

# PROJECT DEVELOPMENT PHASE

## Delivery of Sprint - 01

Domain	Data Analytics
TEAM ID	PNT2022TMID22973
PROJECT TITLE	Retail Store Stock Inventory Analytics



- ❑ Data Collection
- ❑ Data Preparation

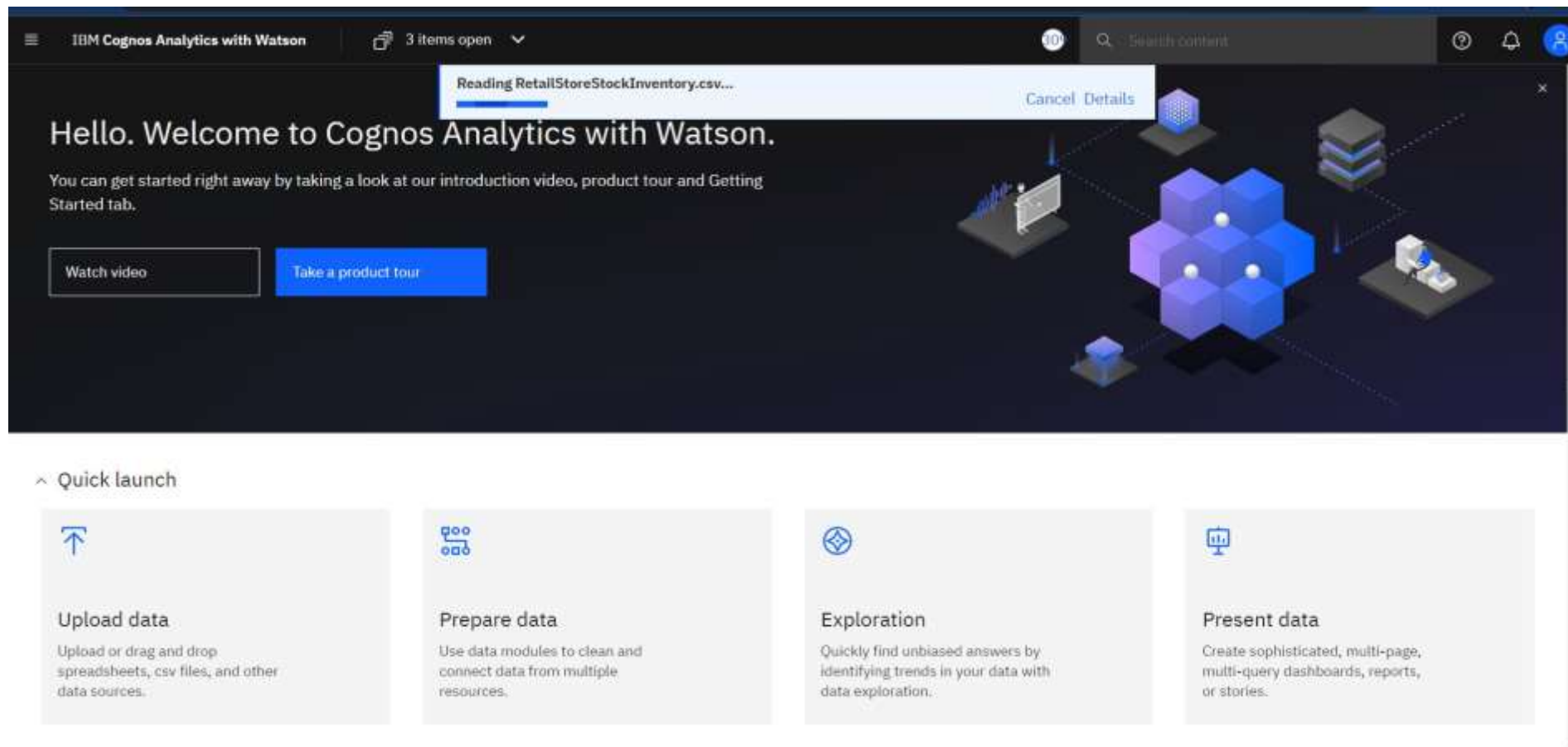
## ❑ Data Collection

(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 tab indicator showing '3 items open', a search bar, and user controls. A modal window titled 'Reading RetailStoreStockInventory.csv...' is active, featuring 'Cancel' and 'Details' buttons. The main content area has a dark theme with a welcome message: 'Hello. Welcome to Cognos Analytics with Watson.' Below this, it suggests getting started with an introduction video, product tour, or 'Getting Started' tab, accompanied by 'Watch video' and 'Take a product tour' buttons. A large, stylized graphic of interconnected cubes is visible in the background. At the bottom, a 'Quick launch' section provides four primary actions: 'Upload data' (with an upload icon), 'Prepare data' (with a data module icon), 'Exploration' (with a diamond icon), and 'Present data' (with a dashboard icon). Each action includes 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.

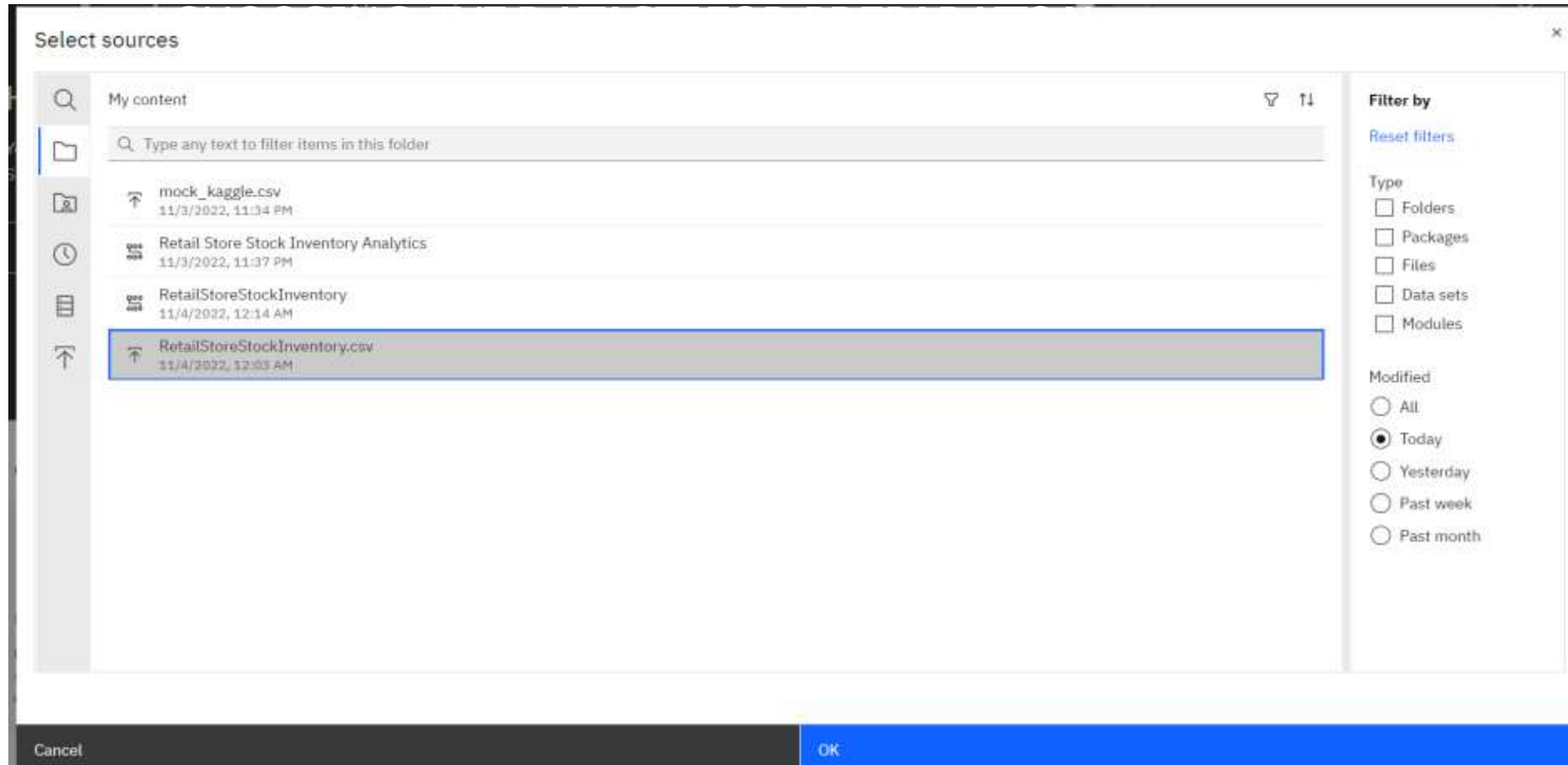
**Prepare data**  
Use data modules to clean and connect data from multiple resources.

**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

## Formatting Price data

×

**Column:** price

•

×    ✓

-

-

-

<empty>



OK

## DATA PREPARATION

## View Data

	M_data	Row Id	Year	sales	Stock	price
1	1	1	1/1/14	0	4972	1
1	1	2	1/2/14	70	4902	1
1	1	3	1/3/14	59	4843	1
1	1	4	1/4/14	93	4750	1
1	1	5	1/5/14	96	4654	1
1	1	6	1/6/14	145	4509	1
1	1	7	1/7/14	179	4329	1
1	1	8	1/8/14	321	4104	1
1	1	9	1/9/14	125	4459	1
1	1	10	1/10/14	88	5043	1
1	1	11	1/11/14	188	5239	1
1	1	12	1/12/14	121	5118	1
1	1	13	1/13/14	134	4984	1
1	1	14	1/14/14	80	4904	1

## DATA PREPARATION

## View Data

<

# DATA PREPARATION

## View Data :

IBM Cognos Analytics with Watson

\* Retail Store Stock ... Analytics

30°

Search content

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🔔

👤

📄

🔗

↶

↷

📄

🗨

Properties

Data module

🔍 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