

Project Development Phase Delivery of Sprint-I

Team ID	PNT2022TMID32520
Project Name	Retail Store Stock Inventory Analytics

Sprint -1:

Data Preparation and Preprocessing

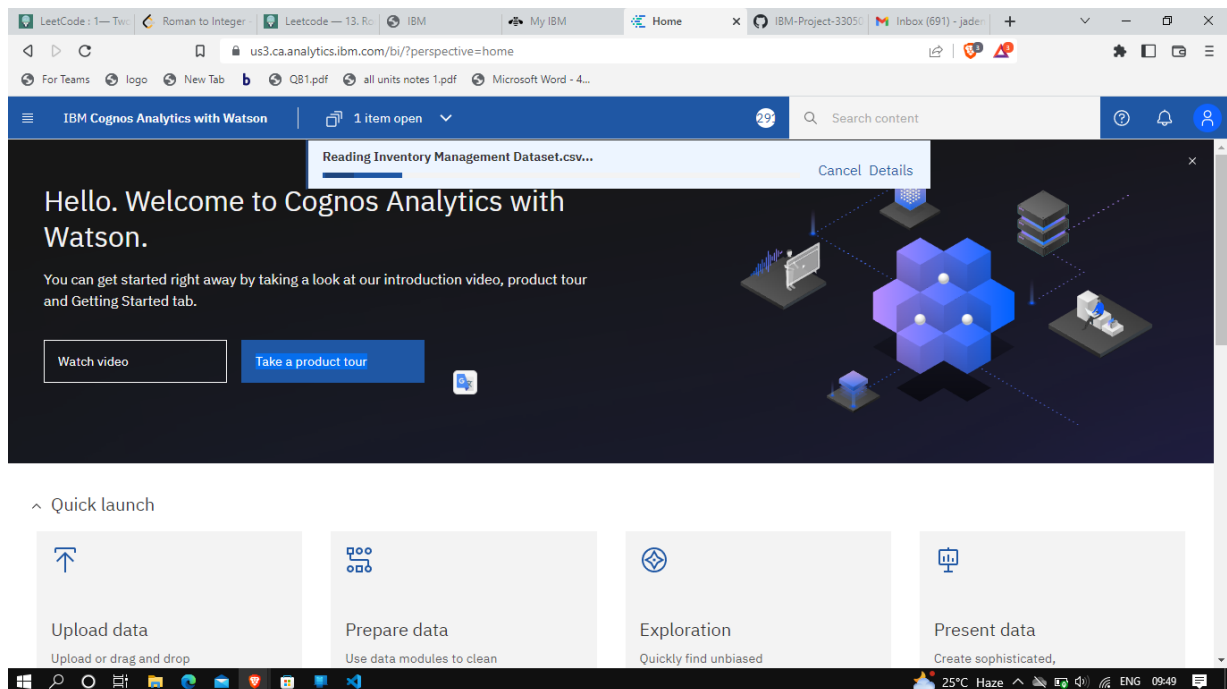
Data Collection:

Downloading the Inventory data set from kaggle as .csv file

Load the Dataset:

Tool Used : IBM Cognos

Uploading the Dataset



LeetCode : 1 — Tw... Roman to Integer LeetCode — 13. Ro IBM My IBM Home x IBM-Project-33050 Inbox (691) - jader +

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IBM Cognos Analytics with Watson 1 item open Search content

Inventory Management Dataset.csv was uploaded successfully. Hide Details

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

Quick launch

Upload data
Upload or drag and drop

Prepare data
Use data modules to clean

Exploration
Quickly find unbiased

Present data
Create sophisticated,

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Creating Data module/Preprocessing the Dataset

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Type any text to filter items in this folder

Data Modules
10/10/2022, 8:14 PM

50_Startups.csv
9/15/2022, 5:00 PM

Inventory Management Dataset.csv
11/20/2022, 9:49 AM

IPL Ball-by-Ball 2008-2020.csv
10/7/2022, 3:40 PM

IPL dashboard
10/9/2022, 8:01 PM

IPL Matches 2008-2020.csv
10/7/2022, 3:39 PM

New exploration 1 initial
9/15/2022, 5:15 PM

Olympic Events.xlsx
9/6/2022, 3:33 PM

Olympic Medals.xlsx
9/6/2022, 3:34 PM

Pharma_Monthly_Sales.csv

Type
☐ Folders
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☐ Files
☐ Data sets
☐ Modules

Modified
☒ All
☐ Today
☐ Yesterday
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☐ Past month

Cancel OK

Upload or drag and drop Use data modules to clean Quickly find unbiased Create sophisticated,

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The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane displays a tree structure for 'Inventory M...ataset.csv' with fields: # Row Id, Data(Year), Venda(Sales), Estoque(Stock), and Preco(Price). The main area shows a 'Grid' view of this data. The table has 10 rows and 5 columns. The first column is 'Row Id' (1-10), the second is 'Data(Year)' (2014-01-01 to 2014-01-10), the third is 'Venda(Sales)' (0 to 88), the fourth is 'Estoque(Stock)' (4972 to 5043), and the fifth is 'Preco(Price)' (1.29 to 1.09).

Row Id	Data(Year)	Venda(Sales)	Estoque(Stock)	Preco(Price)
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09

Creating Calculation as required

The screenshot shows the 'Edit calculation' dialog box in IBM Cognos Analytics. The 'Name' field is set to 'Month'. The 'Expression' field contains the formula: `extract(month from Data_Year)`. The 'Components' pane on the left shows the same tree structure as the first screenshot. Below the expression field, there is a 'Preview' section showing the results of the calculation. The preview table has two columns: 'Month' and 'Data(Year)'. It shows two rows, both with 'Month' set to 1 and 'Data(Year)' set to 2014-01-01 and 2014-01-02 respectively.

Month	Data(Year)
1	2014-01-01
1	2014-01-02

Formatting the contents of Dataset

The screenshot shows the IBM Cognos Analytics interface. A 'Data format' dialog box is open, displaying settings for the 'Data(Year)' column. The dialog includes a 'Format type' dropdown set to 'Date', and a list of properties: 'Date separator' (set to '-'), 'Date style' (set to 'Medium'), 'Date ordering' (set to 'Day, Month, Year'), and 'Missing value characters' (set to '<empty>'). The background shows a table with columns 'estoque(Stock)' and 'Preco(Price)' and several rows of data.

Data format

Column: Data(Year)

Format type: ▼ Date

- ① Date separator × ▼ -
- ① Date style ▼ Medium
- ① Date ordering ▼ Day, Month, Year
- ① Missing value characters ▼ <empty>

Advanced options Reset properties

estoque(Stock)	Preco(Price)
972	1.29
902	1.29
843	1.29
750	1.29
654	1.29
509	1.29
329	1.29
104	1.29
459	1.09
043	1.09
239	1.09