

Project Development Phase

Delivery of Sprint-2

Date	29 October 2022
Team ID	PNT2022TMID49365
Project Name	Global Sales Data Analytics

Project Development Phase:

Sprint-1:

Registration and Data upload(completed)

Sprint-2:

Data preprocessing

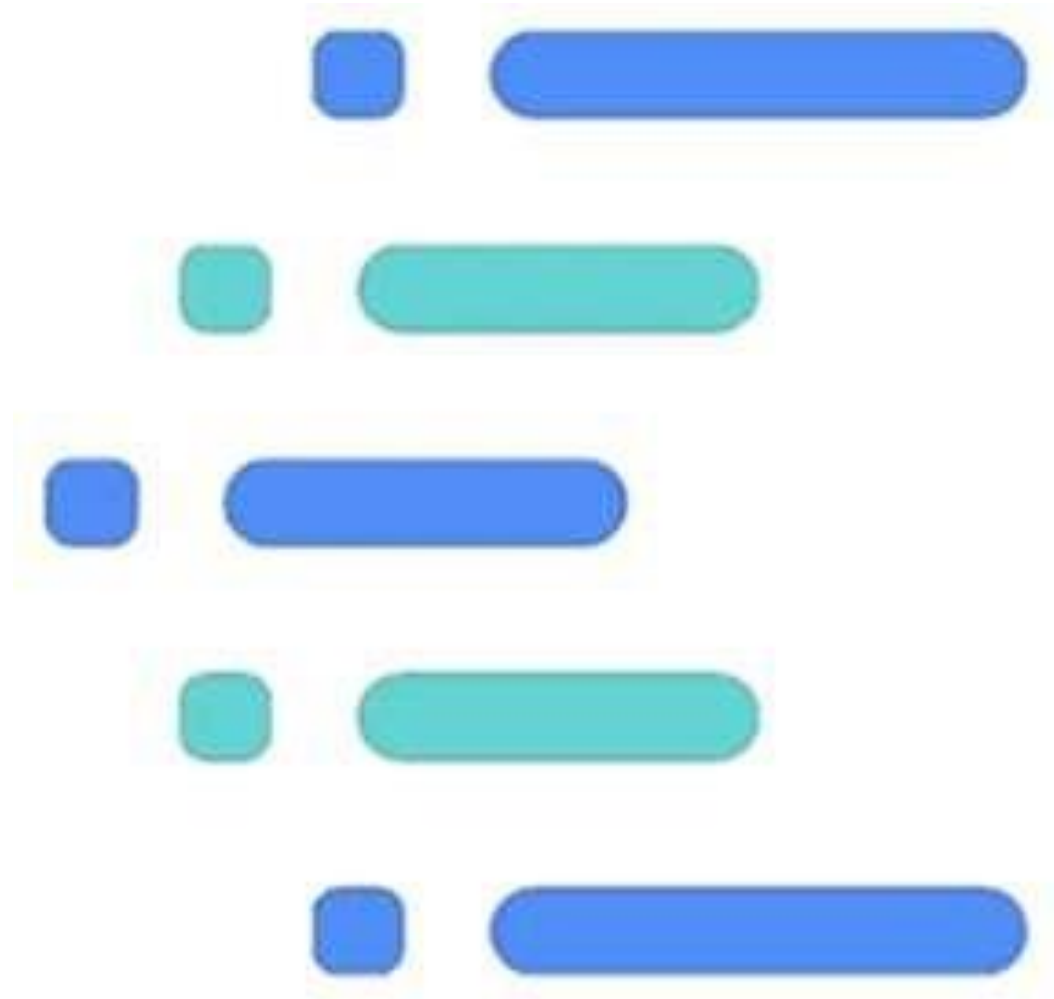
Sprint-3:

Dashboard Exploration and Creation (In progress)

Sprint-4:

Story Creation (In progress)

TOOL USED: COGNOS ANALYTICS



IBM

Cognos

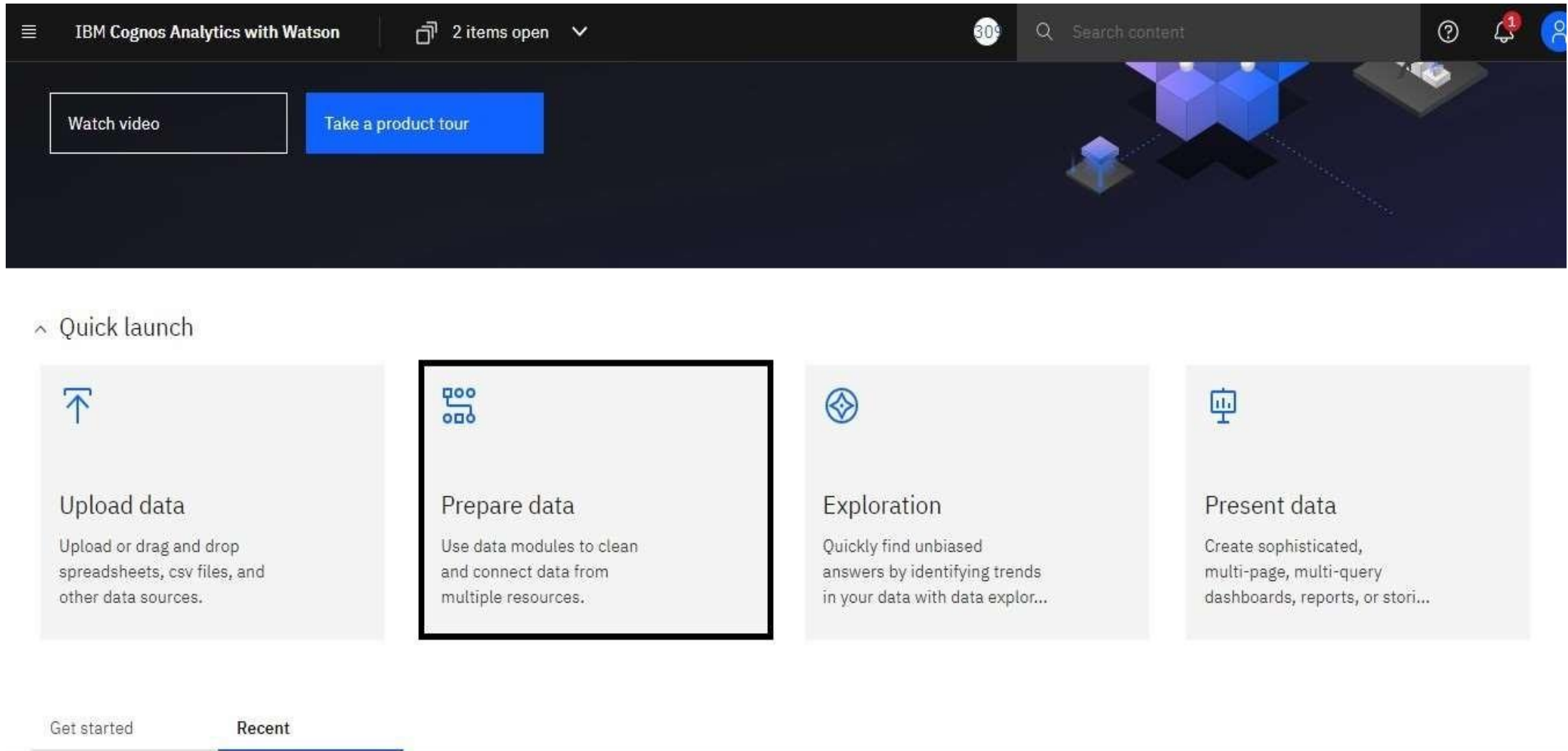
Analytics

DATA PREPROCESSING:

Sprint -2:

Registration and Data upload

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



SELECTING THE SOURCE

Select sources

My content

🔍 Type any text to filter items in this folder

50_Startups.csv
9/10/2022, 2:50 AM

Global_Superstore2.csv
10/14/2022, 5:01 AM

Pharma_Monthly_Sales.csv
9/22/2022, 12:32 AM

US Superstore data(1).xls
9/8/2022, 4:20 AM

Filter by

[Reset filters](#)

Type

☐ Folders

☐ Packages

☒ Files

☐ Data sets

☐ Modules

Modified




☒ All



☐ Today


☐ Yesterday


☐ Past week


☐ Past month


 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

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

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

▶ Ship Mode

▶ Customer ID

▶ Customer Name

▶ Segment

▶ City

▶ State

▶ Country

▶ Postal Code

▶ Market

▶ Region

▶ Product ID

▶ Category

▶ Sub-Category

▶ 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	Oceania	FUR-TA-10002958	Furniture
d States	95823	US	West	OFF-BI-10003527	Office Supplies

IBM Cognos Analytics with Watson

New data module

30%

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

Clean - Postal Code

NULL values

☒ Replace this value with NULL

0

☒ Replace NULL values with

0

Cancel

Clean

				TEC-AC-10003033	Technology
				FUR-CH-10003950	Furniture
				TEC-PH-10004664	Technology
				TEC-PH-10004583	Technology
				TEC-SHA-10000501	Technology
				TEC-PH-10000030	Technology
				FUR-CH-10004050	Furniture
				FUR-TA-10002958	Furniture
				OFF-BI-10003527	Office Supplies

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

