-Customer Sales for the product.
11. Inventory Stock: Inventory stock refers to the goods and materials that a business holds for the ultimate goal of resale.
12. L.sales-Location Wise Sales for the product.
13. M.sales-Monthly Sales for the product.
14. Received Inventory- Creating a safe, fast, and organized process for handling received inventory. Accurately track your goods from when they arrive in your warehouse to when they are shipped to your customer.
15. Rep. sales- Representative Sales for the product.
16. Target- Target sales for the product.

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:

UPLOADING AND PREPARING THE DATA:

The screenshot displays the IBM Cognos Analytics web application. The browser address bar shows a URL for a perspective view. The application header includes the IBM Cognos Analytics logo and the current data module, 'Pharma_Monthly... data module'. A search bar is present on the right. The left sidebar shows a 'Data module' view with a search bar and a tree structure of navigation paths. The main area is divided into three tabs: 'Grid', 'Relationships', and 'Custom tables'. The 'Grid' tab is active, showing a table with 13 rows and 8 columns. The columns are: Row Id, Month, Customer, Period, Product, Location, and Sales Rep. The data shows sales for March and January across various products and locations.

Row Id	Month	Customer	Period	Product	Location	Sales Rep
1	March	Mobil	Q1	Afritor Tab	Port Harcourt	A. Chukwu
2	March	Mobil	Q1	Binerdine SCT	Port Harcourt	A. Chukwu
3	March	Mobil	Q1	Coartem Tab	Port Harcourt	A. Chukwu
4	March	Mobil	Q1	Codolan FCT	Port Harcourt	A. Chukwu
5	March	Mobil	Q1	Femara FCT	Port Harcourt	A. Chukwu
6	March	Mobil	Q1	Galvusmet FCT	Port Harcourt	A. Chukwu
7	March	Mobil	Q1	Lascol HGC	Port Harcourt	A. Chukwu
8	March	Mobil	Q1	Ritalin Tab	Port Harcourt	A. Chukwu
9	March	Mobil	Q1	Tagretol Tab	Port Harcourt	A. Chukwu
10	March	Mobil	Q1	Zaditen SRO FCT	Port Harcourt	A. Chukwu
11	January	Mobil	Q1	Afritor Tab	Abeokuta	A. Chukwu
12	January	Mobil	Q1	Binerdine SCT	Abeokuta	A. Chukwu
13	January	Mobil	Q1	Coartem Tab	Abeokuta	A. Chukwu

Pharma_Monthly_Sales data module

us3.ca.analytics.ibm.com/bi/perspective=ca-modeller&id=E63ACED0C6C6485381A1F8C8A77C70A6&objRef=E63ACED0C6C6485381A1F8C8A77C70A6&id=39790579_64c51a0964084342a4e36...

New Tab Avatar image

IBM Cognos Analytics with Watson

Pharma_Monthly ... data module

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Search content

Properties

Data module

Search

Pharma_Monthly_Sales module

Navigation paths

Pharma_Monthly_Sales.csv

Row Set

Month

Customer

Period

Product

Location

Sales Rep

Supplier

Warehouse locations

Actual

C.Sales

Inventory Stock

L.Sales

M.Sales

Grid

Relationships

Custom tables

T1	Inventory Stock	L.Sales	M.Sales	Number of Records	Received Inventory	Rep.Sales	Target
1200	1.89	4.224	1	5000	4.62	30	
480	1.89	4.224	1	2000	4.62	27	
1320	3.51	7.744	1	6000	8.58	18	
960	4.14	9.196	1	2000	10.12	29	
600	0.9	1.96	1	4000	2.2	17	
240	2.16	4.884	1	2000	5.28	28	
240	2.07	4.644	1	2000	5.06	49	
480	2.25	4.95	1	1000	5.5	27	
840	1.89	4.18	1	3000	4.62	17	
600	2.7	6.0368	1	2000	6.6	7	
3500	1.89	2.112	1	6000	4.62	12	
1400	1.89	2.112	1	3000	4.62	8	
3850	3.51	3.872	1	8000	8.58	16	

Saturday, October 1, 2022

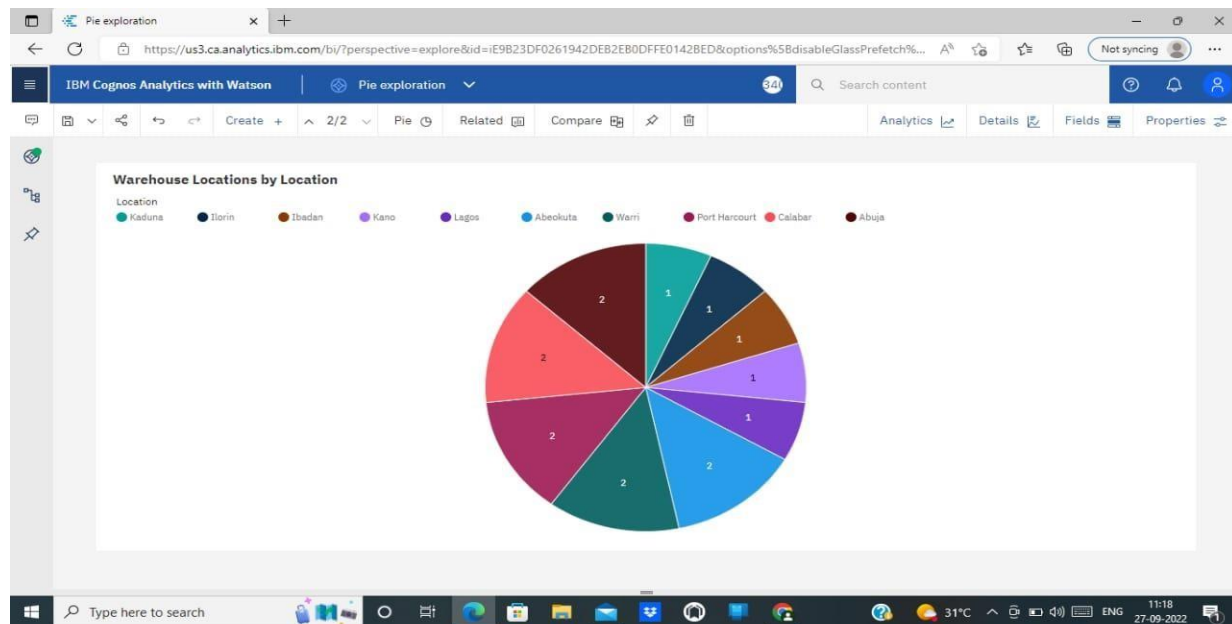
32°C Mostly cloudy

6:18 PM

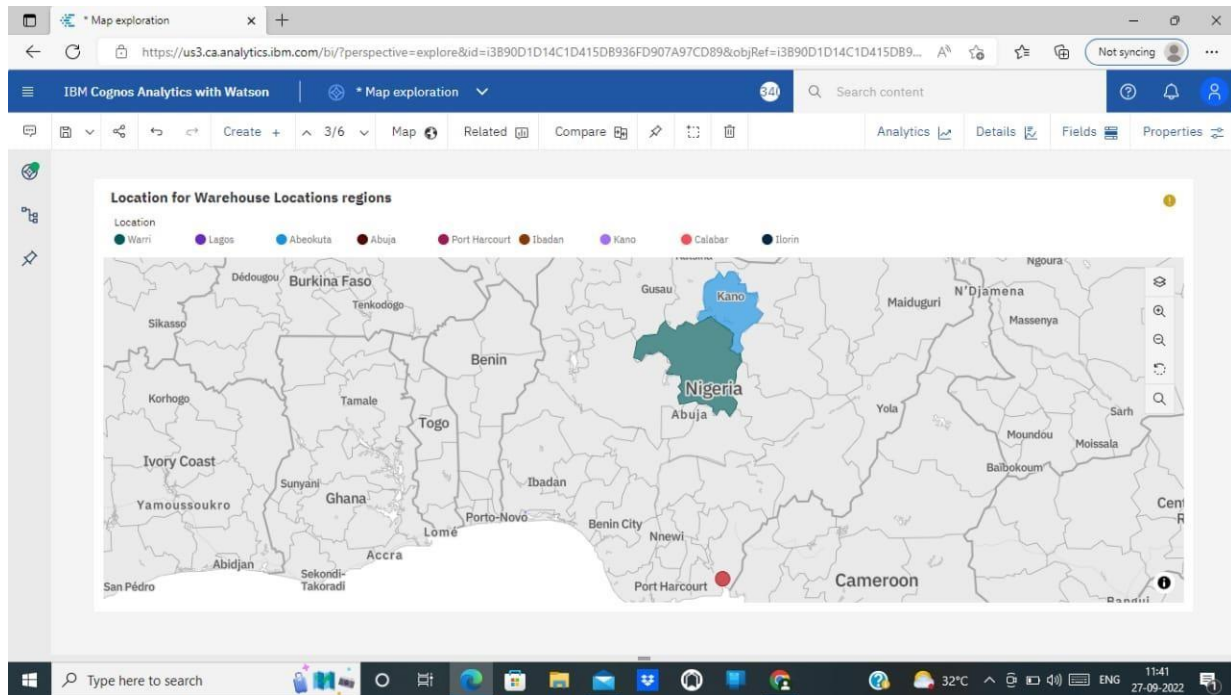
10/1/2022

EXPLORATION OF DATA SET ;

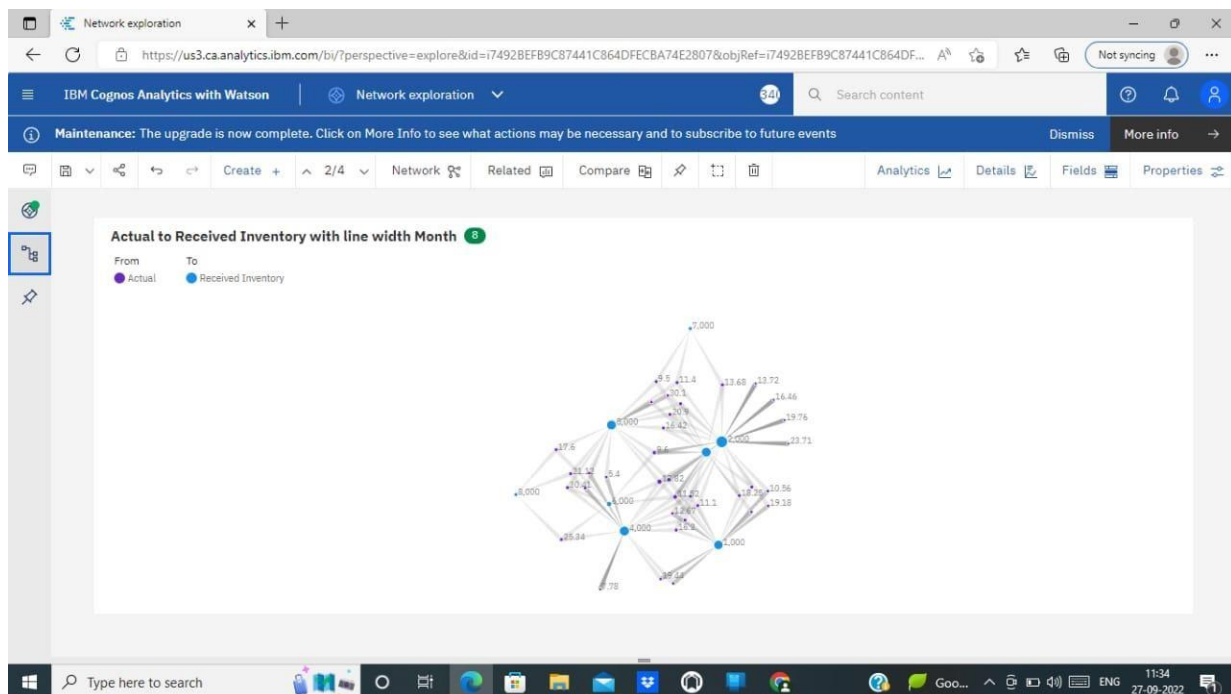
PIE CHART EXPLORATION



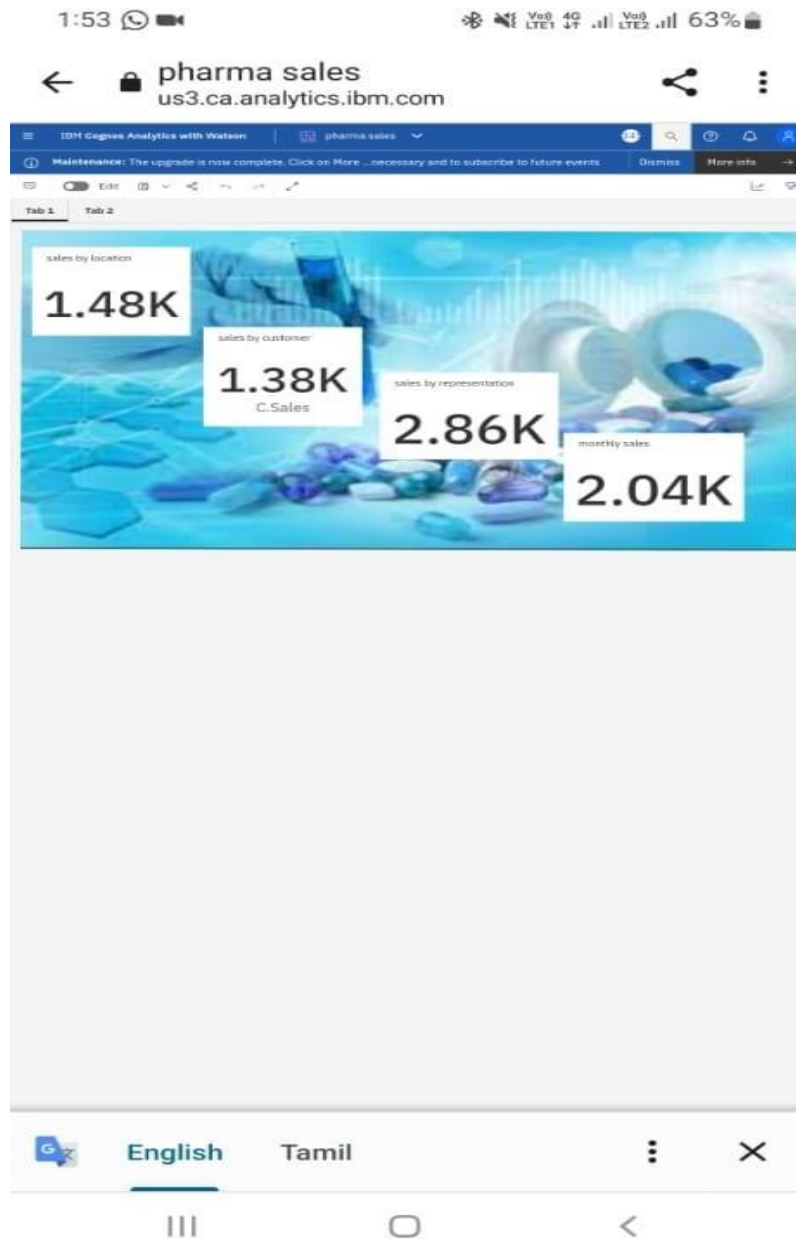
MAP EXPOLRATION



NETWORK EXPLORATION



CREATION OF INTERACTIVE DASHBOARD:



1:54

VoLTE 4G LTE1 LTE2 63%



pharma sales
us3.ca.analytics.ibm.com



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Maintenance: The upgrade is now complete. Click on More...necessary and to subscribe to future events. Dismiss More info

Tab 1

Tab 2



English

Tamil

