

# PROJECT DEVELOPMENT PHASE

## Delivery of Sprint - 01

Domain	Data Analytics
TEAM ID	PNT2022TMID08352
PROJECT TITLE	Retail Store Stock Inventory Analytics



- ❑ Data Collection
- ❑ Data Preparation

## ❑ Data Collection

(i) DOWNLOADING DATASET:

Dataset link : [Inventory Management Dataset](#)

# DATA PREPARATION

## Prepare the Dataset.

The screenshot displays the IBM Cognos Analytics with Watson user interface. At the top, a navigation bar includes the application name, a '3 items open' indicator, a search bar, and user profile controls. A central banner welcomes the user and provides links to 'Watch video' and 'Take a product tour'. A modal window titled 'Reading RetailStoreStockInventory.csv...' is open, showing a progress bar and 'Cancel'/'Details' buttons. Below the banner, a 'Quick launch' section offers four main actions: 'Upload data', 'Prepare data', 'Exploration', and 'Present data', each with a brief description of its function.

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.

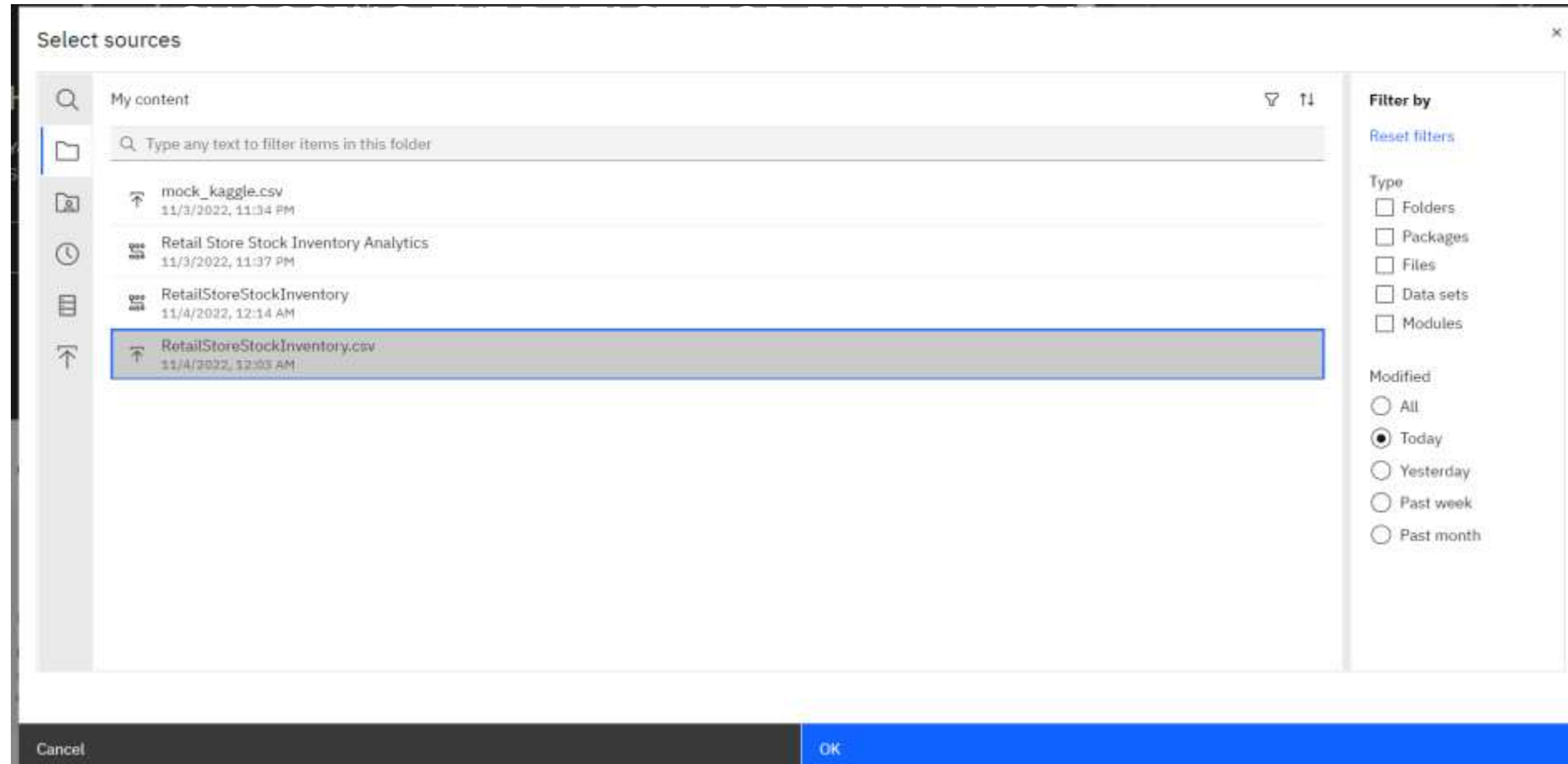
**Prepare data**  
Use data modules to clean and connect data from multiple resources.

**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



# DATA PREPARATION

## Month Data : Calculation Creation

Create calculation

Name

M\_data

Components

Search

RetailStoreS...ventory.csv

# Row Id

data

venda

estoque

preco

Expression

I: MONTH (data\_)

Preview (Execution time: 1.397 seconds)

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 ▾

① Date separator •

/ × ▾

① Date style •

Short ▾

① Date ordering

Default ▾

① Missing value characters

<empty>

Advanced options

Reset properties ↺

Cancel

OK

# DATA PREPARATION

## Formatting Year Data :

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 ↺

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

▼

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 ↺

## Formatting Price data

X

**Format type:** 



✕   ✎



<empty>



OK



## DATA PREPARATION

## View Data

<

# DATA PREPARATION

## View Data :

IBM Cognos Analytics with Watson

\* Retail Store Stock ... Analytics

30°

Search content

?

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

Data module

Search

Retail Store St...tory Analytics

Navigation paths

RetailStore...ventory.csv

M\_data

Row Id

Year

sales

Stock

price