

Project Development Phase
Delivery of Sprint-1

Team ID	PNT2022TMID38670
Date	5 Nov 2022
Project Name	Retail Store Stock Inventory Analytics

Project Development Phase:

Sprint-1:

Data Collection

Data Preparation

Sprint-2:

Data Exploration

Sprint-3:

Dashboard Creation

Sprint-4:

Report Creation

Story Creation

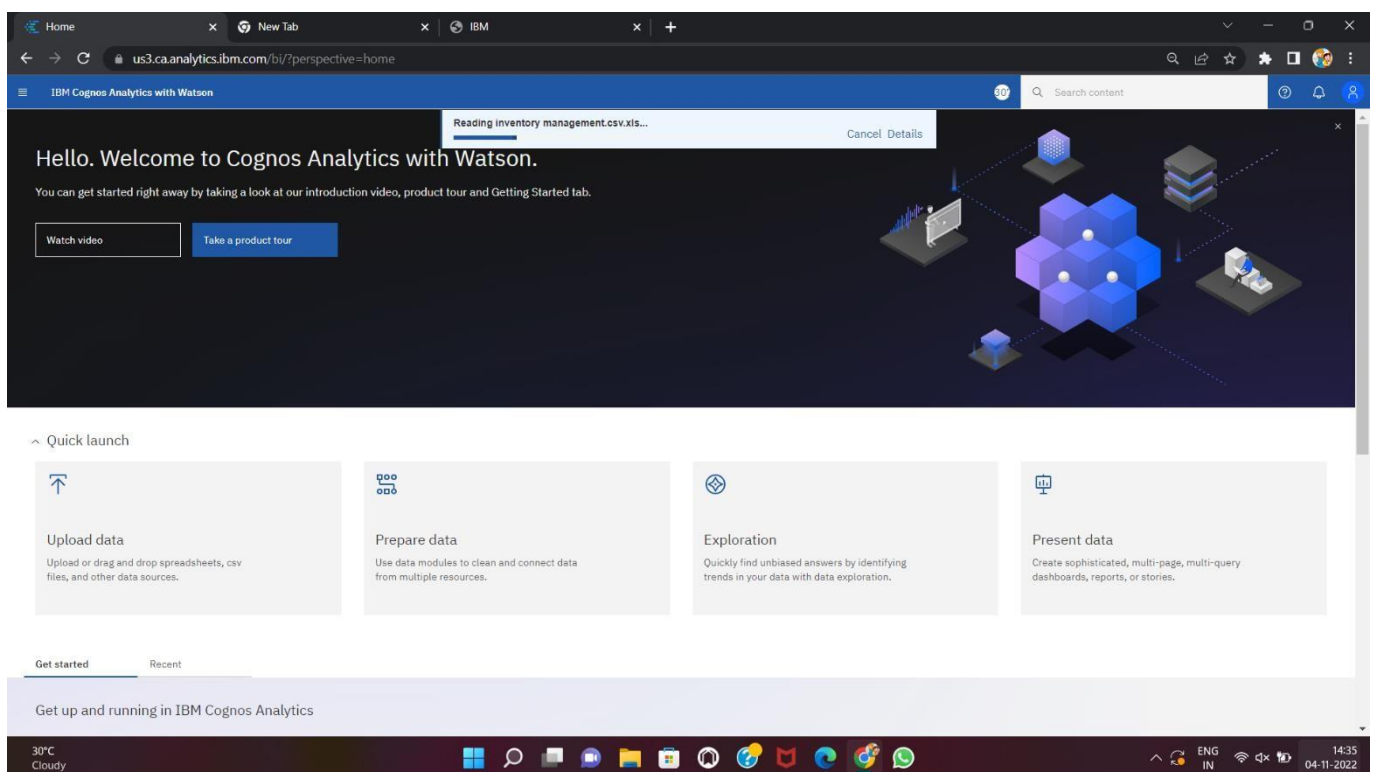
DATA COLLECTION :

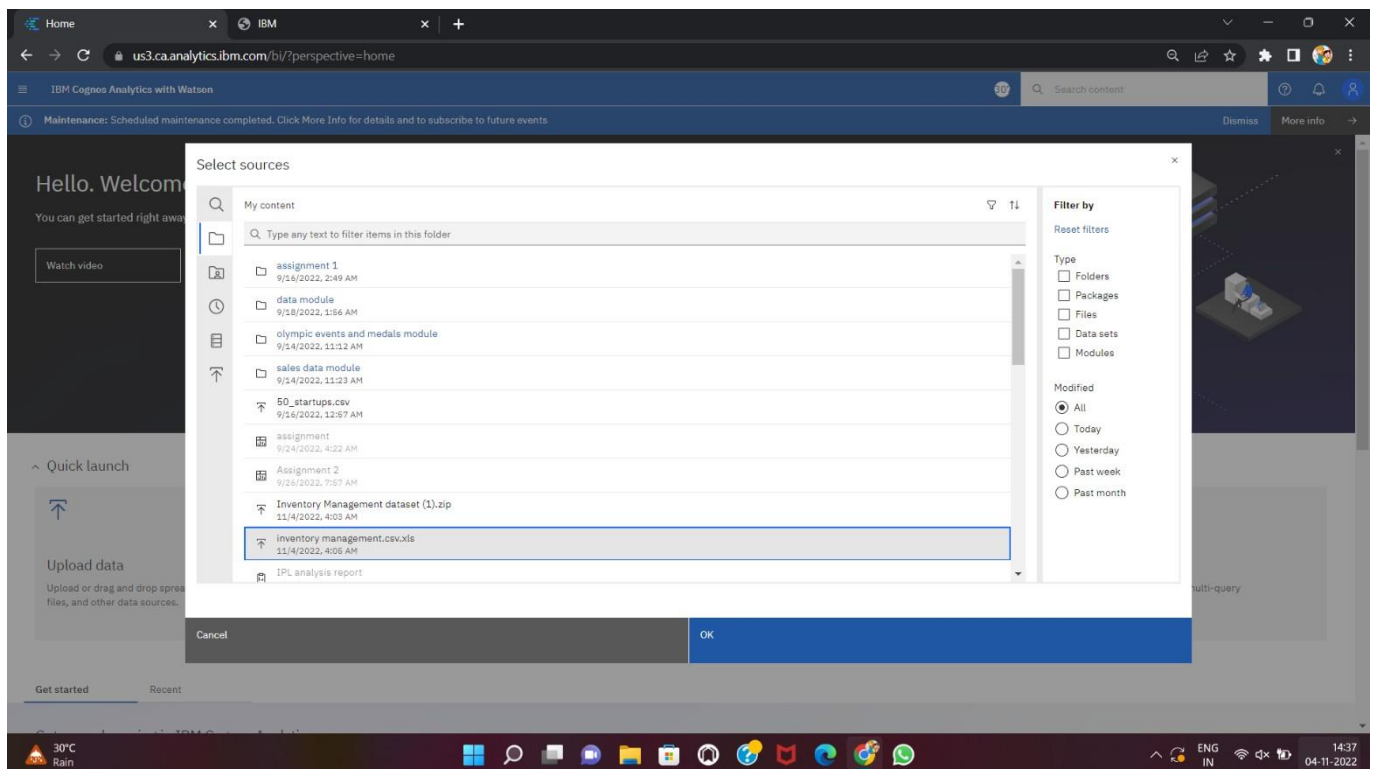
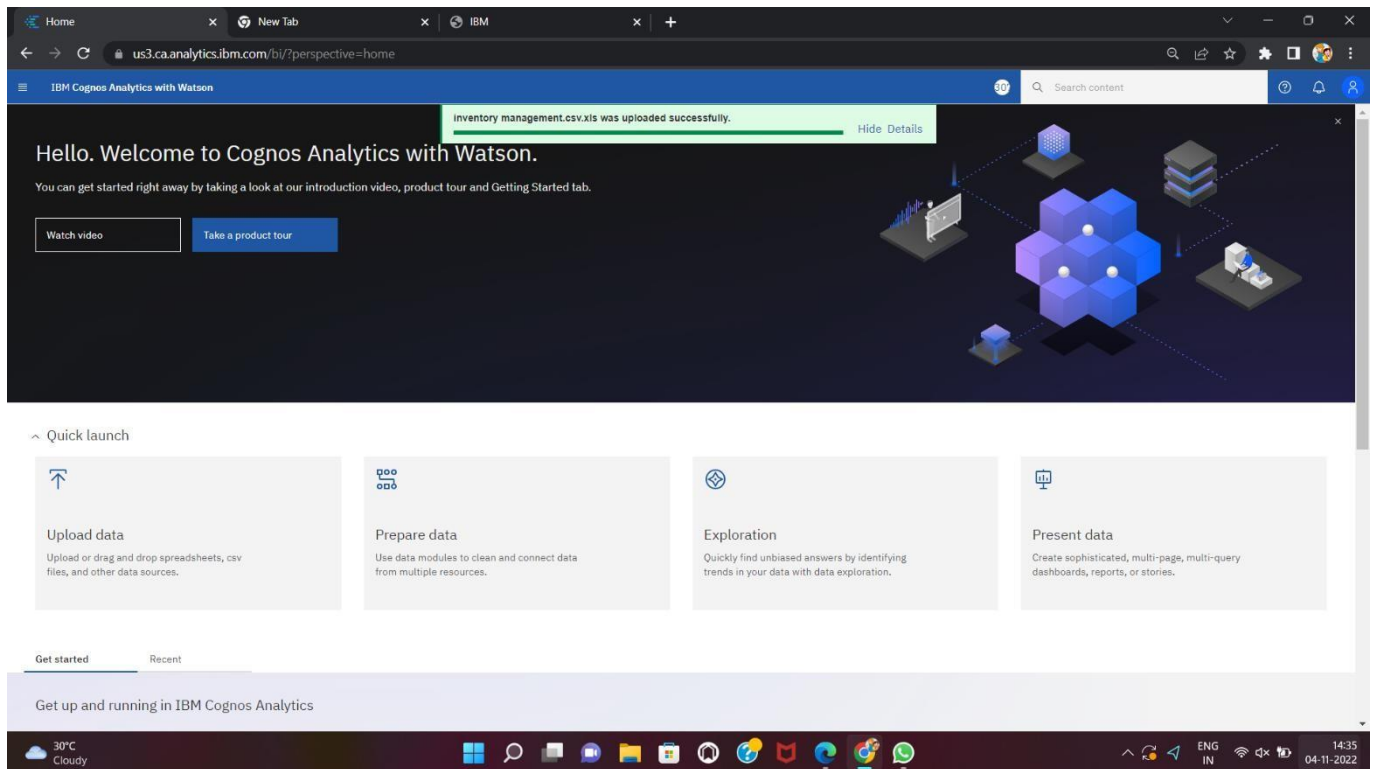
Download the Dataset

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

LOAD THE DATASET:

Tool used – IBM Cognos





MONTH DATA CALCULATION:

The screenshot shows the 'Create calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'Month data'. The 'Components' pane on the left shows a tree structure with 'data' selected. The 'Expression' field contains the formula: `1 Month [data_]`. The 'Preview' section shows a table with two columns: 'Month data' and 'data'. The table contains two rows of data.

Month data	data
1	2014-01-01
2	2014-02-01

At the bottom, there is a checkbox for 'Calculate after aggregation' and buttons for 'Cancel' and 'OK'.

SALES CALCULATION:

The screenshot shows the 'Create calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'Sales'. The 'Components' pane on the left shows a tree structure with 'Sales' selected. The 'Expression' field contains the formula: `1 IF (venda = 0) THEN (median (venda)) ELSE (venda)`. The 'Preview' section shows a table with two columns: 'Sales' and 'Sales'. The table contains two rows of data.

Sales	Sales
76	0
70	70

At the bottom, there is a checkbox for 'Calculate after aggregation' and buttons for 'Cancel' and 'OK'.

STOCK CALCULATION:

Create calculation

Name: Stock

Expression: 1 IF (venda = 0) THEN (median (venda)) ELSE {venda }

Components:

- inventory ma...ent.csv.xls
 - Sales
 - # Month data
 - # Row Id
 - data
 - Sales
 - Stock
 - Price

Preview (Execution time: 1.115 seconds)

Stock	Sales
76	0
70	70

☐ Calculate after aggregation

Cancel OK

SALES:

Data module

Grid Relationships Custom tables

Sales	Month data	Row Id	data	Sales	Stock	Price
76	1	1	2014-01-01	0	4972	1.29
70	2	2	2014-02-01	70	4902	1.29
59	3	3	2014-03-01	59	4843	1.29
93	4	4	2014-04-01	93	4750	1.29
96	5	5	2014-05-01	96	4654	1.29
145	6	6	2014-06-01	145	4509	1.29
179	7	7	2014-07-01	179	4329	1.29
321	8	8	2014-08-01	321	4104	1.29
125	9	9	2014-09-01	125	4459	1.09
88	10	10	2014-10-01	88	5043	1.09
188	11	11	2014-11-01	188	5239	1.09
121	12	12	2014-12-01	121	5118	1.09
134	1	13	2014-01-13	134	4984	1.09
80	1	14	2014-01-14	80	4904	1.09
82	1	15	2014-01-15	82	4822	1.09
94	1	16	2014-01-16	94	4728	1.19
159	1	17	2014-01-18	159	4464	1.19
199	1	18	2014-01-19	199	4265	1.19
104	1	19	2014-01-20	104	4161	1.19

STOCK:

IBM

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=i3017b63EABFF47DEAE0BF3436D52C7B1&objRef=i3017b63EABFF47DEAE0BF3436D52C7B1&tid=3370522320_2827297f5dc7...

IBM Cognos Analytics with Watson

SPRINT 1

Search content

Properties

Data module

SPRINT 1

Navigation paths

inventory_m...ent.csv.xls

Sales

Month data

Row Id

data

Sales

Stock

Price

Grid

Relationships

Custom tables

T1	Sales	Month data	Row Id	data	Sales	Stock	Price
76	1	1	2014-01-01	0	4972	1.29	
70	2	2	2014-02-01	70	4902	1.29	
59	3	3	2014-03-01	59	4843	1.29	
93	4	4	2014-04-01	93	4750	1.29	
96	5	5	2014-05-01	96	4654	1.29	
145	6	6	2014-06-01	145	4509	1.29	
179	7	7	2014-07-01	179	4329	1.29	
321	8	8	2014-08-01	321	4104	1.29	
125	9	9	2014-09-01	125	4459	1.09	
88	10	10	2014-10-01	88	5043	1.09	
188	11	11	2014-11-01	188	5239	1.09	
121	12	12	2014-12-01	121	5118	1.09	
134	1	13	2014-01-13	134	4984	1.09	
80	1	14	2014-01-14	80	4904	1.09	
82	1	15	2014-01-15	82	4822	1.09	
94	1	16	2014-01-16	94	4728	1.19	
159	1	17	2014-01-18	159	4464	1.19	
199	1	18	2014-01-19	199	4265	1.19	
104	1	19	2014-01-20	104	4161	1.19	

30°C Cloudy

Windows Taskbar

System Tray

PRICE:

IBM

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i3017B63EABFF47DEAE0BF3436D52C7B1&objRef=i3017B63EABFF47DEAE0BF3436D52C7B1&tid=3370522320_2827297f5dc7...

IBM Cognos Analytics with Watson

SPRINT 1

Search content

Properties

Data module

SPRINT 1

Navigation paths

inventory_m...ent.csv.xls

Sales

Month data

Row Id

data

Sales

Stock

Price

Grid

Relationships

Custom tables

T1	Sales	Month data	Row Id	data	Sales	Stock	Price
76	1	1	2014-01-01	0	4972	1.29	
70	2	2	2014-02-01	70	4902	1.29	
59	3	3	2014-03-01	59	4843	1.29	
93	4	4	2014-04-01	93	4750	1.29	
96	5	5	2014-05-01	96	4654	1.29	
145	6	6	2014-06-01	145	4509	1.29	
179	7	7	2014-07-01	179	4329	1.29	
321	8	8	2014-08-01	321	4104	1.29	
125	9	9	2014-09-01	125	4459	1.09	
88	10	10	2014-10-01	88	5043	1.09	
188	11	11	2014-11-01	188	5239	1.09	
121	12	12	2014-12-01	121	5118	1.09	
134	1	13	2014-01-13	134	4984	1.09	
80	1	14	2014-01-14	80	4904	1.09	
82	1	15	2014-01-15	82	4822	1.09	
94	1	16	2014-01-16	94	4728	1.19	
159	1	17	2014-01-18	159	4464	1.19	
199	1	18	2014-01-19	199	4265	1.19	
104	1	19	2014-01-20	104	4161	1.19	

30°C Cloudy

Windows Taskbar Icons

15:15 04-11-2022

STOCK FORMAT DATA:

The screenshot shows the IBM Cognos Analytics interface. A 'Data format' dialog box is open for the 'Stock' column. The dialog has the following settings:

- Column: Stock
- Format type: Number
- Number of decimal places: Default
- Negative sign symbol: Default
- Use thousands separator: No
- Negative sign position: Default
- Missing value characters: <empty>

The background shows a data grid with columns for Sales, Price, and various dates. The Windows taskbar at the bottom shows the date as 04-11-2022 and the time as 15:15.

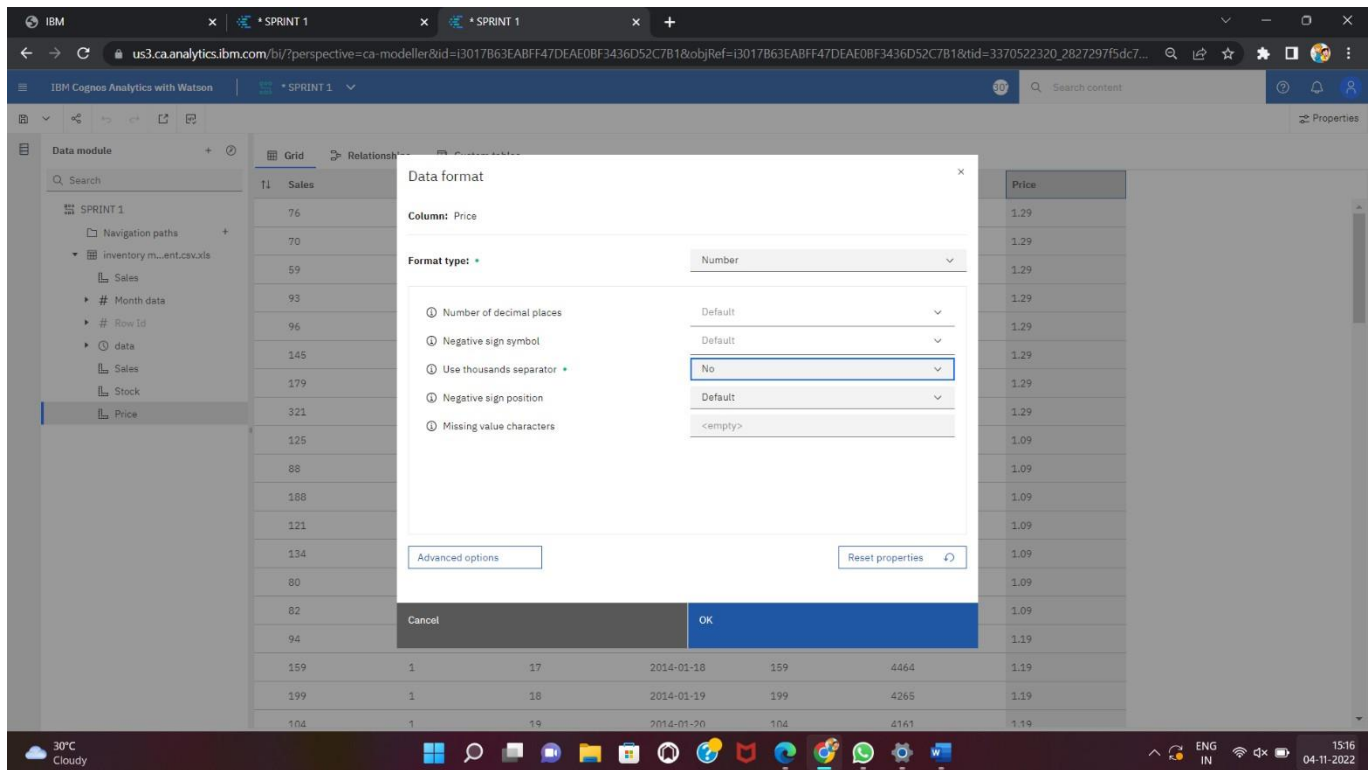
SALES FORMAT DATA:

The screenshot shows the IBM Cognos Analytics interface. A 'Data format' dialog box is open for the 'Sales' column. The dialog has the following settings:

- Column: Sales
- Format type: Number
- Number of decimal places: Default
- Negative sign symbol: Default
- Use thousands separator: No
- Negative sign position: Default
- Missing value characters: <empty>

The background shows a data grid with columns for Sales, Price, and various dates. The Windows taskbar at the bottom shows the date as 04-11-2022 and the time as 15:16.

PRICE FORMAT DATA:



PREPARED DATASET LINK:

https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i3017B63EABFF47DEAE0BF3436D52C7B1&objRef=i3017B63EABFF47DEAE0BF3436D52C7B1&tid=3370522320_2827297f5dc7459cb4083c3abbe96f08_sessionTemp