

# Project Development Phase

## Delivery of Sprint-2

Date	29 October 2022
Team ID	PNT2022TMID28102
Project Name	Global Sales Data Analytics

## Project Development Phase:

### Sprint-1:

Registration and Data upload(completed)

### Sprint-2:

Data preprocessing

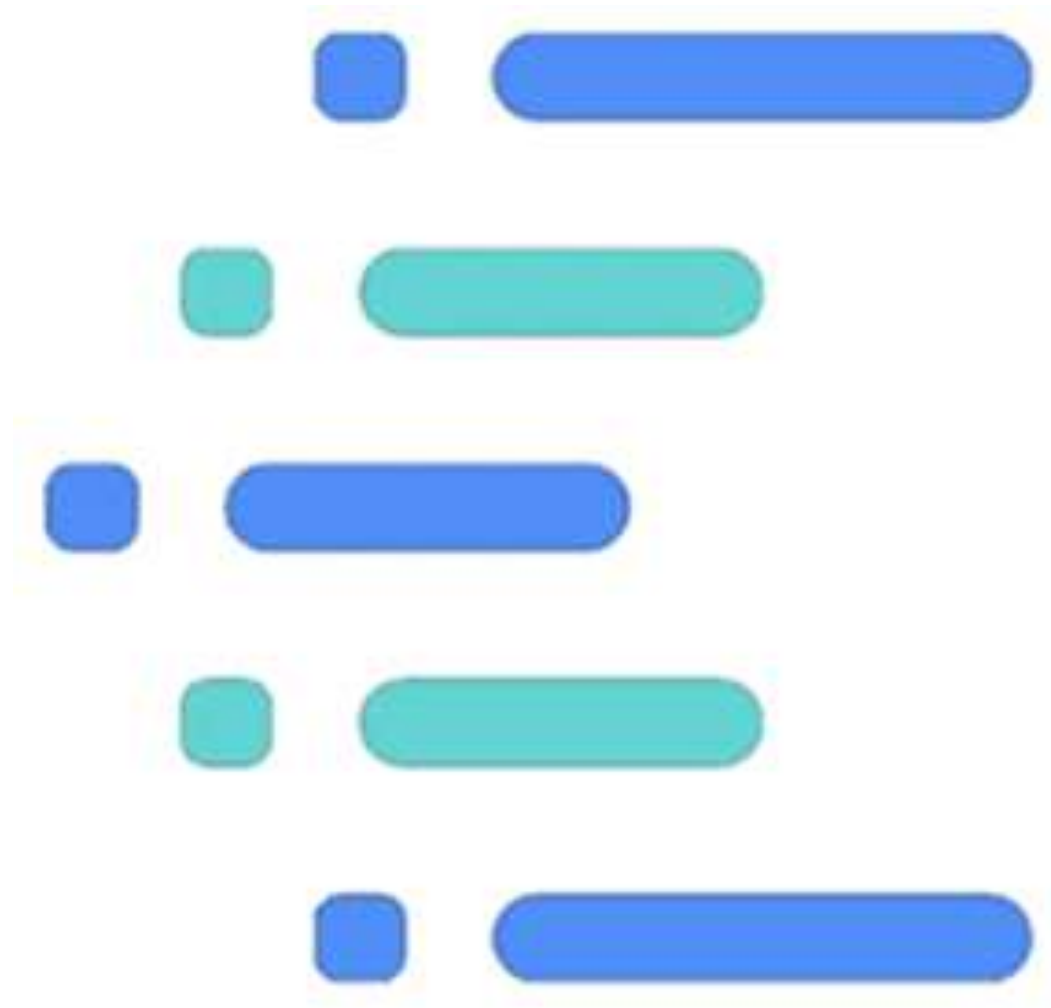
### Sprint-3:

Dashboard Exploration and Creation (In progress)

### Sprint-4:

Story Creation (In progress)

**TOOL USED: COGNOS ANALYTICS**



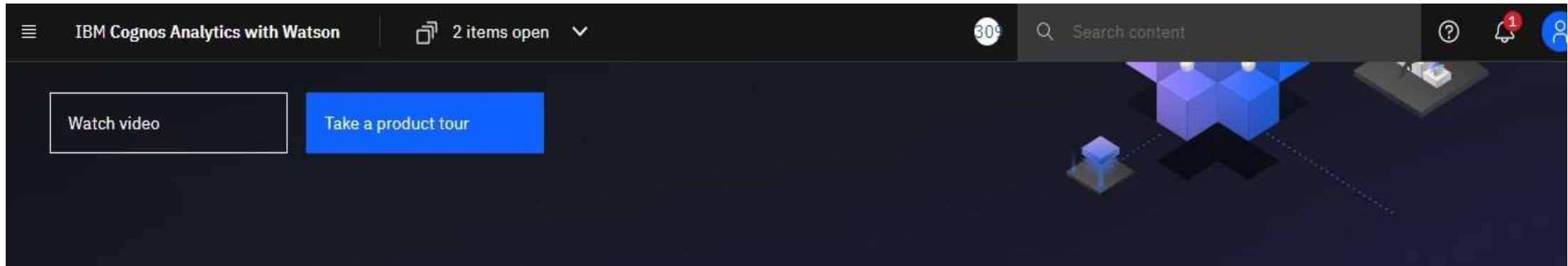
IBM  
Cognos  
Analytics

# DATA PREPROCESSING:

## Sprint -2:

Registration and Data upload

Download the Dataset: <https://www.kaggle.com/datasets/apoorvaappz/global-super-store-dataset>



### ^ 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 explor...



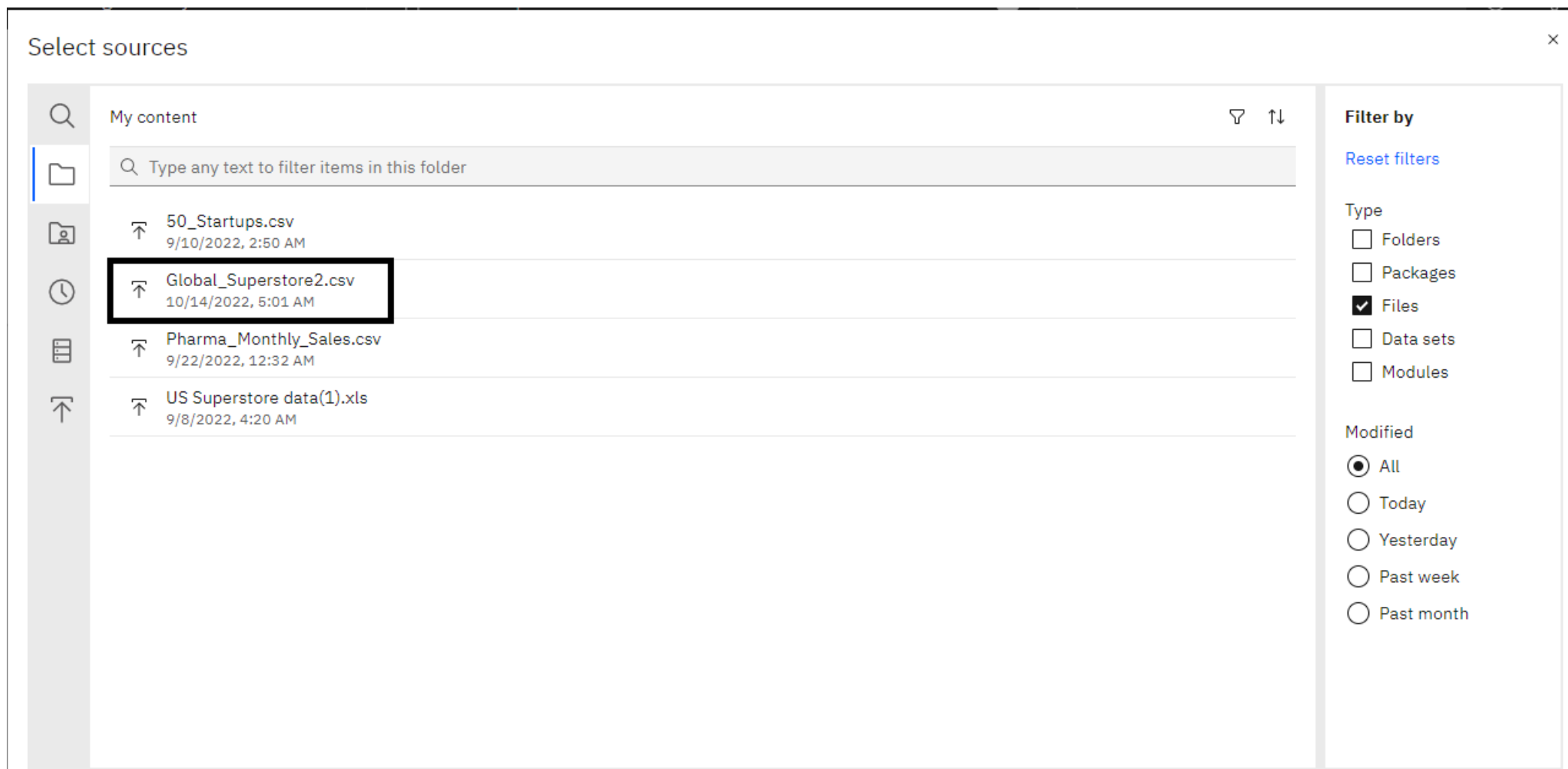
#### Present data




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



Get started


Recent


# SELECTING THE SOURCE





 Grid  Relationships  Custom tables













 Data module + 


 Search

 New data module

 Navigation paths +




 Global\_Su...tore2.csv

-  # Row Id
-  # Row ID
-  abc Order ID
-  ⌚ Order Date
-  ⌚ Ship Date
-  abc Ship Mode
-  abc Customer ID
-  abc Customer Name
-  abc Segment
-  📍 City
-  📍 State
-  📍 Country



Preview data

To preview data, select a table, a column in a table, or a folder that contains columns.

 Data module  

Search

New data module

Navigation paths

Global\_Su...tore2.csv

# Row Id

# Row ID

abc Order ID

Order Date

Ship Date

abc Ship Mode

abc Customer ID

abc Customer Name

abc Segment

City

State

Grid

Relationships

Custom tables

Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode
1	32298	CA-2012-124891	2012-07-31	2012-07-31	Same Day
2	26341	IN-2013-77878	2013-02-05	2013-02-07	Second Class
3	25330	IN-2013-71249	2013-10-17	2013-10-18	First Class
4	13524	ES-2013-1579342	2013-01-28	2013-01-30	First Class
5	47221	SG-2013-4320	2013-11-05	2013-11-06	Same Day
6	22732	IN-2013-42360	2013-06-28	2013-07-01	Second Class
7	30570	IN-2011-81826	2011-11-07	2011-11-09	First Class
8	31192	IN-2012-86369	2012-04-14	2012-04-18	Standard Class
9	40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class

# REMOVING NULL VALUES

IBM Cognos Analytics with Watson

\* New data module

308

Search content

?

1

Grid

Relationships

Custom tables

Search

▶ abc Customer ID

▶ abc Customer Name

▶ abc Segment

▶ City

▶ State

▶ Country

▶ Postal Code

▶ abc Market

▶ Region

▼ abc Product ID

⇒ FUR-AD...00002



⇒ FUR-AD...00108

⇒ FUR-AD...00183

⇒ FUR-AD...00188

⇒ FUR-AD...00190

Postal Code	Market	Region	Product ID	Category	Sub-Category
10024	US	East	TEC-AC-10003033	Technology	Accessories
Null	APAC	Oceania	FUR-CH-10003950	Furniture	Chairs
Null	APAC	Oceania	TEC-PH-10004664	Technology	Phones
Null	EU	Central	TEC-PH-10004583	Technology	Phones
Null	Africa	Africa	TEC-SHA-10000501	Technology	Copiers
Null	APAC	Oceania	TEC-PH-10000030	Technology	Phones
Null	APAC	Oceania	FUR-CH-10004050	Furniture	Chairs
Null	APAC	Oceania	FUR-TA-10002958	Furniture	Tables
95823	US	West	OFF-BI-10003527	Office Supplies	Binders

 Data module + 


Search


▶ abc Ship Mode


▶ abc Customer ID


▶ abc Customer Name

▶ abc Segment


▶  City

▶  State

▶  Country

▶  Postal Code

▶ abc Market


▶  Region


▶ abc Product ID


▶ abc Category


▶ abc Sub-Category

▶ abc Product Name












 Sales

 Grid

 Relationships

 Custom tables

try	Postal C	Region	Product ID	Category	
d States	10024	East	TEC-AC-10003033	Technology	
alia	Null	Oceania	FUR-CH-10003950	Furniture	
alia	Null	Oceania	TEC-PH-10004664	Technology	
any	Null	Central	TEC-PH-10004583	Technology	
gal	Null	Africa	TEC-SHA-10000501	Technology	
alia	Null	Oceania	TEC-PH-10000030	Technology	
Zealand	Null	Oceania	FUR-CH-10004050	Furniture	
Zealand	Null	APAC	FUR-TA-10002958	Furniture	
d States	95823	US	West	OFF-BI-10003527	Office Supplies

-  Filter...
-  Create calculation...
-  Create data group...
-  Create navigation path...
-  Hide from users
-  Remove
-  Format data...
-  Clean...
-  Sort descending
-  Sort ascending
-  Properties



IBM Cognos Analytics with Watson

\* New data module

308

Search content

?

1

Grid

Relationships

Custom tables

try

Postal Code

Market

Region

Product ID

Category

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Sales

Cancel

Clean

Clean - Postal Code

NULL values

☒ Replace this value with NULL

0

☒ Replace NULL values with

0

# CREATING DAY, MONTH, YEAR COLUMNS SEPARATELY

Data format



Column: Order\_Day

Format type:

- ⓘ Clock
- ⓘ Date separator
- ⓘ Date style
- ⓘ Date ordering
- ⓘ Display AM and PM symbols
- ⓘ Display time zone
- ⓘ Time separator
- ⓘ Missing value characters

Date/Time	▼
Unformatted	
Text	
Number	
Percent	
Currency	
Date	
Date/Time	
Time	
Time interval	
Custom	
Default	▼
Default	▼
Default	▼
<empty>	

Reset properties

