

Project Development Phase

Delivery of Sprint 1

Team ID	PNT2022TMID22629
Project Name	PROJECT- RETAIL STORE STOCK INVENTORY ANALYSIS

DATA COLLECTION

1.Download the dataset

Dataset link - <https://drive.google.com/drive/folders/1kiL-5CHJmQvbK9VyFsuUs-myAupBZGNy>

2.Load the dataset

Home

us1.ca.analytics.ibm.com/bi/?perspective=home

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IBM Cognos Analytics with Watson

29/

Search content

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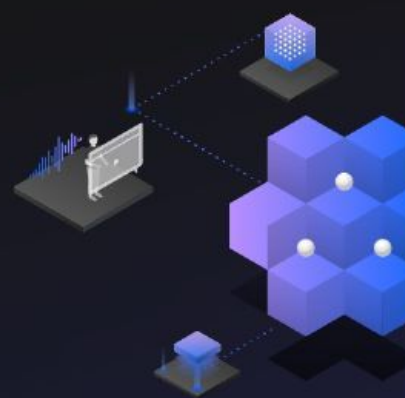
👤

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video

Take a product tour



👤

Suriya Babu (25906619d...
[suriyababu24dsb@gmail.com](#)
[Profile and settings](#)

My schedules and subscriptions

Log my session

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Manage product subscription


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IBM Cognos Analytics Mobile


Log out

Quick launch




Upload data

Upload or drag and drop spreadsheets, csv files, and other data sources.




Prepare data

Use data modules to clean and connect data from multiple resources.




Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.



Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stories.



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06:23 PM
16-11-2022

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29% Search content

Reading Inventory Management dataset.zip... Cancel Details


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You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video Take a product tour




Quick launch




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Content

↑ New +

My content

Team content

Samples



50_Startups.csv

Last Accessed
9/18/2022, 9:18 AM

CSV ↑

Assignment 2

Last Accessed
9/25/2022, 5:26 AM



inventory data management

Last Accessed
11/1/2022, 6:37 AM



Inventory Management dataset.zip

Last Accessed
11/16/2022, 6:54 AM



Inventory Module

Last Accessed
11/1/2022, 6:52 AM



mock_kaggle.csv

Last Accessed
11/1/2022, 5:48 AM

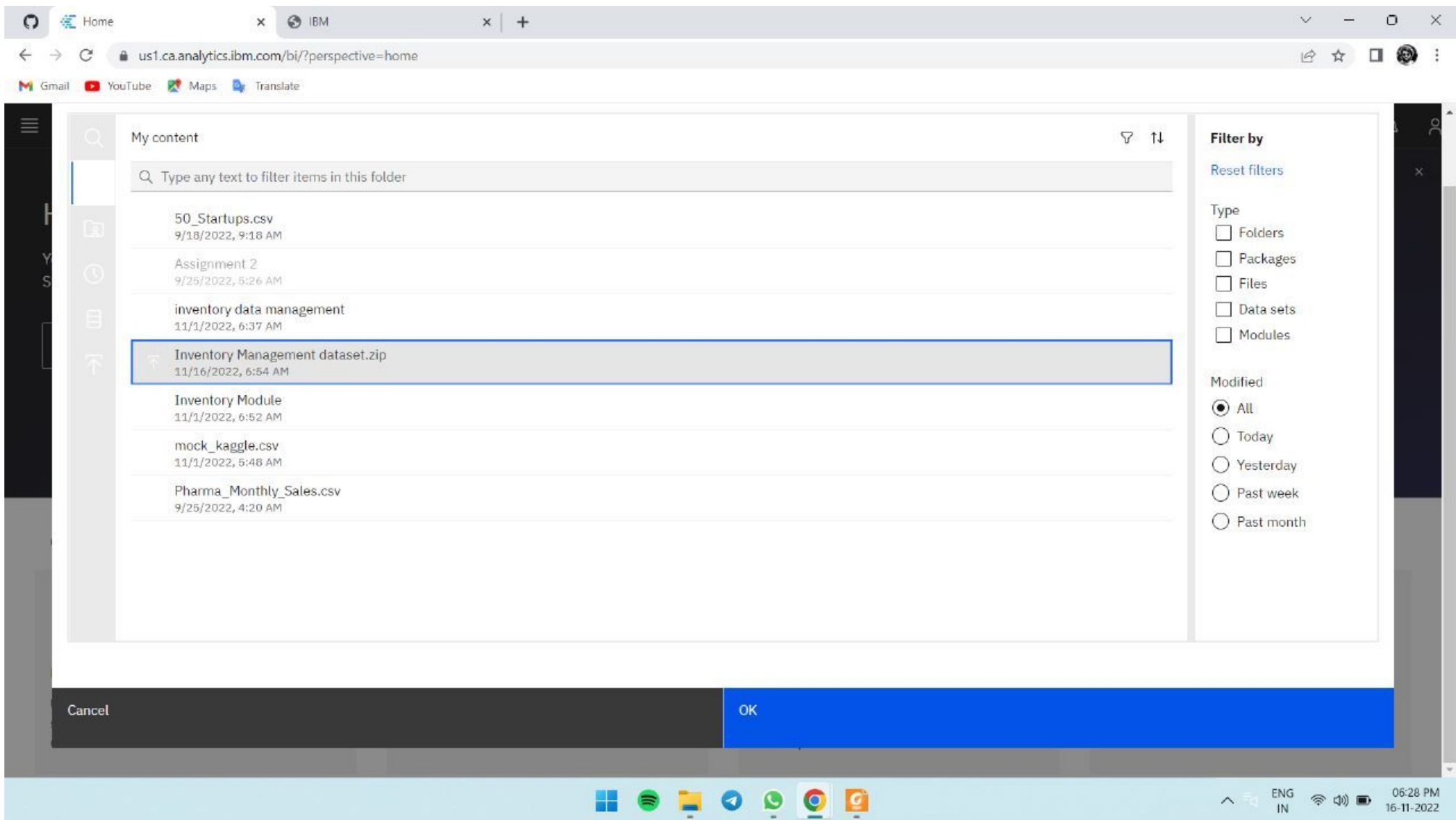
CSV ↑

Pharma_Monthly_Sales.csv

Last Accessed
9/25/2022, 4:20 AM

CSV ↑





3. PREPARE THE DATA

The screenshot shows a web browser window with the URL `us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessionTemp&objRef=&tid=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessi...`. The browser tabs include '* New data module' and 'IBM'. The page title is 'IBM Cognos Analytics with Watson'. A search bar is visible with the text 'Search content'. The main content area is a 'Create calculation' dialog box. The 'Name' field is 'M_data'. The 'Components' panel on the left shows a search bar and a list of components: 'Inventory Ma...dataset.zip', 'Row Id', 'Year' (selected), 'Sales', 'Stock', and 'price'. The 'Expression' field contains the text '1 month (data_)'. Below the expression field is a 'Validation Results' section with the message 'The expression is valid.'. At the bottom of the dialog box are two buttons: 'Cancel' and 'OK'. The Windows taskbar at the bottom shows the Start button, task view, and several application icons (Spotify, File Explorer, Telegram, WhatsApp, Google Chrome, and a game icon). The system tray on the right shows the language 'ENG IN', network, volume, and battery status, along with the time '06:35 PM' and date '16-11-2022'.

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessionTemp&objRef=&tid=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessi...

IBM Cognos Analytics with Watson

Create calculation

Name: M_data

Components

- Inventory Ma...dataset.zip
 - Row Id
 - Year
 - Sales
 - Stock
 - price

Expression

1 month (data_)

Validation Results

The expression is valid.

Calculate after aggregation

Cancel OK

06:35 PM 16-11-2022

New data module

IBM

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessionTemp&objRef=&tid=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessi...

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IBM Cognos Analytics with Watson

New data module

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Search content

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Create calculation

Name

Revenue

Components

Expression

14

Search

Inventory Ma...dataset.zip

M_data

Row Id

Year

Sales

Stock

price

1

venda*preco

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel

OK

Windows Taskbar

ENG IN

06:36 PM 16-11-2022

								Properties
Data module								
Search								
New data module								
Navigation paths								
Inventory M...dataset.zip								
Revenue								
M_data								
Row Id								
Year								
Sales								
Stock								
price								
Grid	Relationships	Custom tables						
Revenue	M_data	Row Id	Year	Sales	Stock	price		
0	1	1	2014-01-01	0	4972	1.29		
90.3	1	2	2014-01-02	70	4902	1.29		
76.11	1	3	2014-01-03	59	4843	1.29		
119.97	1	4	2014-01-04	93	4750	1.29		
123.84	1	5	2014-01-05	96	4654	1.29		
187.05	1	6	2014-01-06	145	4509	1.29		
230.91	1	7	2014-01-07	179	4329	1.29		
414.09000000000003	1	8	2014-01-08	321	4104	1.29		
136.25	1	9	2014-01-09	125	4459	1.09		
95.92	1	10	2014-01-10	88	5043	1.09		
204.92000000000002	1	11	2014-01-11	188	5239	1.09		
131.89000000000001	1	12	2014-01-12	121	5118	1.09		
146.06	1	13	2014-01-13	134	4984	1.09		

New data module

IBM

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IBM Cognos Analytics with Watson

New data module

Search content

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Data module

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Search

New data module

Navigation paths

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Inventory M...dataset.zip

Revenue

M_data

Row Id

Year

Sales

Stock

price

Data format

×

Column: Revenue

Format type:

Number

▼

Number of decimal places

0

×

Negative sign symbol

Default

Use thousands separator

No

▼

Negative sign position

Default

▼

Missing value characters

<empty>

Advanced options

Reset properties

Cancel

OK

Stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09
5118	1.09
4984	1.09

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New data module

IBM

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IBM Cognos Analytics with Watson

New data module

Search

New data module

Navigation paths

Inventory M...dataset.zip

Revenue

M_data

Row Id

Year

Sales

Stock

price

Data format

Column: M_data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel

OK

Properties

Stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09
5118	1.09
4984	1.09

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16-11-2022

IBM Cognos Analytics with Watson

New data module

Search

New data module

Navigation paths

Inventory M...dataset.zip

Revenue

M_data

Row Id

Year

Sales

Stock

price

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_b99fb016e5f74daa94bfa8eac5baf...

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Data format

Column: Stock

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

Stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09
5118	1.09
4984	1.09

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16-11-2022

New data module

IBM

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessionTemp&objRef=&tid=1074720901_b99fb016e5f74daa94bfa8eac5baf00_sessi...

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IBM Cognos Analytics with Watson

New data module

Search content

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Data module

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Search

New data module

Navigation paths

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Inventory M...dataset.zip

Revenue

M_data

Row Id

Year

Sales

Stock

price

Data format

×

Column: Sales

Format type: Number

Number of decimal places0

Negative sign symbolDefault

Use thousands separatorNo

Negative sign positionDefault

Missing value characters<empty>

Advanced options

Reset properties

Cancel

OK

Properties

Stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09
5118	1.09
4984	1.09

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16-11-2022



The screenshot displays the IBM Cognos Analytics interface. A 'Save as' dialog box is open in the center, allowing a user to save a new data module. The 'Name' field contains 'Inventory Module 2'. The 'Selected destination' is set to 'My content'. Below this, there are two tabs: 'My content' (active) and 'Team content'. The 'My content' tab shows a list of existing data modules and files. The list has three columns: 'Name', 'Type', and 'Last Accessed'. The entries are:

Name	Type	Last Accessed
Inventory data management	Data module	11/1/2022, 6:37 AM
Inventory Management dataset.zip	Uploaded file	11/16/2022, 6:54 AM
Inventory Module	Data module	11/1/2022, 6:52 AM
mock_kaggle.csv	Uploaded file	11/1/2022, 5:48 AM

The 'Inventory Module' entry is highlighted. At the bottom of the dialog box, there are 'Cancel' and 'Save' buttons. The background shows the IBM Cognos Analytics dashboard with a sidebar on the left containing a search bar and a list of data modules (Revenue, M_data, Row Id, Year, Sales, Stock, price). The top of the dashboard shows the IBM logo and navigation icons. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 06:45 PM on 16-11-2022.

PREPARED DATASET :

LINK - https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FInventory%2BModule%2B2