

## Project Development Phase Sprint-1

Date	25 October 2022
Team ID	PNT2022TMID36407
Project Name	Retail Store Stock Inventory Analytics.

### Task-1:

#### Download the dataset:

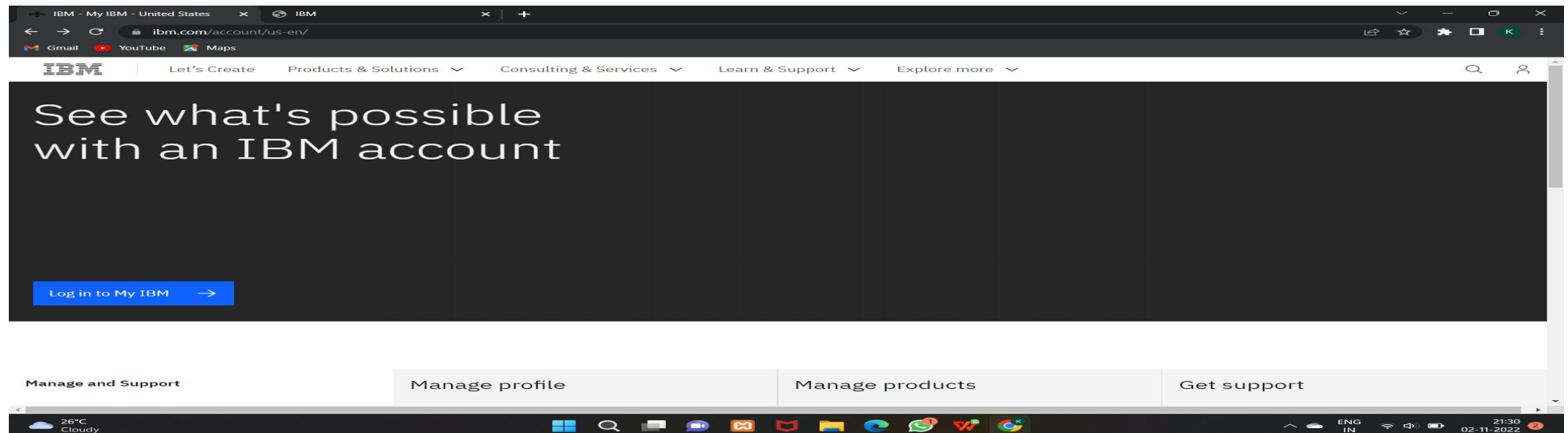
The dataset has been download and the driver link as given:

[https://drive.google.com/file/d/1B4PURKMubm\\_qF692CeObJk7ZojklbKYU/view?usp=share\\_link](https://drive.google.com/file/d/1B4PURKMubm_qF692CeObJk7ZojklbKYU/view?usp=share_link)

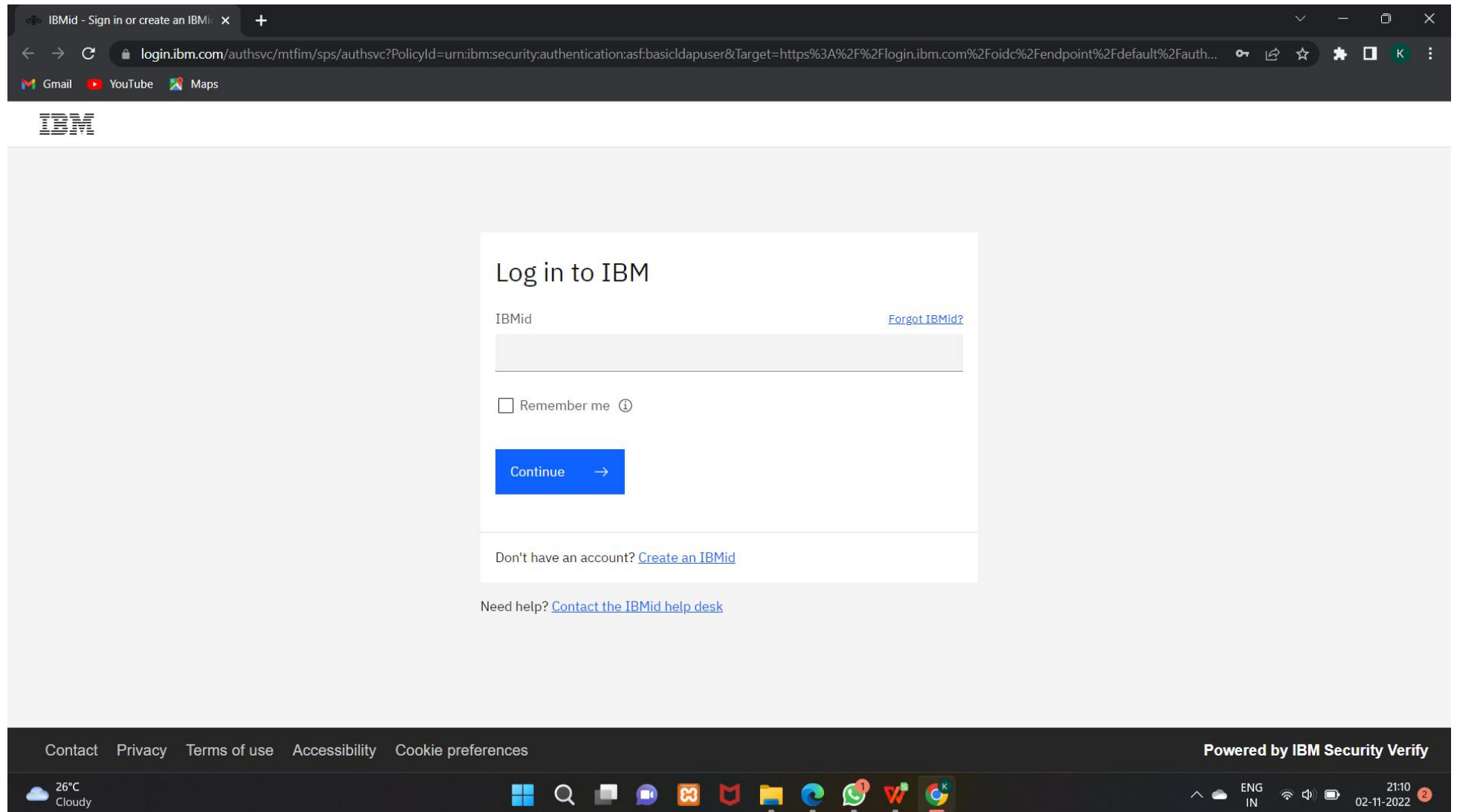
### Task-2:

#### Login:

In the IBM Cognos for visualization.



User using email and password to login the IBM cognos account.



The screenshot shows a web browser window with the address bar displaying the URL: `login.ibm.com/authsvc/mtfim/sps/authsvc?PolicyId=urn:ibm:security:authentication:asf:basicdapuser&Target=https%3A%2F%2Flogin.ibm.com%2Foidc%2Fendpoint%2Fdefault%2Fauth...`. The browser's address bar also shows the text "IBMid - Sign in or create an IBMi" and a plus sign for additional tabs. Below the address bar, there are links for Gmail, YouTube, and Maps. The main content area of the browser shows the IBM logo at the top left. In the center, there is a white box titled "Log in to IBM". Inside this box, there is a label "IBMid" followed by a text input field. To the right of the input field is a link "Forgot IBMid?". Below the input field is a checkbox labeled "Remember me" with an information icon. At the bottom of the box is a blue button labeled "Continue" with a right-pointing arrow. Below the box, there is a link "Don't have an account? Create an IBMid". At the very bottom of the page, there is a link "Need help? Contact the IBMid help desk". The footer of the browser window contains links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Cookie preferences". On the right side of the footer, it says "Powered by IBM Security Verify". The Windows taskbar at the bottom shows the date and time as "21:10 02-11-2022" and the temperature as "26°C Cloudy".

IBMid - Sign in or create an IBMi

login.ibm.com/authsvc/mtfim/sps/authsvc?PolicyId=urn:ibm:security:authentication:asf:basicdapuser&Target=https%3A%2F%2Flogin.ibm.com%2Foidc%2Fendpoint%2Fdefault%2Fauth...

Gmail YouTube Maps

IBM

### Log in to IBM

IBMid [Forgot IBMid?](#)

☐ Remember me ⓘ

Continue →

Don't have an account? [Create an IBMid](#)

Need help? [Contact the IBMid help desk](#)

Contact Privacy Terms of use Accessibility Cookie preferences

Powered by IBM Security Verify

26°C Cloudy

21:10 02-11-2022

### Task-3:

## Working with the dataset:

## 1. Understanding the dataset:

WPS Office

mock\_kaggle.csv

Free Trial

Menu

FileEditViewInsertPage LayoutFormulasDataReviewViewToolsSmart Toolbox

Click to find commands

Format Painter

General

Conditional Formatting

Format as Table

Cell Style

AutoSum

AutoFilter

Sort

Fill

Format

Rows and Columns

Worksheet

Freeze Panes

Find Repl

A1

data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	data	venda	estoque	preco																
2	01-01-2014	0	4972	1.29																
3	02-01-2014	70	4902	1.29																
4	03-01-2014	59	4843	1.29																
5	04-01-2014	93	4750	1.29																
6	05-01-2014	96	4654	1.29																
7	06-01-2014	145	4509	1.29																
8	07-01-2014	179	4329	1.29																
9	08-01-2014	321	4104	1.29																
10	09-01-2014	125	4459	1.09																
11	10-01-2014	88	5043	1.09																
12	11-01-2014	188	5239	1.09																
13	12-01-2014	121	5118	1.09																
14	13-01-2014	134	4984	1.09																
15	14-01-2014	80	4904	1.09																
16	15-01-2014	82	4822	1.09																
17	16-01-2014	94	4728	1.19																
18	18-01-2014	159	4464	1.19																
19	19-01-2014	199	4265	1.19																
20	20-01-2014	104	4161	1.19																
21	21-01-2014	70	4091	1.19																
22	22-01-2014	127	3964	1.09																
23	23-01-2014	96	3868	1.09																
24	24-01-2014	75	3793	1.09																
25	25-01-2014	198	3595	1.09																
26	26-01-2014	168	3427	1.09																
27	27-01-2014	125	3302	1.09																
28	28-01-2014	86	3216	1.09																
29	29-01-2014	222	2994	0.99																
30	30-01-2014	272	2723	0.99																

mock\_kaggle

26°C Cloudy

Windows Taskbar

21:09 02-11-2022

## 2. Upload the dataset:

- Loading the dataset by click the upload data.

My IBM Home IBM

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

Gmail YouTube Maps

IBM Cognos Analytics with Watson

30% Search content

# 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 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.

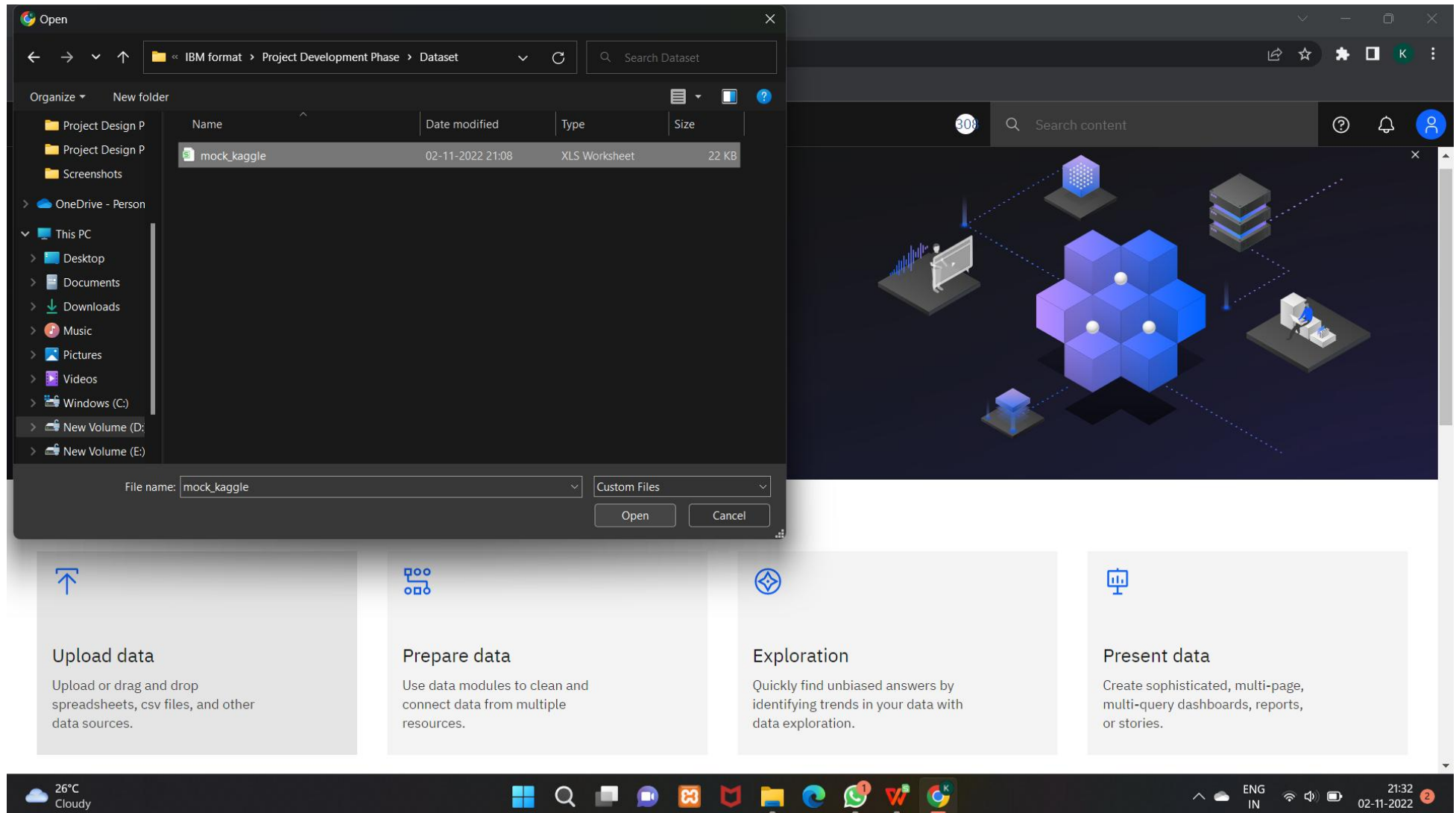
#### Present data

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

26°C Cloudy

ENG IN 21:31 02-11-2022

- Then select the file where your dataset download and click ok.



- Then the dataset is finish uploading.

The screenshot shows a web browser window with the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The page header includes "IBM Cognos Analytics with Watson" and a search bar. A green notification box at the top center states "mock\_kaggle.csv was uploaded successfully." with a "Hide Details" link. The main content area features a large blue cube graphic and a welcome message: "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." Below this are two buttons: "Watch video" and "Take a product tour".

Below the main content area is a "Quick launch" section with four cards:

- 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.

The bottom of the image shows a Windows taskbar with the date and time "21:32 02-11-2022" and system status icons.

### 3. Prepare the dataset:

- Then check the dataset in data module.

The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1767109369\\_f98f54d7c9024aaca757a60276fa8844\\_sessionTemp&objRef=&tid=1767109369\\_f98f54d7c9024aaca757a60276fa...](https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1767109369_f98f54d7c9024aaca757a60276fa8844_sessionTemp&objRef=&tid=1767109369_f98f54d7c9024aaca757a60276fa...). The page header includes the IBM Cognos Analytics with Watson logo and a search bar. A blue banner at the top indicates that scheduled maintenance has been completed. The main content area is divided into three tabs: Grid, Relationships, and Custom tables. The Grid tab is active, showing a table with the following data:

Row Id	data	venda	estoque	preco
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
11	2014-01-11	188	5239	1.09
12	2014-01-12	121	5118	1.09

The left sidebar shows the Data module structure, including a search bar and a list of data modules: New data module, Navigation paths, mock\_kaggle.csv, # Row Id, data (selected), venda, estoque, and preco. The bottom of the screen shows a Windows taskbar with various application icons and system information, including the date 02-11-2022 and time 21:55.



- Create Calculated Field  $\text{Revenue} = \text{Data}(\text{year}) * \text{Venda}(\text{Sales}) * \text{Preco}(\text{Price})$  and set the Properties.
- Then change the format for M\_data, Year, Sales, Stock, Price.

The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include 'IBM-Project-18237-1659681636', 'IBM', 'My IBM', and '\* New data module'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The main header displays 'IBM Cognos Analytics with Watson' and a search bar. The left sidebar shows a 'Data module' panel with a search bar and a tree view containing 'New data module', 'Navigation paths', and 'mock\_kaggle.csv'. Under 'mock\_kaggle.csv', there are fields: 'M\_Data', '# Row Id', 'Year', 'Sales', 'Stock', and 'Price'. The 'Price' field is highlighted with a blue border. The main area shows a 'Grid' view of the data, which is a table with 7 columns: 'M\_Data', 'Row Id', 'Year', 'Sales', 'Stock', and 'Price'. The table contains 13 rows of data. The 'Price' column is highlighted with a blue border. The bottom of the screen shows a Windows taskbar with various icons and a system tray with the date '03-11-2022' and time '10:01'.

M_Data	Row Id	Year	Sales	Stock	Price
1	1	1/1/14	0	4972	1
1	2	1/2/14	70	4902	1
1	3	1/3/14	59	4843	1
1	4	1/4/14	93	4750	1
1	5	1/5/14	96	4654	1
1	6	1/6/14	145	4509	1
1	7	1/7/14	179	4329	1
1	8	1/8/14	321	4104	1
1	9	1/9/14	125	4459	1
1	10	1/10/14	88	5043	1
1	11	1/11/14	188	5239	1
1	12	1/12/14	121	5118	1
1	13	1/13/14	134	4984	1



- Finish preparation the save the file

IBM Project-18237-1659681636/ x IBM x My IBM x Inventory Module x +

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i069F53F353E64E7497FED3BA3D40D5B3&objRef=i069F53F353E64E7497FED3BA3D40D5B3&tid=1767109369\_5c01998472284...

IBM Cognos Analytics with Watson Inventory Module

Search content

Properties

Data module

Search

Inventory Module

Navigation paths

mock\_kaggle.csv

M\_Data

# RowId

Year

Sales

Stock

Price

Save as

Name

Inventory Module

Selected destination: Team content

My content Team content

Name	Type	Last Accessed
Calendars	Folder	10/20/2022, 9:28 PM
Get started	Folder	10/20/2022, 9:28 PM
Samples	Folder	10/20/2022, 9:28 PM
Templates	Folder	10/20/2022, 9:28 PM
The Weather Company, an IBM Business	Folder	10/20/2022, 9:28 PM

Cancel Save

1 13 1/13/14 134 4984 1

80°F Cloudy ENG IN 10:02 03-11-2022