

# PROJECT DEVELOPMENT PHASE

## DELIVERY OF SPRINT-1

|              |                             |
|--------------|-----------------------------|
| DATE         | 29 OCTOBER 2022             |
| TEAM ID      | PNT2022TMID05278            |
| PROJECT NAME | Global Sales Data Analytics |
| MAXIMUM MARK | 4 Marks                     |

- Import library and load dataset in python

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import sklearn as sk

data = pd.read_csv("Global_Superture2.csv", encoding = 'unicode_escape', engine = 'python')
data
```

|   | 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    |
|---|--------|-----------|------------|------------|--------------|-------------|------------------|-------------|---------------|-----------------|-----------------|------------|--------------|---|----------|
| 0 | 32298  | CA-124891 | 2012-07-31 | 2012-07-31 | Same Day     | RII-19495   | Rick Hansen      | Consumer    | New York City | New York        | TEC-AC-10003033 | Technology | Accessories  | Plantronics CS510 - Over-the-Head monaural Wireless Headset | 2309.650 |
| 1 | 26341  | IN-77078  | 2013-02-05 | 2013-02-07 | Second Class | JII-16210   | Justin Ritter    | Corporate   | Wollongong    | New South Wales | FUR-CH-10003950 | Furniture  | Chairs       | Novimex Executive Leather Armchair, Black                   | 3709.395 |
| 2 | 25330  | IN-71249  | 2013-10-17 | 2013-10-10 | First Class  | CR-12730    | Craig Reiter     | Consumer    | Brisbane      | Queensland      | TEC-PH-10004664 | Technology | Phones       | Nokia Smart Phone, with Caller ID                           | 5175.171 |
| 3 | 13524  | ES-11524  | 2013-01-28 | 2013-01-01 | First Class  | KM-15138    | Katherine Murray | Home Office | Berlin        | Berlin          | TEC-PH-10004664 | Technology | Phones       | Motorola Smart Phone  | 2892.510 |

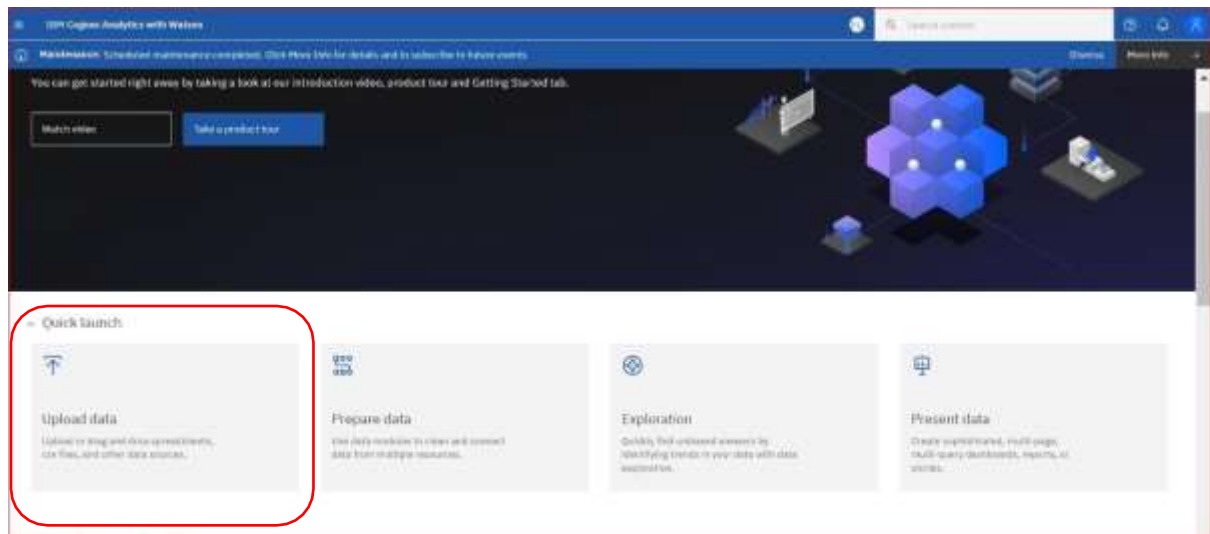
- Understanding and Analyzing the dataset by using python library's.

```

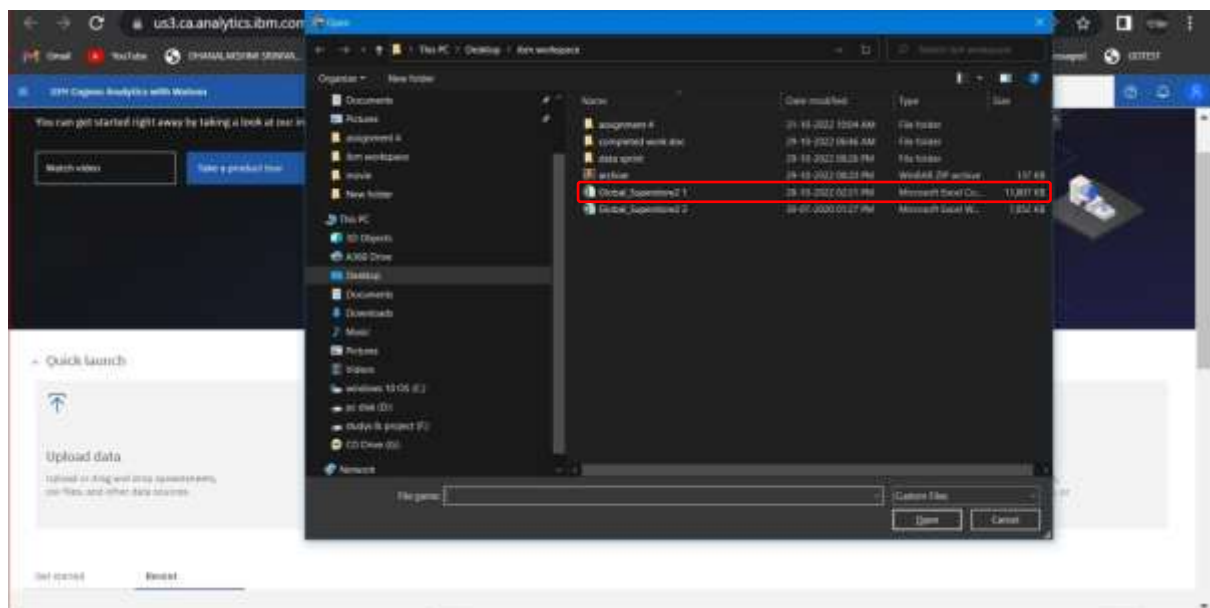
class 'pandas.core.frame.DataFrame'
RangeIndex: 51290 entries, 0 to 51289
Data columns (total 24 columns):
 #   Column                Non-Null Count  Dtype
---  -
 0   Row ID                51290 non-null    int64
 1   Order ID              51290 non-null    object
 2   Order Date            51290 non-null    object
 3   Ship Date             51290 non-null    object
 4   Ship Mode             51290 non-null    object
 5   Customer ID           51290 non-null    object
 6   Customer Name         51290 non-null    object
 7   Segment              51290 non-null    object
 8   City                  51290 non-null    object
 9   State                 51290 non-null    object
10   Country               51290 non-null    object
11   Postal Code           9954 non-null     float64
12   Market                51290 non-null    object
13   Region               51290 non-null    object
14   Product ID            51290 non-null    object
15   Category              51290 non-null    object
16   Sub-Category          51290 non-null    object
17   Product Name          51290 non-null    object
18   Sales                 51290 non-null    float64
19   Quantity              51290 non-null    int64
20   Discount              51290 non-null    float64
21   Profit               51290 non-null    float64
22   Shipping Cost         51290 non-null    float64
23   Order Priority         51290 non-null    object
dtypes: float64(5), int64(2), object(17)
memory usage: 9.4+ MB

```

- **OPEN IBM COGNOS ANALYTICS**



## Load dataset “Global\_Superstore2 1”in IBM COGNOS ANALYTICS



- Data loading successfully in IBM COGNOS

