

PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-2

TEAM ID	PNT2022TMID28374
PROJECT NAME	GLOBAL SALES DATA ANALYTICS

PROJECT DEVELOPMENT PHASE:

SPRINT-1:

Registration and Data processing (completed)

SPRINT-2:

Data Pre-processing

SPRINT-3:

Dashboard Exploration and Creation

SPRINT-4:

Report Creation and Story Creation

TOOLS USED:

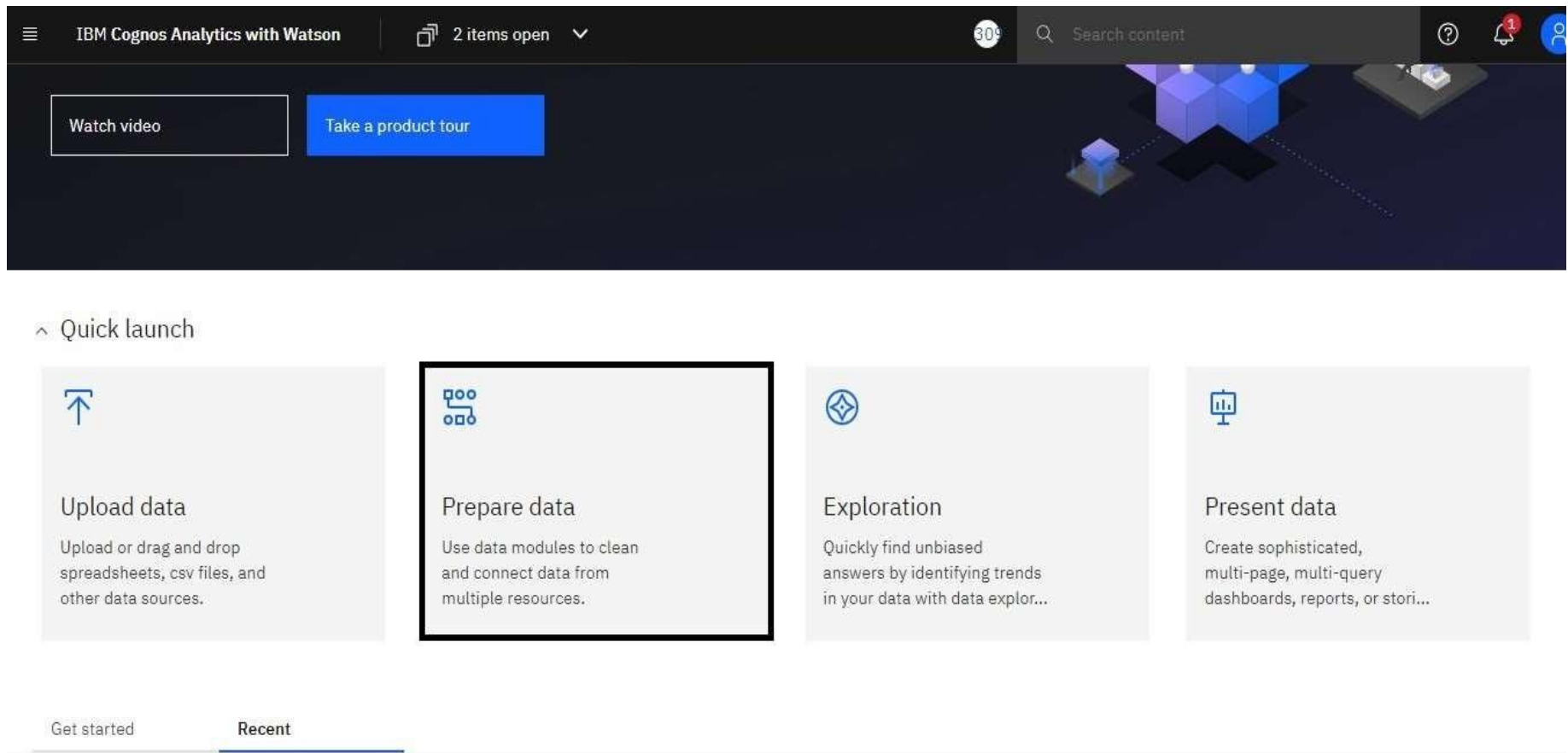
IBM Congos Analytics

SPRINT -2: DATA PRE-PROCESSING

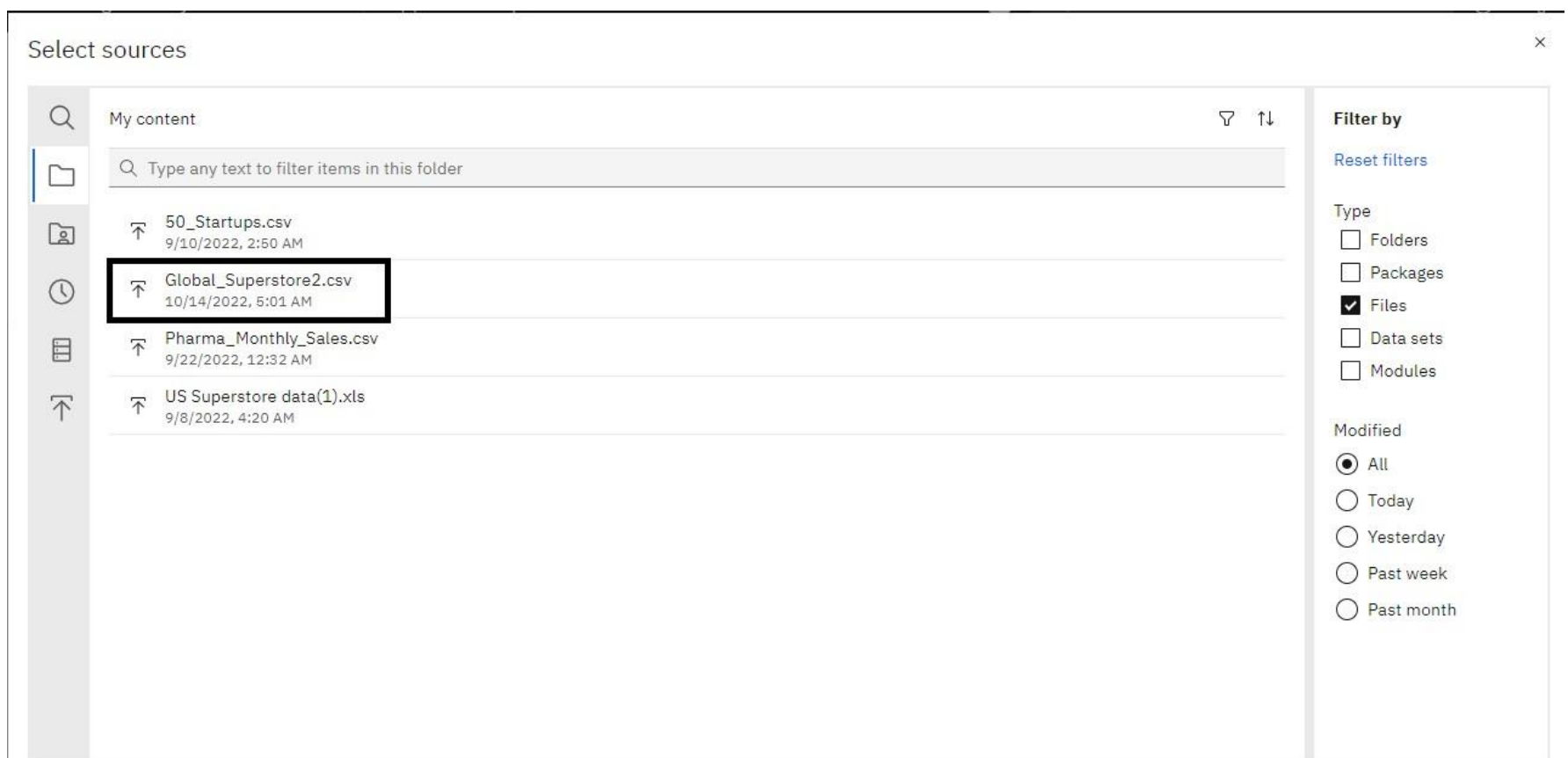
Data Pre-processing

Download the Dataset:

<https://www.kaggle.com/datasets/apoorvaappz/globalsuper-store-dataset>



Selecting The Source:



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar is open, displaying a search bar and a list of data sources. The 'New data module' option is highlighted. Below it, a folder named 'Global_Su...tore2.csv' is expanded, showing a list of columns: '# Row Id', '# Row ID', 'abc Order ID', '🕒 Order Date', '🕒 Ship Date', 'abc Ship Mode', 'abc Customer ID', 'abc Customer Name', 'abc Segment', '📍 City', '📍 State', and '📍 Country'. On the right, the 'Preview data' dialog is displayed, featuring a calendar icon with a checkmark and the text: 'To preview data, select a table, a column in a table, or a folder that contains columns.'

Preview data

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

IBM Cognos Analytics with Watson

New data module

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Search content

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

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

Removing null values:

IBM Cognos Analytics with Watson

* New data module

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Search content

?

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Grid

Relationships

Custom tables

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

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

FUR-AD...00002

FUR-AD...00108

FUR-AD...00183

FUR-AD...00188

FUR-AD...00190

IBM Cognos Analytics with Watson

* New data module

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Search content

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1

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

Data module

Search

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Sales

Filter...

Create calculation...

Create data group...

Create navigation path...

Hide from users

Remove

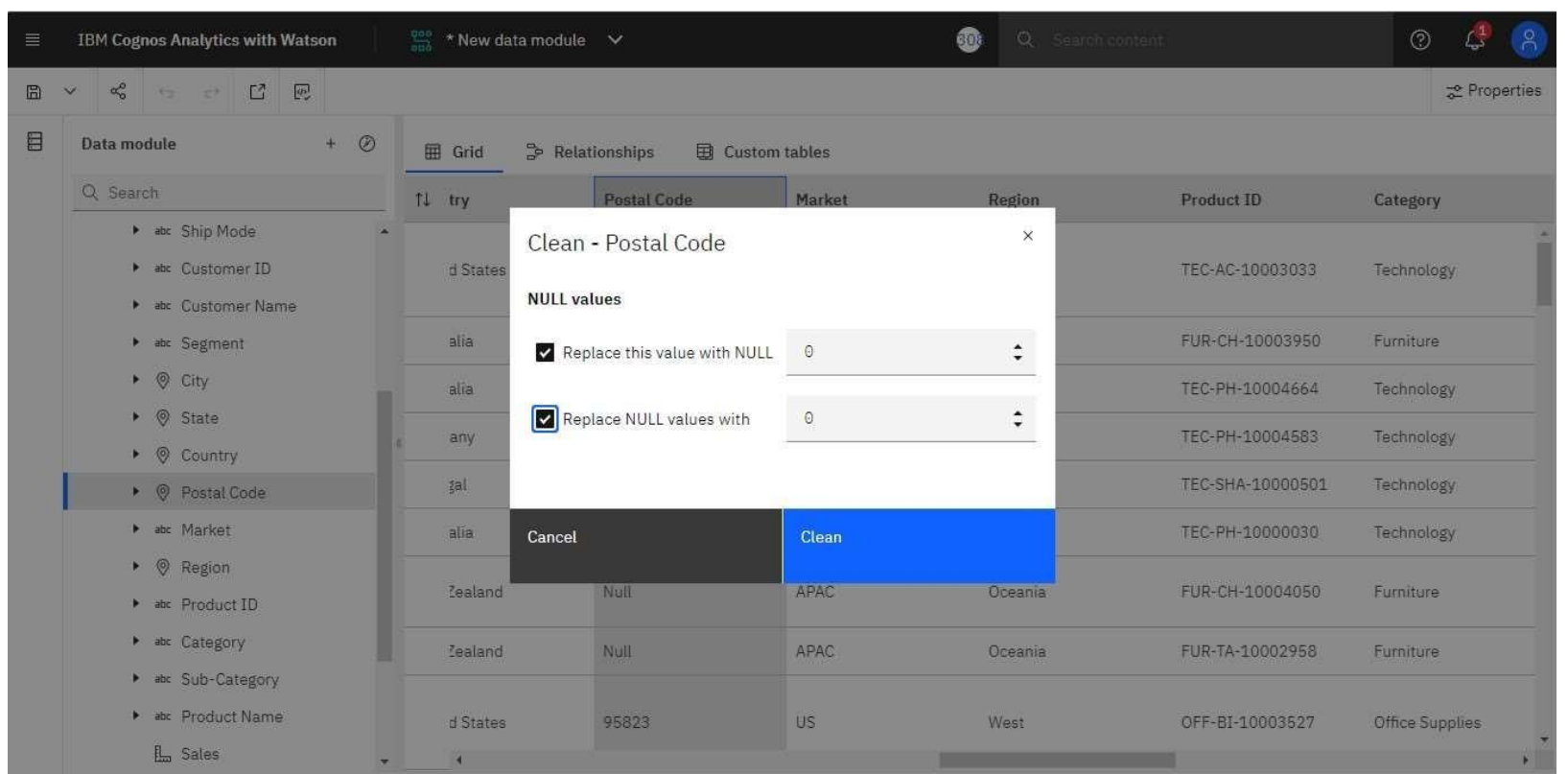
Format data...

Clean...

Sort descending

Sort ascending

Properties



Creating Day, Month, Year Columns Separately:

Data format

Column: Order_Day

Format type:

- ① Clock
- ① Date separator
- ① Date style
- ① Date ordering
- ① Display AM and PM symbols
- ① Display time zone
- ① Time separator
- ① Missing value characters

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

Reset properties