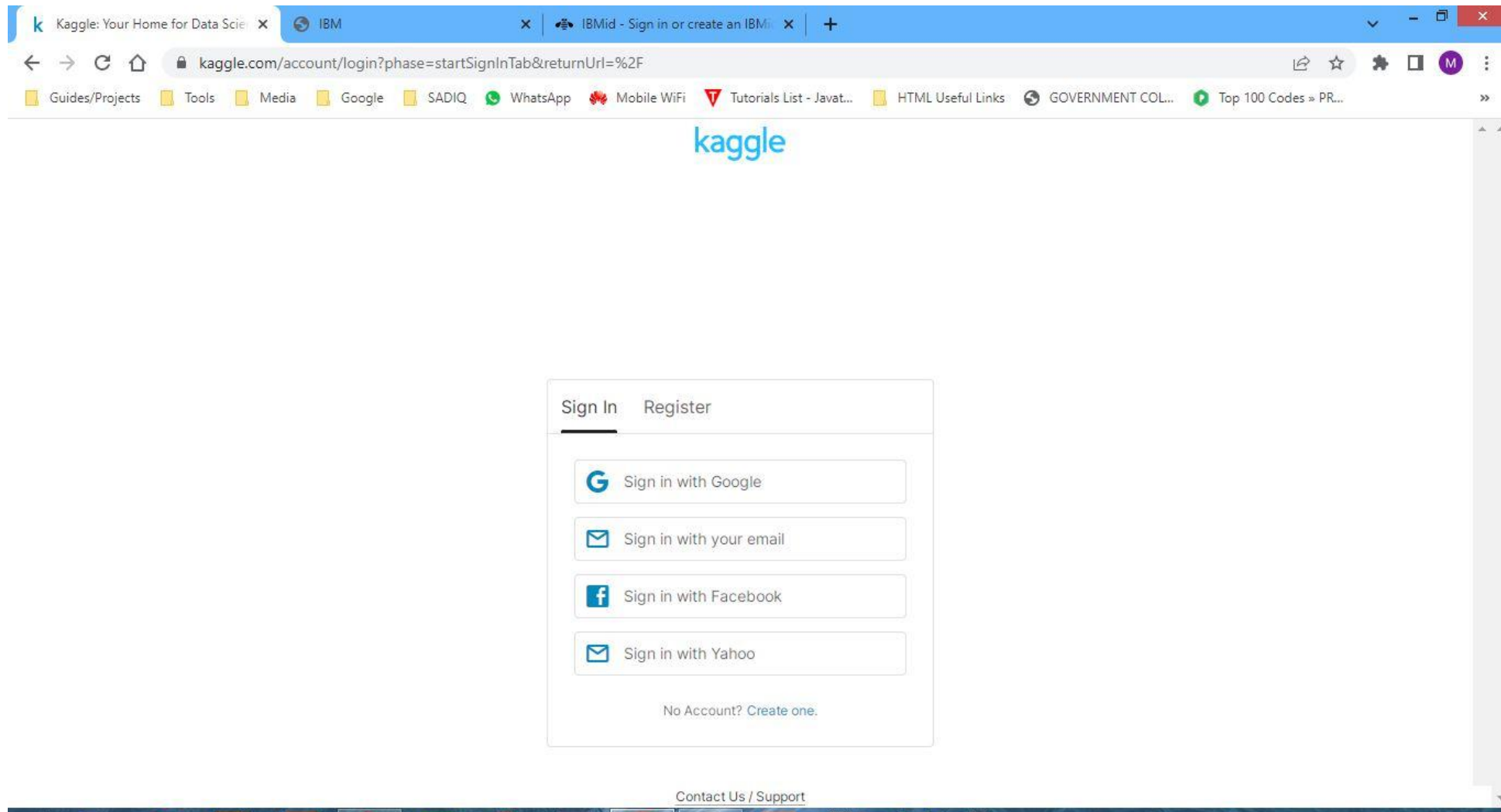


Project Development Phase
Project Development - Delivery Of Sprint-1

Date	29 October 2022
Team ID	PNT2022TMID06865
Project Name	Project - RETAIL STORE STOCK INVENTORY ANALYTICS

1. Signing in to Kaggle



2. Kaggle Homepage after signing in

The screenshot shows the Kaggle homepage in a web browser. The browser's address bar displays 'kaggle.com'. The left sidebar contains navigation links: 'Create', 'Home', 'Competitions', 'Datasets', 'Code', 'Discussions', 'Learn', 'More', 'Your Work', 'RECENTLY VIEWED' (with a link to 'Retail Sales Forecas...'), and 'View Active Events'. The main content area features a search bar and a personalized welcome message: 'Welcome, MOHAMED AQIB NISHAD M!'. Below this, a section titled 'How to start: Choose a focus for today' offers three options: 'Learn to compete on Kaggle' (with a trophy icon), 'Take a short course' (with a graduation cap icon), and 'Browse inspiring data and code' (with a magnifying glass icon). Each option includes a brief description and a 'Get started' button with a right arrow.

Kaggle: Your Home for Data Science | IBM | IBMid - Sign in or create an IBMid

Search

Welcome, MOHAMED AQIB NISHAD M!

Kaggle is the place to learn data science and build a portfolio

How to start: Choose a focus for today

Help us make relevant suggestions for you

Learn to compete on Kaggle
Improve and test your skills
[Get started](#)

Take a short course
Our courses are the fastest way to learn data science
[Get started](#)

Browse inspiring data and code
Improve your data science projects
[Get started](#)

3. Searching for retail store forecast dataset

Search | Kaggle x IBM x IBMId - Sign in or create an IBM x +

kaggle.com/search

Guides/Projects Tools Media Google SADIQ WhatsApp Mobile WiFi Tutorials List - Javat... HTML Useful Links GOVERNMENT COL... Top 100 Codes » PR...

← brazilian retail 🔍 ✕

🔍 View all results for "brazilian retail"

Datasets View all 5

Retail Sales Forecasting 5 years ago • 1 file (csv) • 6 kB • ^ 102

Proyecto 6: Capstone 4 months ago • 1 file (csv) • 1 kB • ^ 6

Notebooks View all 58

Retail sales forecasting 3 years ago • 4s to run • Python • ^ 4

Retail Case - SSL+FA 2 years ago • 1m to run • Python • ^ 13

Topics View all 1

Collating ecommerce datasets on kaggle & beyond 2 years ago • General • ^ 2

Comments View all 2

5. Retail Sales Forecasting dataset

Browser tabs: Retail Sales Forecasting | Kaggle, IBM, IBMid - Sign in or create an IBMid.

Address bar: kaggle.com/datasets/tevecsystems/retail-sales-forecasting

Navigation bar: Guides/Projects, Tools, Media, Google, SADIQ, WhatsApp, Mobile WiFi, Tutorials List - Javat..., HTML Useful Links, GOVERNMENT COL..., Top 100 Codes » PR...

Kaggle logo and sidebar navigation: Create, Home, Competitions, Datasets, Code, Discussions, Learn, More, Your Work, RECENTLY VIEWED, Retail Sales Forecas..., View Active Events

Retail Sales Forecasting

Data | Code (16) | Discussion (0) | 103 | New Notebook | Download (6 kB)

mock_kaggle.csv (22.23 kB) | Download | Full Screen | Share

Detail | Compact | Column | 4 of 4 columns

About this file
mock sales data

data	# venda	# estoque	# preco
1Jan14			
2014-01-01	0	4972	1.29
2014-01-02	70	4902	1.29
2014-01-03	59	4843	1.29

Data Explorer
Version 1 (22.23 kB)
mock_kaggle.csv

6. Download prompt for dataset

The screenshot shows a web browser window displaying a Kaggle dataset page for 'Retail Sales Forecasting'. A 'Save As' dialog box is open, showing the file name 'archive.zip' and the save type 'WinRAR ZIP archive (*.zip)'. The dialog box is positioned over the browser window, which shows the dataset details and a table of data.

Save As Dialog Box:

- Location: Desktop
- File name: archive.zip
- Save as type: WinRAR ZIP archive (*.zip)
- Buttons: Save, Cancel

Browser Window:

- Address bar: <https://www.kaggle.com/datasets/tevecsystems/retail-sales-forecasting/download?datasetVersionNumber=1>
- Dataset Name: Retail Sales Forecasting
- Version: Version 1 (22.23 kB)
- Download button: Download (6 kB)
- Table columns: data, # venda, # estoque, # preco

Table Data:

data	# venda	# estoque	# preco
2014-01-01	0	4972	1.29
2014-01-02	70	4902	1.29
2014-01-03	59	4843	1.29

7. Download archive.zip

Browser tabs: Retail Sales Forecasting | Kaggle, IBM, IBMid - Sign in or create an IBMid

Address bar: kaggle.com/datasets/tevecsystems/retail-sales-forecasting

Navigation bar: Guides/Projects, Tools, Media, Google, SADIQ, WhatsApp, Mobile WiFi, Tutorials List - Javat..., HTML Useful Links, GOVERNMENT COL..., Top 100 Codes » PR...

Kaggle logo and sidebar navigation: Create, Home, Competitions, Datasets, Code, Discussions, Learn, More, Your Work, View Active Events

Retail Sales Forecasting

Data | Code (16) | Discussion (0)

103 | New Notebook | Download (6 kB)

mock_kaggle.csv (22.23 kB)

Detail | Compact | Column | 4 of 4 columns

About this file
mock sales data

data	# venda	# estoque	# preco
2014-01-01	0	4972	1.29
2014-01-02	70	4982	1.29

archive.zip | Show all

8. Opening Kaggle Notebook and executing code - Part 1

The screenshot displays the Kaggle Notebook interface for a notebook titled 'notebooka6fae17c2d'. The browser address bar shows the URL 'kaggle.com/code/mohamedaqibnishadm/notebooka6fae17c2d/edit'. The notebook interface includes a top bar with 'Share', 'Save Version' (0), and a 'Run All' button. The main area contains a code cell with the following Python code:

```
[1]:  
# This Python 3 environment comes with many helpful analytics libraries installed  
# It is defined by the kaggle/python Docker image: https://github.com/kaggle/docker-python  
# For example, here's several helpful packages to load  
  
import numpy as np # linear algebra  
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)  
  
# Input data files are available in the read-only "../input/" directory  
# For example, running this (by clicking run or pressing Shift+Enter) will list all files under the current directory  
  
import os  
for dirname, _, filenames in os.walk('/kaggle/input'):  
    for filename in filenames:  
        print(os.path.join(dirname, filename))  
  
# You can write up to 20GB to the current directory (/kaggle/working/) that gets preserved as output when you create a run  
# You can also write temporary files to /kaggle/temp/, but they won't be saved outside of the current session  
  
/kaggle/input/retail-sales-forecasting/mock_kaggle.csv
```

The right sidebar shows the 'Data' section with a '+ Add Data' button and a list of input files: 'retail-sales-forecasting' and 'mock_kaggle.csv'. The 'Output' section shows the file path '/kaggle/working'. The 'Settings' section is expanded, showing options for 'Schedule a notebook run' and 'Code Help'. The bottom console area shows the file path '/kaggle/input/retail-sales-forecasting/mock_kaggle.csv'.

9. Opening Kaggle Notebook and executing code - Part 2

The screenshot displays the Kaggle Notebook interface for a notebook titled 'notebooka6fae17c2d'. The browser address bar shows the URL 'kaggle.com/code/mohamedaqibnishadm/notebooka6fae17c2d/edit'. The notebook interface includes a top bar with 'File', 'Edit', 'View', 'Run', 'Add-ons', and 'Help' menus. A 'Share' button and a 'Save Version' button (labeled '0') are visible. The main area shows a code cell with the following Python code:

```
data = pd.read_csv("../input/retail-sales-forecasting/mock_kaggle.csv")
data.head()
```

The output of the code is displayed as a table with 5 rows and 5 columns:

	data	venda	estoque	preco
0	2014-01-01	0	4972	1.29
1	2014-01-02	70	4902	1.29
2	2014-01-03	59	4843	1.29
3	2014-01-04	93	4750	1.29
4	2014-01-05	96	4654	1.29

The right sidebar contains sections for 'Data' (with an 'Add Data' button), 'Input' (showing 'retail-sales-forecasting' and 'mock_kaggle.csv'), 'Output (60KB / 19.5GB)' (showing '/kaggle/working'), 'Settings', 'Schedule a notebook run', and 'Code Help'. The bottom of the interface shows a 'Console' area and a file named 'archive.zip'.

10. Download prompt for Kaggle API

The screenshot shows a Kaggle notebook titled "Retail Store Forecasting | Kaggle". A "Save As" dialog box is open, allowing the user to save the notebook as a file. The dialog box shows the "Desktop" location, with the file name "retail-store-forecasting.ipynb" and the file type "IPYNB File (*.ipynb)".

The notebook interface includes a code editor with the following Python code:

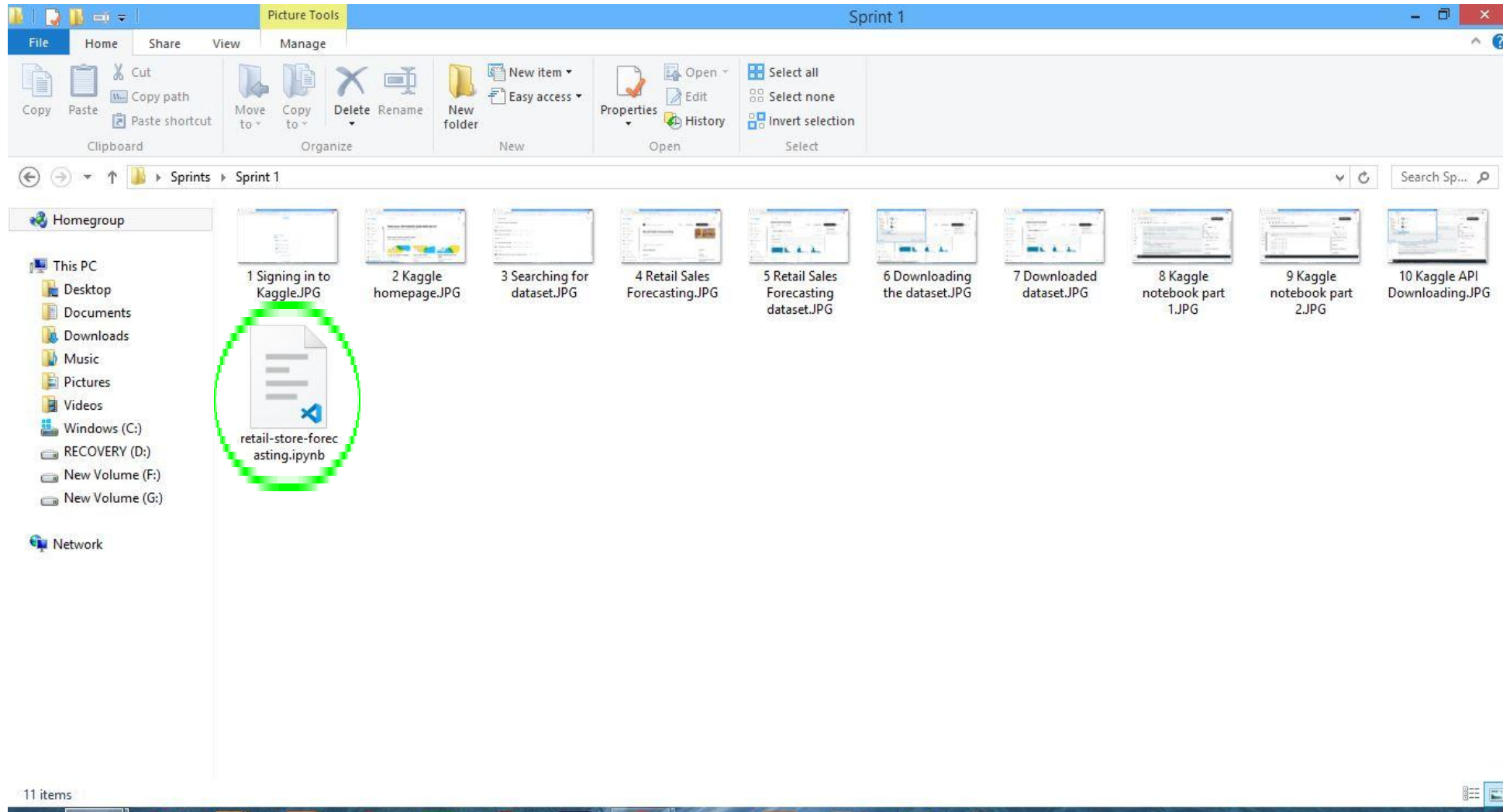
```
for dirname, _, filenames in os.walk('/kaggle/input'):
    for filename in filenames:
        print(os.path.join(dirname, filename))

# You can write up to 20GB to the current directory (/kaggle/working/) that gets preserved as output when you create a run.
# You can also write temporary files to /kaggle/temp/, but they won't be saved outside of the current session
```

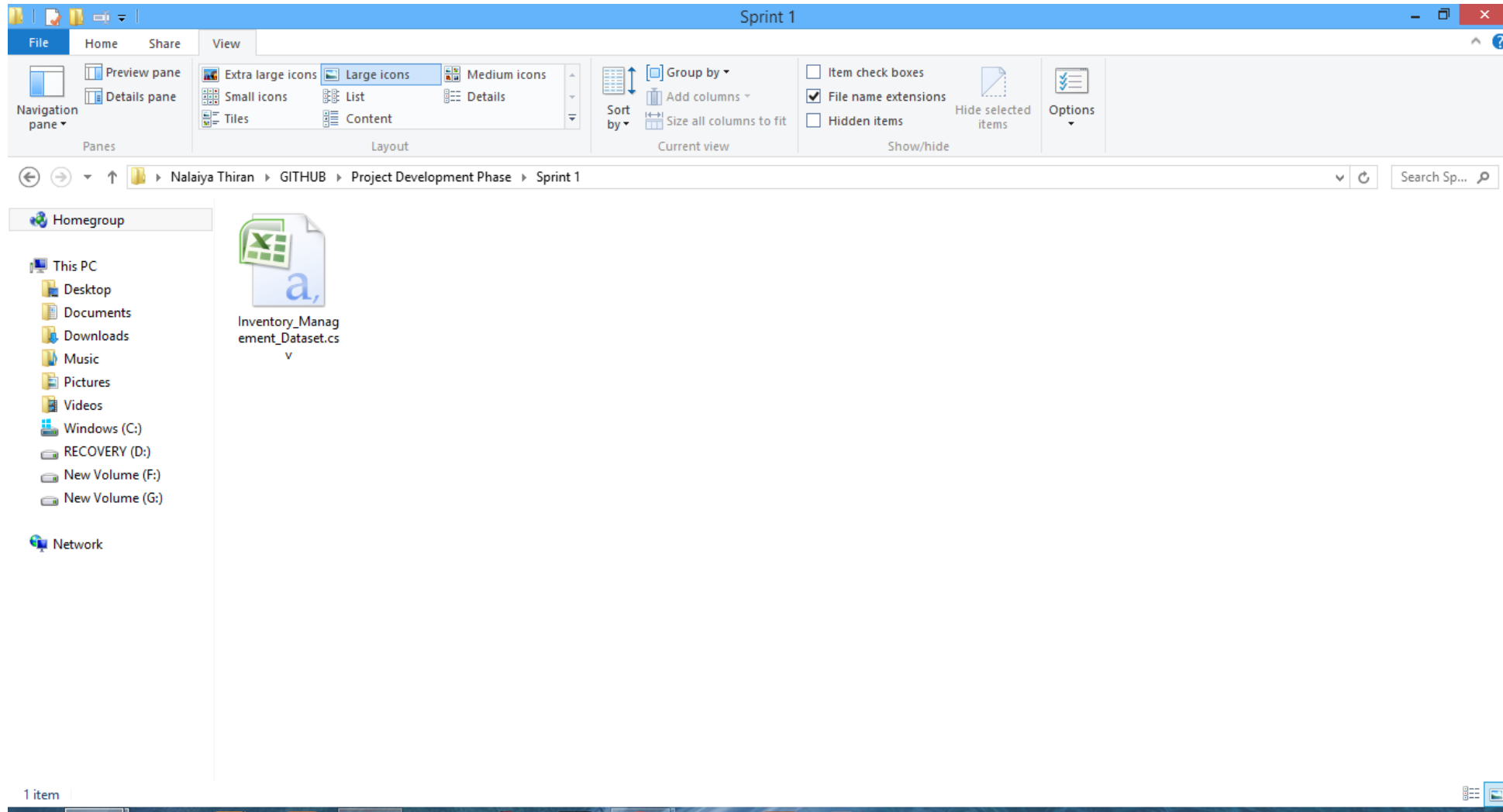
The notebook also shows a console output area at the bottom with the path `/kaggle/input/retail-sales-forecasting/mock_kaggle.csv`.

The right sidebar of the notebook shows the "Data" section with a "Add Data" button and a "Share" button. The "Input" section shows a dataset named "retail-sales-forecasting". The "Output" section shows the path `/kaggle/working`. The "Settings" section is expanded, showing options to "Schedule a notebook run" and "Code Help".

11. Downloaded API in folder



12. Downloaded Dataset in folder



13. Viewing contents of the dataset using excel

Inventory_Management_Dataset.csv - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Developer

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 A⁺ A⁻ B I U Wrap Text Merge & Center General Conditional Formatting Format as Table Cell Styles Insert Delete Format AutoSum Fill Clear Sort & Filter Find & Select

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	data	venda	estoque	preco																	
2	#####	0	4972	1.29																	
3	#####	70	4902	1.29																	
4	#####	59	4843	1.29																	
5	#####	93	4750	1.29																	
6	#####	96	4654	1.29																	
7	#####	145	4509	1.29																	
8	#####	179	4329	1.29																	
9	#####	321	4104	1.29																	
10	#####	125	4459	1.09																	
11	#####	88	5043	1.09																	
12	#####	188	5239	1.09																	
13	#####	121	5118	1.09																	
14	#####	134	4984	1.09																	
15	#####	80	4904	1.09																	
16	#####	82	4822	1.09																	
17	#####	94	4728	1.19																	
18	#####	159	4464	1.19																	
19	#####	199	4265	1.19																	
20	#####	104	4161	1.19																	
21	#####	70	4091	1.19																	
22	#####	127	3964	1.09																	
23	#####	96	3868	1.09																	
24	#####	75	3793	1.09																	
25	#####	198	3595	1.09																	

Inventory_Management_Dataset

Ready 100%

14. Visiting IBM Cognos Analytics with Watson

The screenshot shows a web browser window with the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The browser's address bar and tabs are visible at the top. Below the browser window, the IBM Cognos Analytics with Watson homepage is displayed. The page has a dark header with the title "IBM Cognos Analytics with Watson" and a search bar. The main content area features a large welcome message: "Hello. Welcome to Cognos Analytics with Watson." followed by a sub-message: "You can get started right away by taking a look at our introduction video, product tour and Getting Started tab." Below this text are two buttons: "Watch video" and "Take a product tour". To the right of the text is a large, stylized graphic of blue cubes and a server rack. Below the main content area, there is a "Quick launch" section with four tiles: "Upload data", "Prepare data", "Exploration", and "Present data". Each tile contains an icon representing its function.

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.

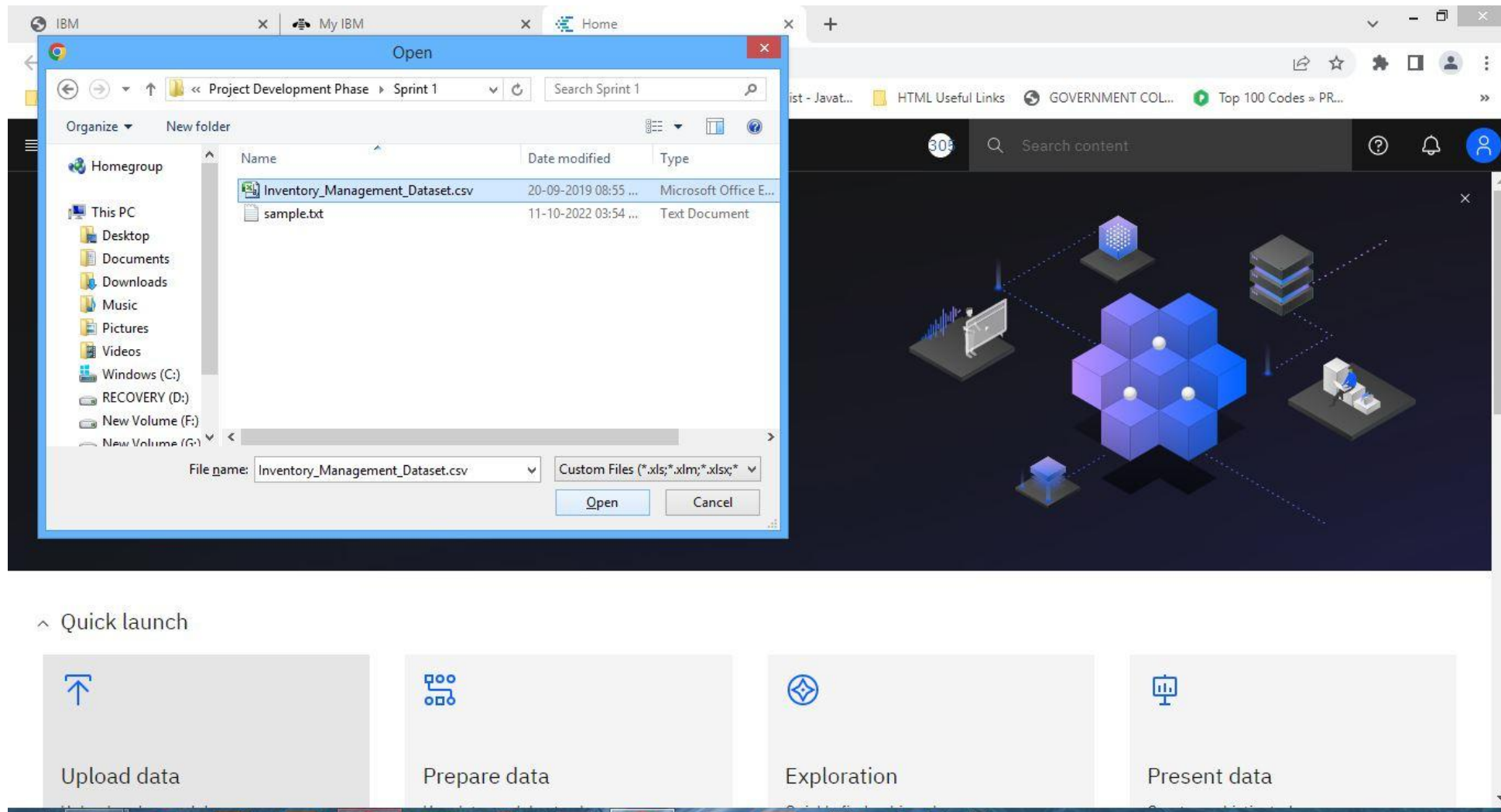
Watch video

Take a product tour

Quick launch

- Upload data
- Prepare data
- Exploration
- Present data

15. Uploading dataset to Cognos Analytics



16. Uploaded dataset progress

The screenshot displays the IBM Cognos Analytics with Watson web interface. A green oval highlights a success message: "Inventory_Management_Dataset.csv was uploaded successfully." with a "Hide Details" link. The main header includes the IBM logo, navigation tabs (My IBM, Home), a search bar, and a user profile icon. Below the header, the main content area features a welcome message: "Hello. Welcome to Cognos Analytics with Watson." followed by instructions to get started via an introduction video, product tour, or Getting Started tab. Two buttons, "Watch video" and "Take a product tour", are provided. At the bottom, a "Quick launch" section contains four tiles: "Upload data", "Prepare data", "Exploration", and "Present data". The browser's address bar shows the URL "us1.ca.analytics.ibm.com/bi/?perspective=home".

IBM Cognos Analytics with Watson

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
- Prepare data
- Exploration
- Present data

17. Preparing the dataset

The screenshot shows a web browser window with the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The browser's address bar and tabs are visible at the top. Below the browser, the IBM Cognos Analytics interface is shown. The main panel is titled "Select sources" and displays a list of files under the heading "My content". The files listed are:

- 50_Startups.csv (9/19/2022, 12:39 PM)
- 50-startup.csv (9/19/2022, 5:10 AM)
- Assignment 1 (9/19/2022, 1:32 PM)
- Assignment 3 (10/10/2022, 12:22 PM)
- Inventory_Management_Dataset.csv (11/18/2022, 5:39 PM)** (Selected)
- Pharma_Monthly_Sales.csv (9/21/2022, 10:36 AM)

On the right side of the "Select sources" panel, there is a "Filter by" section with the following options:

- Reset filters**
- Type**
 - ☐ Folders
 - ☐ Packages
 - ☐ Files
 - ☐ Data sets
 - ☐ Modules
- Modified**
 - ☒ All
 - ☐ Today
 - ☐ Yesterday
 - ☐ Past week
 - ☐ Past month

18. Creating data module for Inventory Analysis

The screenshot displays the IBM Cognos Analytics web interface. The browser tabs include 'IBM', 'My IBM', and '* New data module'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, a 'Learn More' button, a search bar, and user profile icons. Below the navigation bar, a toolbar contains icons for file operations and a 'Properties' button.

The main workspace is divided into two panels. The left panel, titled 'Data module', contains a search bar and a list of data sources. The 'Inventory_M...ataset.csv' source is selected, showing a hierarchy with 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The right panel, titled 'Grid', displays a table with 11 rows of data. The table has columns for 'Row Id', 'data', 'venda', 'estoque', and 'preco'.

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

19. Creating column M_Data

The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include 'IBM', 'My IBM', and '* New data module'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The page title is 'IBM Cognos Analytics with Watson'. The 'Create calculation' dialog is open, with the name 'M_Data' entered. The 'Components' panel on the left shows a tree structure for 'Inventory_M...Dataset.csv' with fields: '# Row Id', 'data', 'venda', 'estoque', and 'preco'. The 'Expression' field contains the formula '1 month(data_)'. The 'Information' panel at the bottom is empty.

IBM Cognos Analytics with Watson

Create calculation

Name: M_Data

Components

- Inventory_M...Dataset.csv
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Expression

1 month(data_)

Information

20. Configuring M_Data

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=957208312_2bdd028b6f0f49af82ac674ee5f013a_sessionTemp&objRef=&tid=957208312_2b...`. The interface includes a top navigation bar with the IBM logo, a search bar, and a user profile icon. Below this is a secondary navigation bar with the text "IBM Cognos Analytics with Watson" and a "Learn More" button. The main workspace is divided into three panels: "Data module", "Grid", and "Properties".

The "Data module" panel on the left shows a tree view of the data model. The "Grid" panel in the center displays a table with the following data:

	M_Data	Row Id	data	venda
1	1	1	2014-01-01	0
1	1	2	2014-01-02	70
1	1	3	2014-01-03	59
1	1	4	2014-01-04	93
1	1	5	2014-01-05	96
1	1	6	2014-01-06	145
1	1	7	2014-01-07	179
1	1	8	2014-01-08	321
1	1	9	2014-01-09	125
1	1	10	2014-01-10	88
1	1	11	2014-01-11	100

The "Properties" panel on the right shows the configuration for the "M_Data" data module. The "General" tab is selected, and the "Navigation paths" section is expanded. The properties are as follows:

- Label: M_Data
- Hide from users: ☐
- Expression: [View or edit](#)
- Usage: Attribute
- Aggregate: Count Distinct
- Data type: Integer
- Represents: Time
- Month: ☐
- Description:

21. Configuring data

The screenshot displays the IBM Cognos Analytics web interface. The browser tabs include 'IBM', 'My IBM', and '* New data module'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The top navigation bar features the 'IBM Cognos Analytics with Watson' logo, a 'Learn More' button, a search bar, and user profile icons. Below the navigation bar, the main workspace is divided into three sections: 'Data module', 'Grid', and 'Properties'.

The 'Data module' section on the left contains a search bar and a tree view of the data structure. The tree shows a 'New data module' with 'Navigation paths' and an 'Inventory_M...ataset.csv' file. Under the file, there are fields: 'M_Data', 'Row Id', 'data' (selected), 'venda', 'estoque', and 'preco'.

The 'Grid' section in the center displays a table with the following data:

↑↓	M_Data	Row Id	data	venda
1		1	2014-01-01	0
1		2	2014-01-02	70
1		3	2014-01-03	59
1		4	2014-01-04	93
1		5	2014-01-05	96
1		6	2014-01-06	145
1		7	2014-01-07	179
1		8	2014-01-08	321
1		9	2014-01-09	125
1		10	2014-01-10	88
1		11	2014-01-11	100

The 'Properties' section on the right is open to the 'General' tab. It shows configuration options for the selected 'data' field:

- Label:** data
- Hide from users:** ☐
- Expression:** [View or edit](#)
- Usage:** Attribute
- Aggregate:** Count Distinct
- Data type:** Date
- Represents:** Time
- Year:** Year
- Lookup reference:** (empty)

22. Renaming columns

The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include 'IBM', 'My IBM', and '* New data module'. The address bar shows a URL from 'us1.ca.analytics.ibm.com'. The top navigation bar includes 'IBM Cognos Analytics with Watson', a 'Learn More' button, a search bar, and user profile icons. The main interface has three tabs: 'Grid', 'Relationships', and 'Custom tables'. The 'Grid' tab is active, displaying a table with columns: 'M_Data', 'Row Id', 'Year', 'sales', 'stock', and 'price'. The 'M_Data' column is highlighted with a blue border. On the left, the 'Data module' pane shows a tree structure with 'Inventory_M...ataset.csv' expanded, and 'M_Data' selected. Below the table, a row of data is visible, showing values for each column.

	M_Data	Row Id	Year	sales	stock	price
1		1	2014-01-01	0	4972	1.29
1		2	2014-01-02	70	4902	1.29
1		3	2014-01-03	59	4843	1.29
1		4	2014-01-04	93	4750	1.29
1		5	2014-01-05	96	4654	1.29
1		6	2014-01-06	145	4509	1.29
1		7	2014-01-07	179	4329	1.29
1		8	2014-01-08	321	4104	1.29
1		9	2014-01-09	125	4459	1.09
1		10	2014-01-10	88	5043	1.09
1		11	2014-01-11	188	5228	1.09

23. Formatting M_Data

The screenshot shows the IBM Cognos Analytics web interface. A 'Data format' dialog box is open, allowing configuration for the 'M_Data' column. The dialog includes settings for format type, date separator, date style, date ordering, and missing value characters. The background shows a data table with columns 'stock' and 'price'.

Data format

Column: M_Data

Format type: • Date

① Date separator • /

① Date style • Short

① Date ordering Default

① Missing value characters <empty>

Advanced options Reset properties

stock	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
228	1.09

24. Formatting Year

The screenshot shows the IBM Cognos Analytics interface with a 'Data format' dialog box open for the 'Year' column. The dialog allows configuring the format type, date separator, date style, date ordering, and missing value characters. The background shows a data table with columns 'stock' and 'price'.

Data format

Column: Year

Format type: Date

① Date separator: /

① Date style: Short

① Date ordering: Default

① Missing value characters: <empty>

Advanced options

Reset properties

stock	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
229	1.09

25. Formatting sales

The screenshot displays the IBM Cognos Analytics web interface. A 'Data format' dialog box is open, showing configuration options for the 'sales' column. The dialog includes a 'Format type' dropdown set to 'Number' and several configuration options with their respective values: 'Number of decimal places' (0), 'Negative sign symbol' (Default), 'Use thousands separator' (No), 'Negative sign position' (Default), and 'Missing value characters' (<empty>). At the bottom of the dialog are 'Advanced options' and 'Reset properties' buttons. In the background, a table is visible with a 'price' column containing numerical values.

26. Formatting stock

The screenshot shows the IBM Cognos Analytics interface with a 'Data format' dialog box open. The dialog is titled 'Data format' and has a close button (X) in the top right corner. It displays the following settings:

- Column:** stock
- Format type:** Number (selected from a dropdown)
- Number of decimal places:** 0 (with a clear 'X' button and a dropdown arrow)
- Negative sign symbol:** Default (with a dropdown arrow)
- Use thousands separator:** No (with a dropdown arrow)
- Negative sign position:** Default (with a dropdown arrow)
- Missing value characters:** <empty>

At the bottom of the dialog, there are two buttons: 'Advanced options' and 'Reset properties' (with a circular arrow icon). The background shows the 'Data module' pane on the left with a tree view containing 'Inventory_M...ataset', 'M_Data', 'Row Id', 'Year', 'sales', 'stock', and 'price'. The 'stock' column is selected. On the right, a table preview shows a column labeled 'price' with multiple rows of the value '1'.

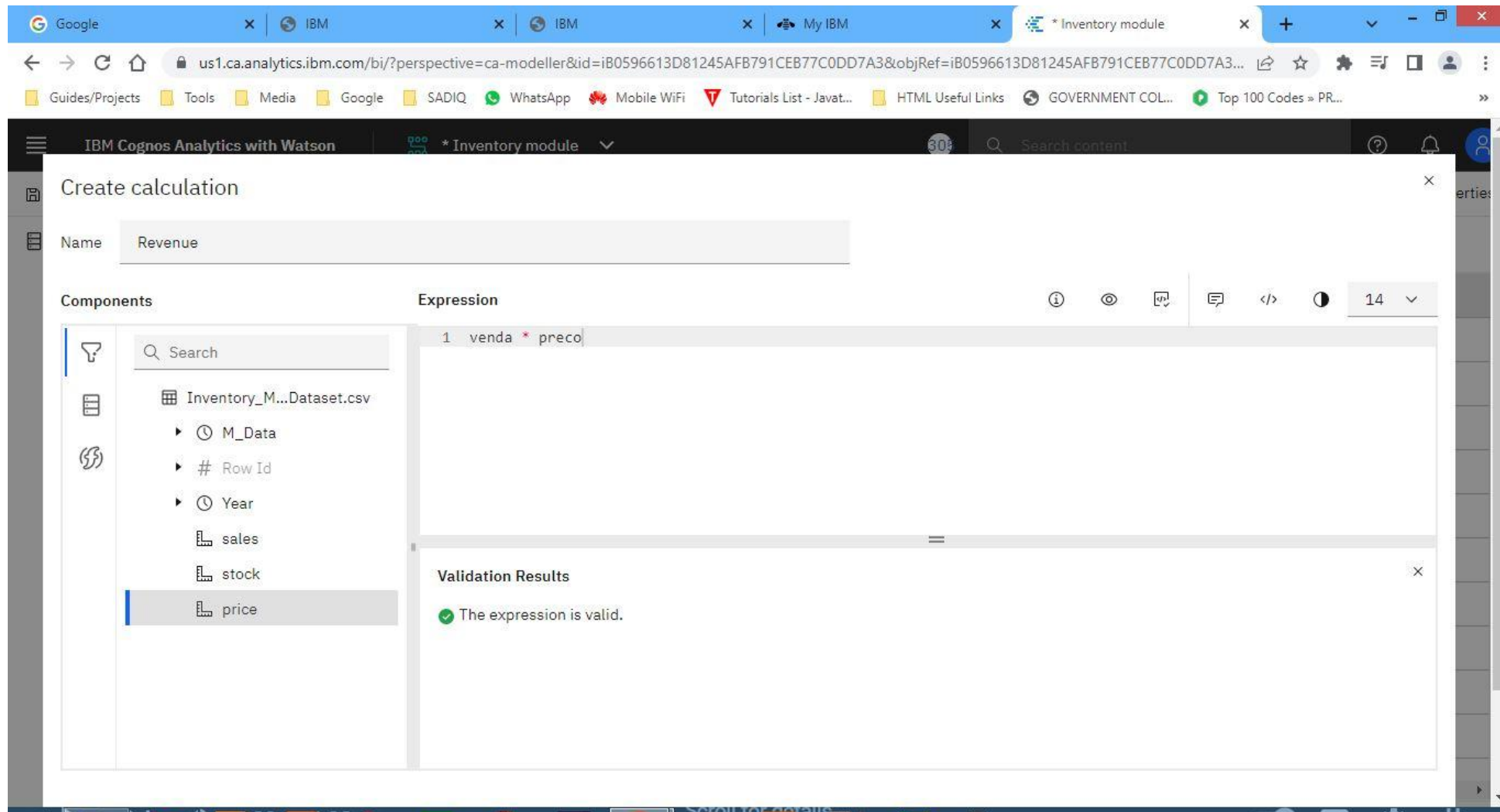
27. Formatting price

The screenshot shows the IBM Cognos Analytics interface with a 'Data format' dialog box open. The dialog is titled 'Data format' and has a close button (X) in the top right corner. It displays the following settings for the 'price' column:

- Column:** price
- Format type:** Number (selected from a dropdown menu)
- Advanced options:**
 - ① Number of decimal places: 0
 - ① Negative sign symbol: Default
 - ① Use thousands separator: No
 - ① Negative sign position: Default
 - ① Missing value characters: <empty>

At the bottom of the dialog, there are two buttons: 'Advanced options' and 'Reset properties' (with a circular arrow icon). The background shows the IBM Cognos Analytics workspace with a table containing a 'price' column and several rows of data (all showing '1'). The left sidebar shows the 'Data module' structure with 'Inventory_M...ataset' expanded, showing 'M_Data', 'Row Id', 'Year', 'sales', 'stock', and 'price'.

28. Creating column Revenue



The screenshot displays the IBM Cognos Analytics web interface. At the top, a browser window shows the URL `us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=iB0596613D81245AFB791CEB77C0DD7A3&objRef=iB0596613D81245AFB791CEB77C0DD7A3...`. The main application header includes the text "IBM Cognos Analytics with Watson" and a search bar. The "Create calculation" dialog is open, featuring a "Name" field with the value "Revenue". The "Expression" field contains the formula `1 venda * preco`. On the left, the "Components" panel lists the data source "Inventory_M...Dataset.csv" and its fields: "M_Data", "# Row Id", "Year", "sales", "stock", and "price". The "price" field is currently selected. At the bottom of the dialog, a "Validation Results" section shows a green checkmark and the message "The expression is valid."

29. Formatting Revenue

The screenshot shows the IBM Cognos Analytics interface with a 'Data format' dialog box open for the 'Revenue' column. The dialog box has a title bar 'Data format' and a close button. Below the title, it says 'Column: Revenue'. The 'Format type' is set to 'Currency'. The 'Currency' dropdown is set to 'R\$ (BRL) - Brazil, real'. The 'Currency symbol' is set to 'Default'. The 'Number of decimal places' is set to '2'. The 'Use thousands separator' is set to 'No'. The 'Currency display' is set to 'Default'. The 'Missing value characters' are set to '<empty>'. At the bottom of the dialog, there are two buttons: 'Advanced options' and 'Reset properties'.

IBM Cognos Analytics with Watson

* Inventory module

Search content

Properties

Data module

Search

Inventory module

Navigation paths

Inventory_M...ataset

Revenue

M_Data

Row Id

Year

sales

stock

price

Data format

Column: Revenue

Format type: Currency

① Currency • R\$ (BRL) - Brazil, real

① Currency symbol Default

① Number of decimal places • 2

① Use thousands separator • No

① Currency display Default

① Missing value characters <empty>

Advanced options

Reset properties

sales	stock
	4972
0	4902
9	4843
3	4750
6	4654
45	4509
79	4329
21	4104
25	4459
8	5043
00	5000

30. Prepared dataset

The screenshot displays the IBM Cognos Analytics web interface. The browser tabs include Google, IBM, My IBM, and the current page titled '* Inventory module'. The URL is us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=iB0596613D81245AFB791CEB77C0DD7A3&objRef=iB0596613D81245AFB791CEB77C0DD7A3.... The page header shows 'IBM Cognos Analytics with Watson' and the '* Inventory module' dropdown. A search bar and user profile icon are also present. The main content area is divided into a left sidebar and a central table view.

Data module sidebar:

- Inventory module
 - Navigation paths
 - Inventory_M...ataset.csv
 - Revenue (selected)
 - M_Data
 - # Row Id
 - Year
 - sales
 - stock
 - price

Table View (Grid):

Revenue	M_Data	Row Id	Year	sales	stock
R\$0.00	1	1	1/1/14	0	4972
R\$90.30	1	2	1/2/14	70	4902
R\$76.11	1	3	1/3/14	59	4843
R\$119.97	1	4	1/4/14	93	4750
R\$123.84	1	5	1/5/14	96	4654
R\$187.05	1	6	1/6/14	145	4509
R\$230.91	1	7	1/7/14	179	4329
R\$414.09	1	8	1/8/14	321	4104
R\$136.25	1	9	1/9/14	125	4459
R\$95.92	1	10	1/10/14	88	5043
R\$204.02	1	11	1/11/14	100	5220