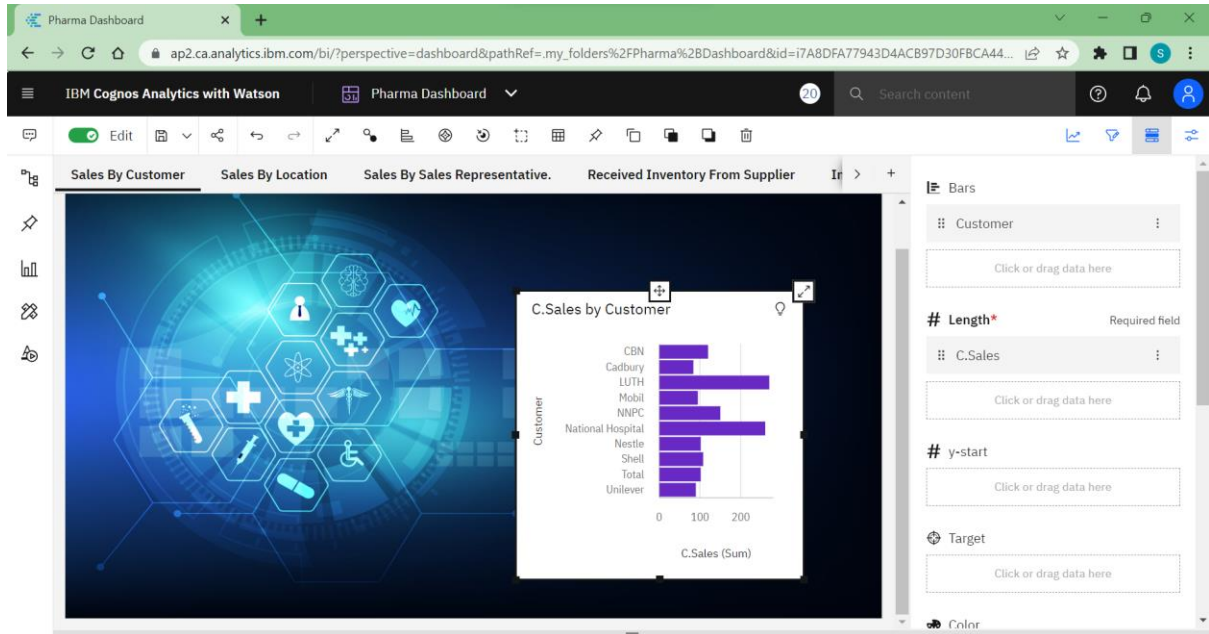


Team Members:

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SRI RAM PRASAD S – 917719IT103
SURYA S – 917719IT109
NAMGAIL DORJAY – 917719IT062

Challenge:- Upload the dataset to Cognos Analytics, prepare the data, explore and Create Interactive Dashboard.

Task 1: Sales By Customer.



Using Calculation:

Create calculation

Name: Sales By Customer

Components

- Pharma_M...ales.csv
 - Month
 - Customer
 - Period
 - Product
 - Location
 - Sales Rep
 - Supplier
 - Wareho...tions
 - Actual
 - C.Sales

Expression

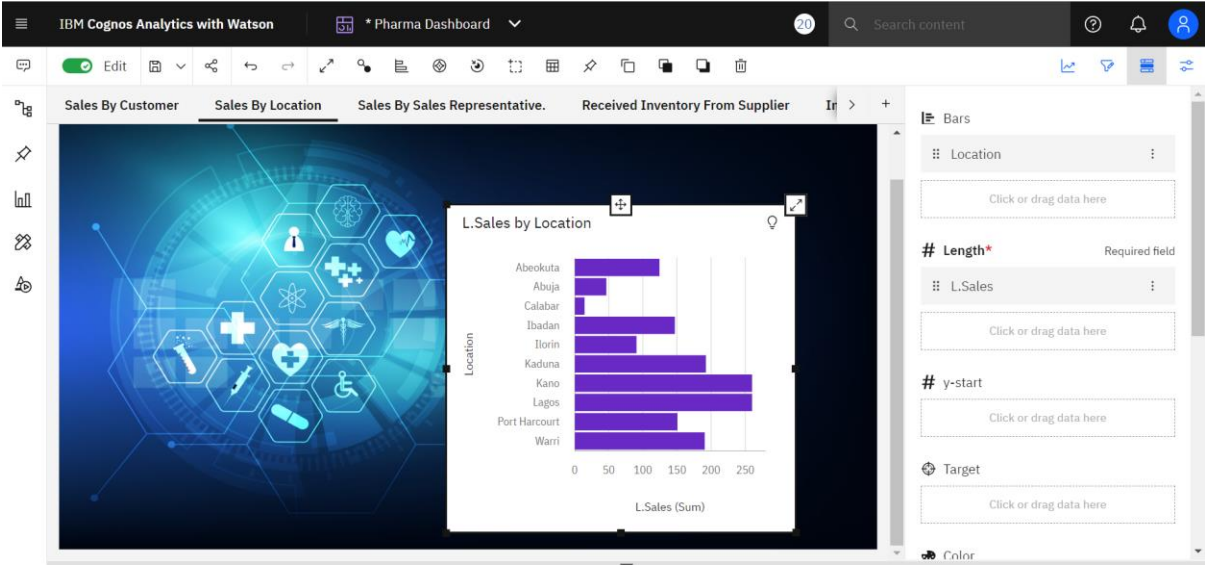
```
1 count (Pharma_Monthly_Sales_csv.C_Sales )
```

Preview (Execution time: 0.55 seconds)

Sales By Customer	C.Sales
550	1381

Team Members:
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Task 2: Sales By Location.



Using Calculation:

Create calculation

Name: Sales By Location

Components

- Pharma_M...ales.csv
 - Month
 - Customer
 - Period
 - Product
 - Location
 - Sales Rep
 - Supplier
 - Wareho...tions
 - Actual
 - C.Sales

Expression

```
1 count (Pharma_Monthly_Sales_csv.Location)
```

Preview (Execution time: 0.685 seconds)

Sales By Customer	Location
52	Port Harcourt
57	Abeokuta

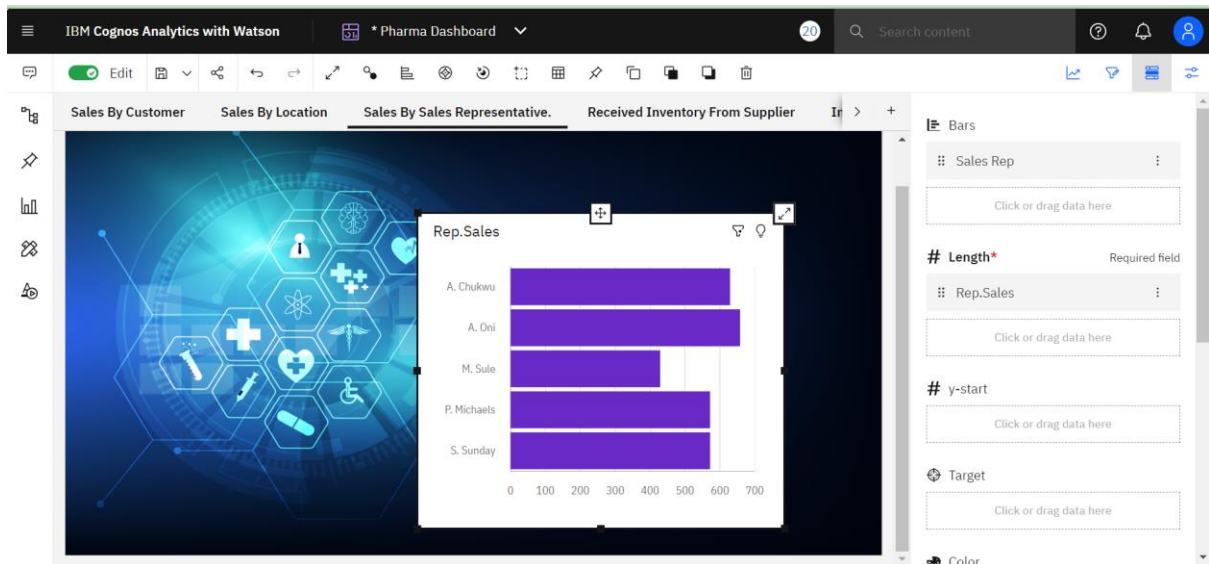
Sales By Customer	Location
68	Warri
60	Kaduna
35	Ilorin
11	Calabar

Team Members:

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100	Lagos
100	Kano
51	Ibadan
16	Abuja

Task 3: Sales By Sales Representative.



Sales Rep	Rep.Sales
A. Chukwu	629.2
A. Oni	657.8
M. Sule	429
P. Michaels	572
S. Sunday	572

Using Calculation:

Team Members:

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SRI RAM PRASAD S – 917719IT103

SURYA S - 917719IT109

NAMGAIL DORJAY – 917719IT062

Supplier	Received Inventory
Astra Zeneca	650000
Novartis	390000
Pfizer	360000
Sanofi	390000

Using Calculation:

Expression

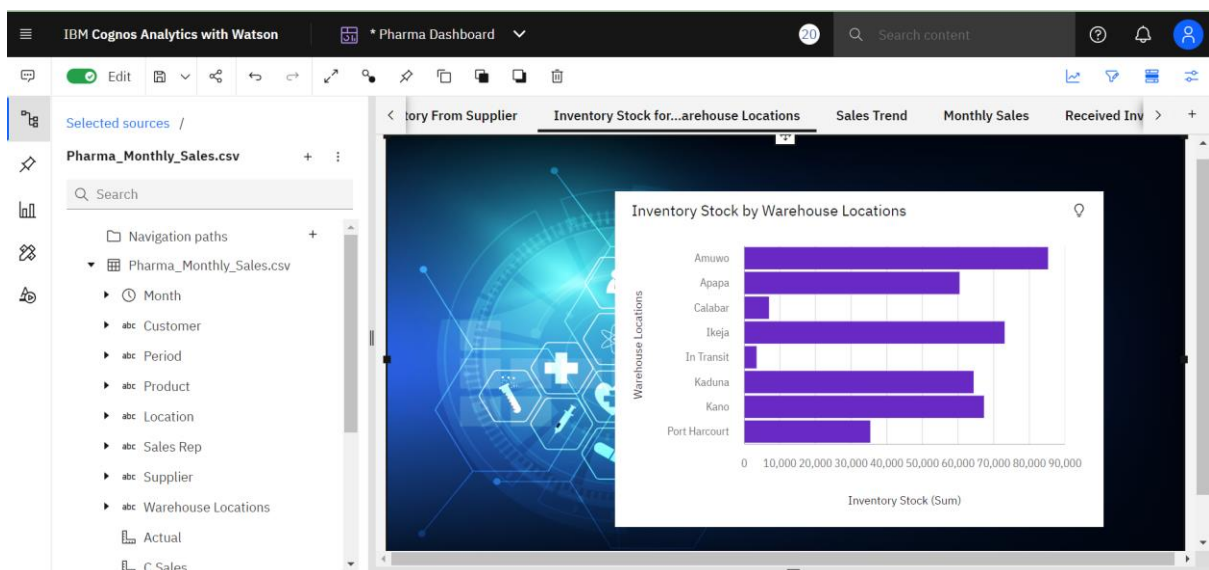
1count(Pharma_Monthly_Sales_csv.Received_Inventory)

Preview (Execution time: 0.862 seconds)

Refresh

Calculation name	Received Inventory
550	1790000

Task 5: Inventory Stock for Warehouse Locations



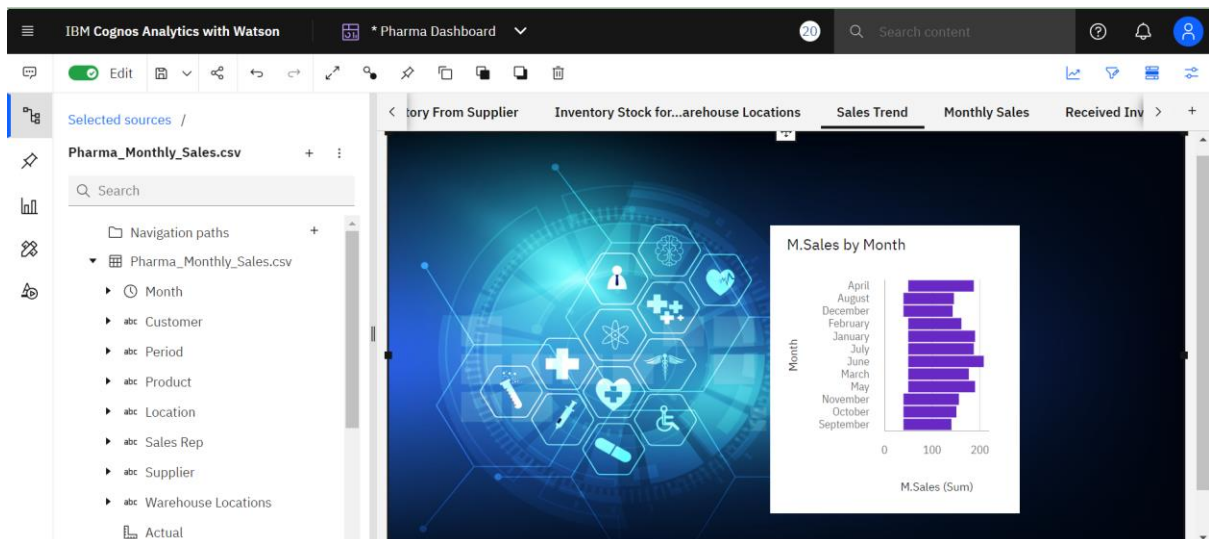
Team Members:

SHUJAT HUSSAIN – 917719IT091
 SRI RAM PRASAD S – 917719IT103
 SURYA S – 917719IT109
 NAMGAIL DORJAY – 917719IT062

Warehouse Locations	Inventory Stock
Amuwo	85260
Apapa	60424.17
Calabar	6960
Ikeja	73080
In Transit	3480
Kaduna	64380
Kano	67280
Port Harcourt	35380

Task 6: Sales Trend

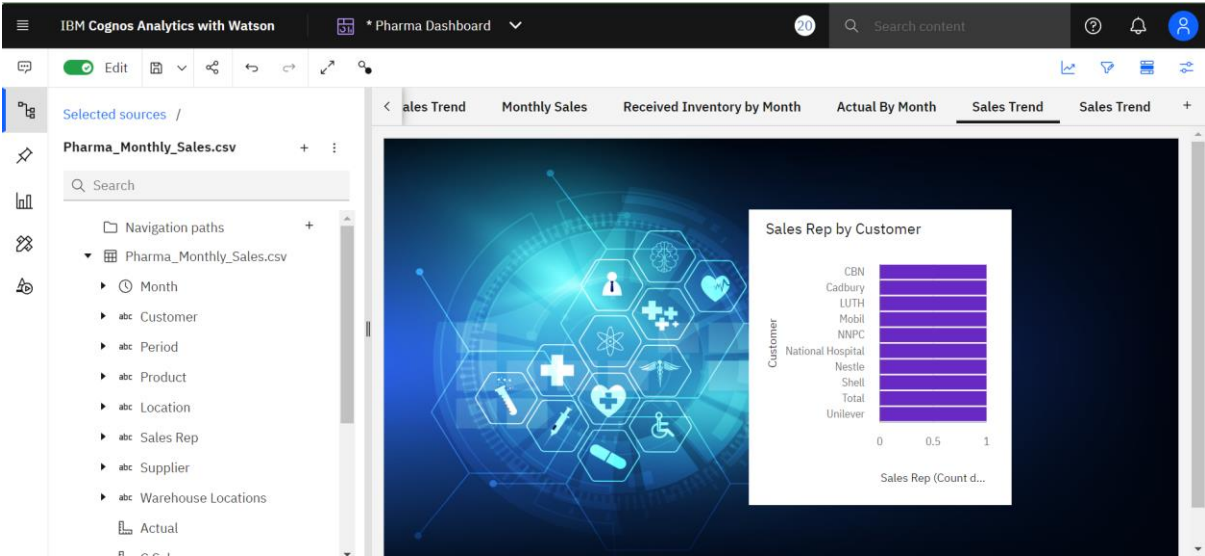
Sales by Months:



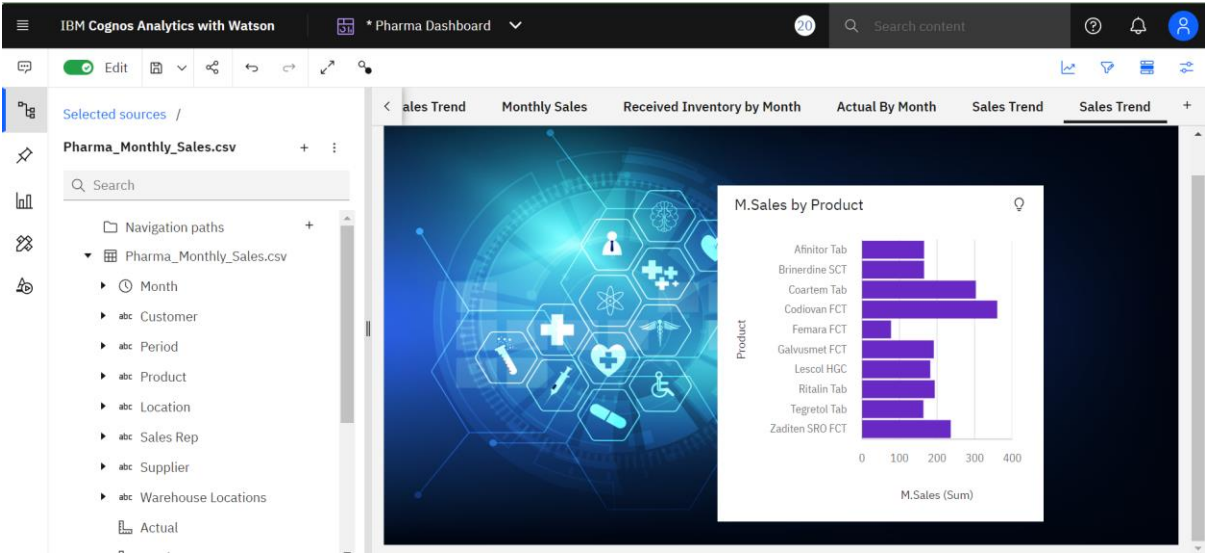
Team Members:

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SRI RAM PRASAD S	– 917719IT103
SURYA S	– 917719IT109
NAMGAIL DORJAY	– 917719IT062

Sales Representative By Customer:

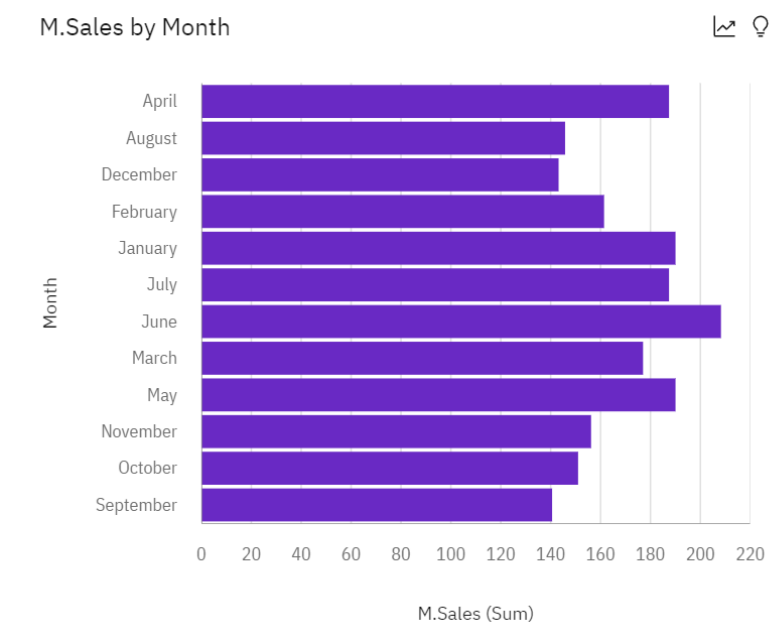


Monthly Sales by Product:

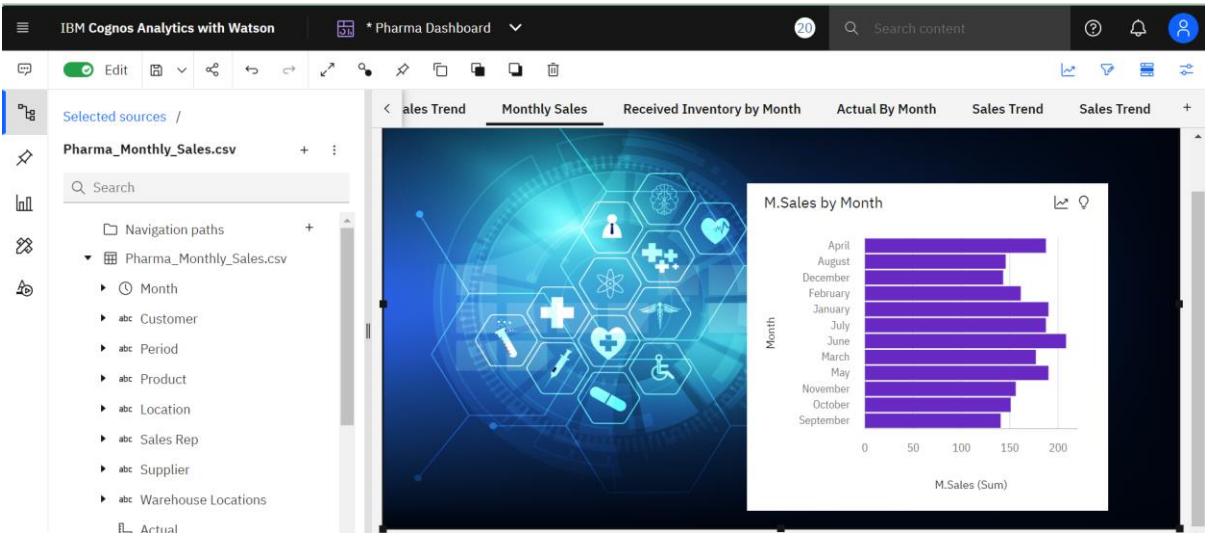


Team Members:
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NAMGAIL DORJAY – 917719IT062

Month By Month Sales:



Task 7: Monthly Sales



Team Members:
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SURYA S – 917719IT109
NAMGAIL DORJAY – 917719IT062

⋮	Month	M.Sales
	April	187.43
	August	145.78
	December	143.18
	February	161.4
	January	190.04
	July	187.43
	June	208.26
	March	177.02
	May	190.04
	November	156.2
	October	150.99
	September	140.58

Using Calculation:

```
1 count(Pharma_Monthly_Sales_csv.M_Sales)
```

=

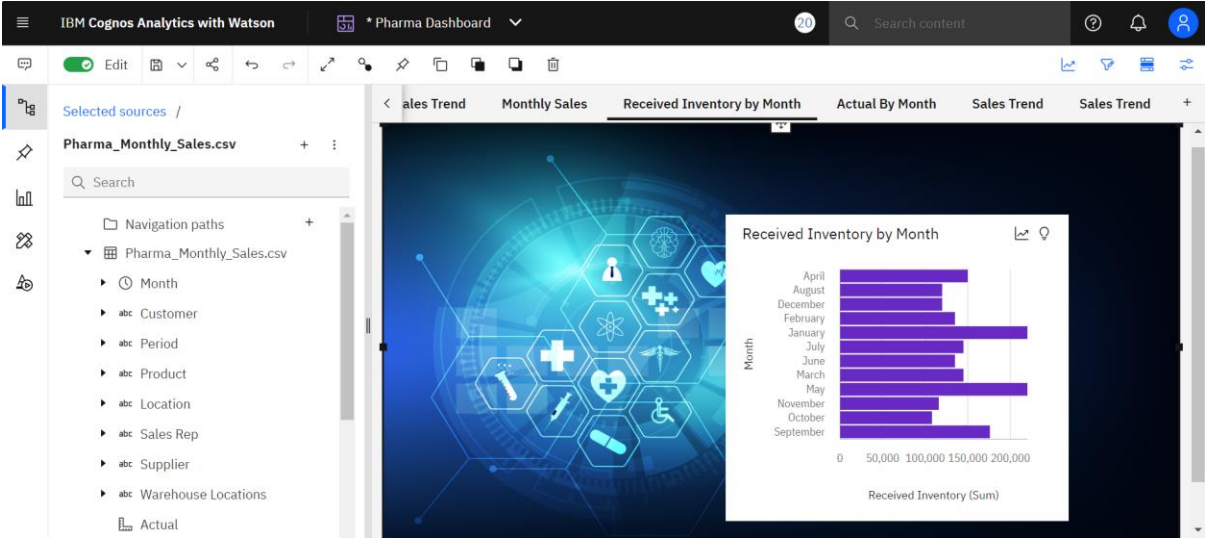
Preview (Execution time: 0.676 seconds) Refresh ×

Calculation name	M.Sales
550	2038.3525799999998

Team Members:
SHUJAT HUSSAIN – 917719IT091
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SURYA S – 917719IT109
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Task 8: Actual and Received Inventory by Month

Received Inventory by Month:



Month	Received Inventory
April	150000
August	120000
December	120000
February	135000
January	220000
July	145000
June	135000
March	145000
May	220000
November	116000
October	108000
September	176000

Team Members:
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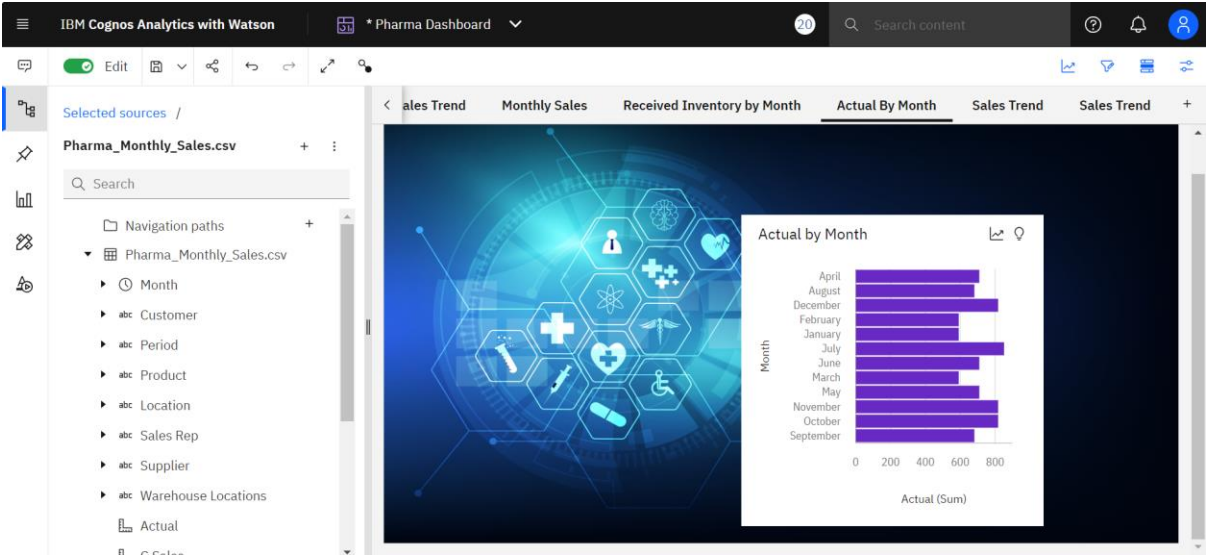
Calculation:

Expression

```
1 count(Pharma_Monthly_Sales_csv.Received_Inventory)
```

Calculation name	Received Inventory
550	1790000

Actual By Month:



Team Members:
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SURYA S – 917719IT109
NAMGAIL DORJAY – 917719IT062

⋮	Month	Actual
	April	709.98
	August	681.58
	December	817.9
	February	591.65
	January	591.65
	July	851.98
	June	709.98
	March	591.65
	May	709.98
	November	817.9
	October	817.9
	September	681.58

Using Calculation Actual By Month:

```
1 count(Pharma_Monthly_Sales_csv.Actual)
```

Calculation name	Actual
550	8573.71848000000 3