

PROJECT DEVELOPMENT PHASE

Delivery of Sprint - 01

DATE	29 th October 2022
TEAM ID	PNT2022TMID29998
PROJECT TITLE	Retail Store Stock Inventory Analytics

SPRINT 1

- ☐ Data Collection
- ☐ Data Preparation

SPRINT – 01

□ Data Collection

(i) DOWNLOADING DATASET:

Dataset link : [Inventory Management Dataset](#)

DATA PREPARATION

Prepare the Dataset

(ii) UPLOADING DATASET

The screenshot displays the IBM Cognos Analytics with Watson user interface. At the top, a navigation bar includes the application name, a tab indicator showing '3 items open', a search bar, and user profile controls. A modal window in the center-top shows the progress of uploading a file named 'Reading RetailStoreStockInventory.csv...', with 'Cancel' and 'Details' buttons. The main content area features a welcome message and two primary action buttons: 'Watch video' and 'Take a product tour'. Below this, a 'Quick launch' section provides four distinct workflow paths, each with an icon and a brief description of the capabilities offered.

IBM Cognos Analytics with Watson

3 items open

Search content

Reading RetailStoreStockInventory.csv...

Cancel 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

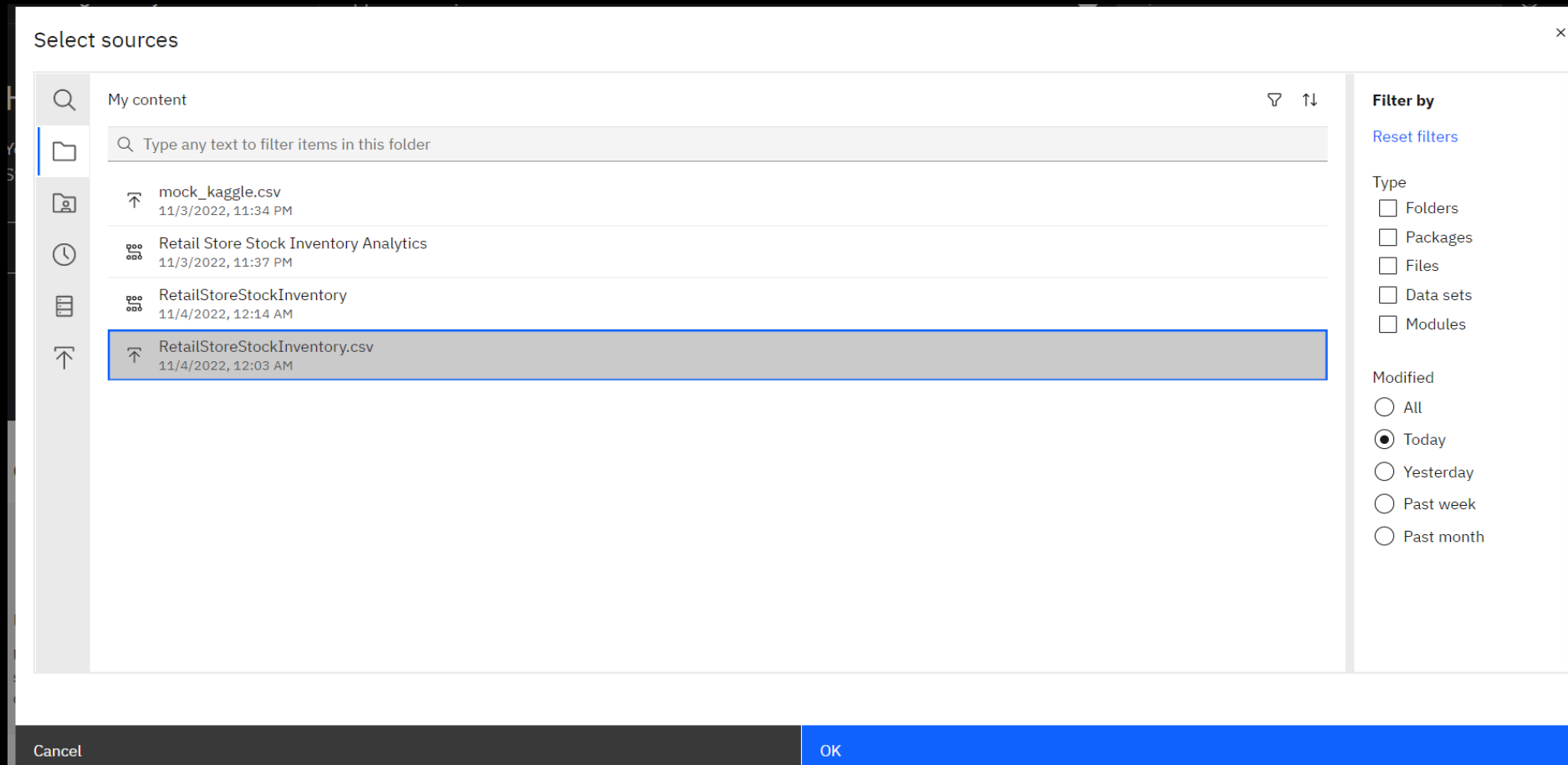
Quick launch

- Upload data**
Upload or drag and drop 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.

DATA PREPARATION

Prepare the Dataset

CHOOSING THE DATASET FOR PREPARATION



DATA PREPARATION

Month Data : Calculation Creation

Create calculation

Name

M_data

Components

Search

RetailStoreS...ventory.csv

Row Id

data

venda

estoque

preco

Expression

1 MONTH (data_)

Preview (Execution time: 1.397 seconds)

Refresh

M_data	data
1	2014-01-01
1	2014-01-02

☐ Calculate after aggregation

Cancel

OK

14

2014-01-14

80

4904

1.09

DATA PREPARATION

Formatting Month Data :

×

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

DATA PREPARATION

Formatting Year Data :

Data format

×

Column: Year

Format type:

Date

ⓘ Date separator

/

×

⌵

ⓘ Date style

Short

⌵

ⓘ Date ordering

Default

⌵

ⓘ Missing value characters

<empty>

Advanced options

Reset properties

↺

Cancel

OK

DATA PREPARATION

Formatting Sales data

Data format

Column: sales

Format type: •

Number

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>

Advanced options

Reset properties ↺

Cancel

OK

DATA PREPARATION

Formatting Stock data

Data format

×

Column: Stock

Format type: •

Number

▼

ⓘ Number of decimal places •

ⓘ Negative sign symbol

ⓘ Use thousands separator •

ⓘ Negative sign position

ⓘ Missing value characters

0

×

▼

Default

▼

No

▼

Default

▼

<empty>

Advanced options

Reset properties

↺

Cancel

OK

DATA PREPARATION

Formatting Price data

Data format

Column: price

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

View Data

▼

↶

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⌵

Data module

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Search

📁

Retail Store Story Analytics

📁

Navigation paths

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📄

RetailStoreInventory.csv

▶

🕒

M_data

▶

#

Row Id

▶

🕒

Year

📊

sales

📊

Stock

📊

price

📄

Grid

🔗

Relationships

📄

Custom tables

↑↓	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
1		14	1/14/14	80	4904	1

Properties

DATA PREPARATION

View Data

▼

↶

↷

↺

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Properties

Data module

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🕒

🔍 Search

📁 Retail Store Story Analytics

📁 Navigation paths

▼ 📄 RetailStore...ventory.csv

▶ 🕒 M_data

▶ # Row Id

▶ 🕒 Year

📊 sales

📊 Stock

📊 price

📄 Grid

🔗 Relationships

📄 Custom tables

↕	M_data	Row Id	Year	sales	Stock	price
1		16	1/16/14	94	4728	1
1		17	1/18/14	159	4464	1
1		18	1/19/14	199	4265	1
1		19	1/20/14	104	4161	1
1		20	1/21/14	70	4091	1
1		21	1/22/14	127	3964	1
1		22	1/23/14	96	3868	1
1		23	1/24/14	75	3793	1
1		24	1/25/14	198	3595	1
1		25	1/26/14	168	3427	1
1		26	1/27/14	125	3302	1
1		27	1/28/14	86	3216	1
1		28	1/29/14	222	2994	1
1		29	1/30/14	272	2723	1

DATA PREPARATION

View Data :

IBM Cognos Analytics with Watson

* Retail Store Stock ... Analytics

309

Search content

?

🔔

👤

📁

🔍

↶

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📄

Properties

Data module

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🕒

🔍 Search

Retail Store St...tory Analytics

Navigation paths

▼

RetailStore...ventory.csv

▶

🕒 M_data

▶

Row Id

▶

🕒 Year

📊 sales

📊 Stock

📊 price

📊 Grid

🔗 Relationships

📄 Custom tables

↕	M_data	Row Id	Year	sales	Stock	price
2		31	2/1/14	369	2145	1
2		32	2/2/14	217	1928	1
2		33	2/3/14	97	1831	1
2		34	2/4/14	117	1714	1
2		35	2/5/14	100	1998	1
2		36	2/6/14	64	2126	1
2		37	2/7/14	35	2091	1
2		38	2/8/14	54	2037	1
2		39	2/9/14	55	1982	1
2		40	2/12/14	8	7228	1
2		41	2/13/14	43	7185	1
2		42	2/14/14	107	7078	1
2		43	2/15/14	116	6962	1
2		44	2/16/14	87	6875	1

Inventory Module Link

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FRetail%2BStore%2Bstock%2BInventory%2BAnalytics