

Delivery of Sprint I

Date	27th October
Team ID	PNT2022TMID43650
Project Name	Project - Global Sales Data Analytics

UNDERSTANDING AND ANALYSING DATASET USING PYTHON

```
import numpy as np
import sklearn as sk
import seaborn as sns
import pandas as pd
```

```
data = pd.read_csv("Global_Superstore2.csv", encoding = "unicode_escape", engine = "python")
```

	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	...	Product ID	Category	Sub-Category	Product Name	Sales	Quantity	Discount	Profit	Shipping Cost	Order Priority
0	32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day	RI-19495	Rick Hansen	Consumer	New York City	New York	...	TEC-AC-10003033	Technology	Accessories	Plantronics CS510 - Over-the-Head monaural Wt.	2309.650	7.0	0.0	752.1845	933.57	Critical
1	26341	IN-2013-77678	05-02-2013	07-02-2013	Second Class	JR-16210	Justin Ritter	Corporate	Wollongong	New South Wales	...	FUR-CH-10003950	Furniture	Chairs	Novimer Executive Leather Armchair, Black	3709.395	9.0	0.1	-288.7650	923.63	Critical
2	25330	IN-2013-71249	17-10-2013	18-10-2013	First Class	CR-12730	Craig Rietter	Consumer	Brisbane	Queensland	...	TEC-PH-10004644	Technology	Phones	Nokia Smart Phone, with Caller ID	5175.171	9.0	0.1	919.9719	915.49	Medium
3	13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class	KM-16375	Katherine Murray	Home Office	Berlin	Berlin	...	TEC-PH-10004583	Technology	Phones	Motorola Smart Phone, Cordless	2892.510	5.0	0.1	-96.5400	910.16	Medium
4	47221	SO-2013-4320	05-11-2013	06-11-2013	Same Day	RI-19495	Rick Hansen	Consumer	Dakar	Dakar	...	TEC-SHA-10005091	Technology	Copiers	Sharp Wireless Fax, High-Speed	2632.960	8.0	0.0	311.5200	903.04	Critical
...
13292	33630	CA-2011-111500	17-08-2011	21-08-2011	Standard Class	DJ-13510	Don Jones	Corporate	Little Rock	Arkansas	...	TEC-AC-10000944	Technology	Accessories	Logitech Gaming G510s - Keyboard	339.960	4.0	0.0	122.3856	23.28	Medium
13293	44289	MO-2014-6460	22-01-2014	27-01-2014	Standard Class	SB-19170	Sarah Bern	Consumer	Mohammedia	Grand Casablanca	...	OFF-TEN-10002835	Office Supplies	Storage	Tenex Lockers, Industrial	409.260	2.0	0.0	114.5400	23.28	Medium
13294	7493	US-2014-142766	27-09-2014	02-10-2014	Standard Class	SM-20950	Suzanne Mckler	Corporate	Tepic	Nayarit	...	TEC-PH-10004631	Technology	Phones	Motorola Headset, Cordless	275.300	5.0	0.0	19.2000	23.27	Medium
13295	11764	ES-2012-5454545	20-06-2012	25-06-2012	Second Class	MS-17770	Maxwell Schwartz	Consumer	Jerez de la Frontera	Andalusia	...	FUR-BO-10004624	Furniture	Bookcases	Safco Stackable Bookrack, Traditional	296.880	2.0	0.0	47.4600	23.27	Medium
13296	11889	IT-2011-2506333	24-08-2011	28-08-2011	Standard Class	DM-13345	Denise Morton	Corporate	Turn	Piedmont	...	TEC-PH-1000	None	None	None	NaN	NaN	NaN	NaN	NaN	None

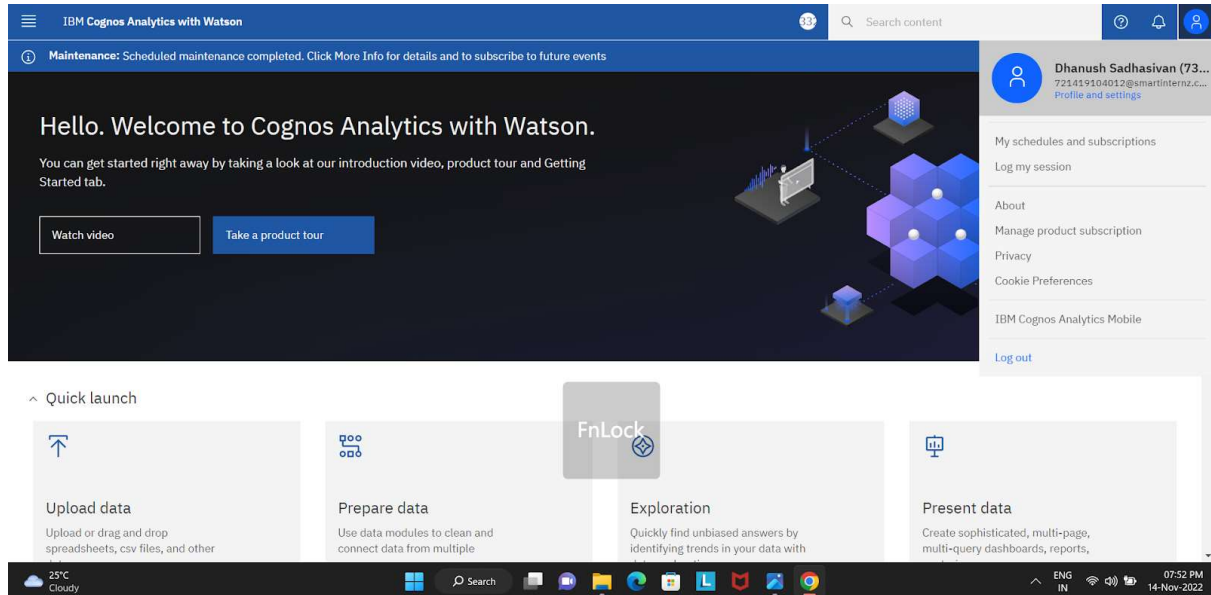
13297 rows x 24 columns

```
data.info()
```

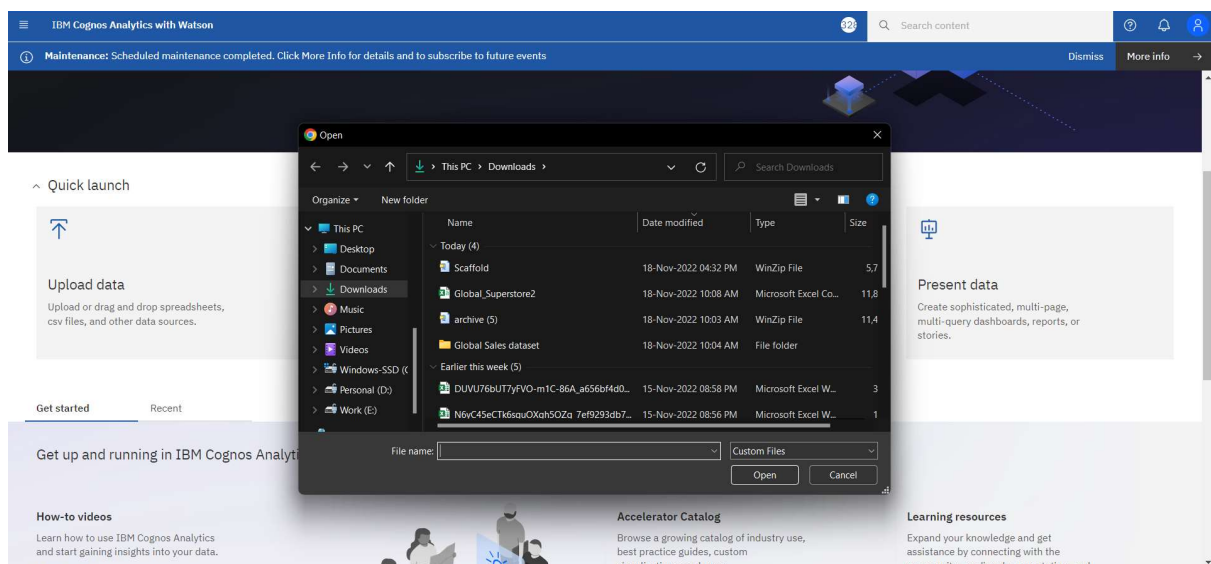
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 13297 entries, 0 to 13296
Data columns (total 24 columns):
#   Column                Non-Null Count  Dtype
---  -
0   Row ID                 13297 non-null  int64
1   Order ID               13297 non-null  object
2   Order Date             13297 non-null  object
3   Ship Date              13297 non-null  object
4   Ship Mode              13297 non-null  object
5   Customer ID            13297 non-null  object
6   Customer Name          13297 non-null  object
7   Segment                13297 non-null  object
8   City                   13297 non-null  object
9   State                  13297 non-null  object
10  Country                13297 non-null  object
11  Postal Code            2248 non-null   float64
12  Market                 13297 non-null  object
13  Region                 13297 non-null  object
14  Product ID             13297 non-null  object
15  Category               13296 non-null  object
16  Sub-Category           13296 non-null  object
17  Product Name           13296 non-null  object
18  Sales                  13296 non-null  float64
19  Quantity               13296 non-null  float64
20  Discount               13296 non-null  float64
21  Profit                 13296 non-null  float64
22  Shipping Cost          13296 non-null  float64
23  Order Priority          13296 non-null  object
dtypes: float64(6), int64(1), object(17)
memory usage: 2.4+ MB
```

Since the dataset doesn't contain any null values so we can continue our process of visualization.

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Upload the DATASET



Dataset Uploaded Successfully.

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