

Project Development Phase

Delivery of Sprint-1

Date	02 NOV 2022
Team ID	PNT2022TMID01276
Project Name	Data Analytics for DHL Logistics Facilities

Project Development Phase:

Sprint-1:

- Data Collection
- Data Preparation

Sprint-2:

- Data Exploration

Sprint-3:

- Dashboard Creation

Sprint-4:

- Report Creation
- Story Creation

Contributors:

K.Dhivakar

M.Charan

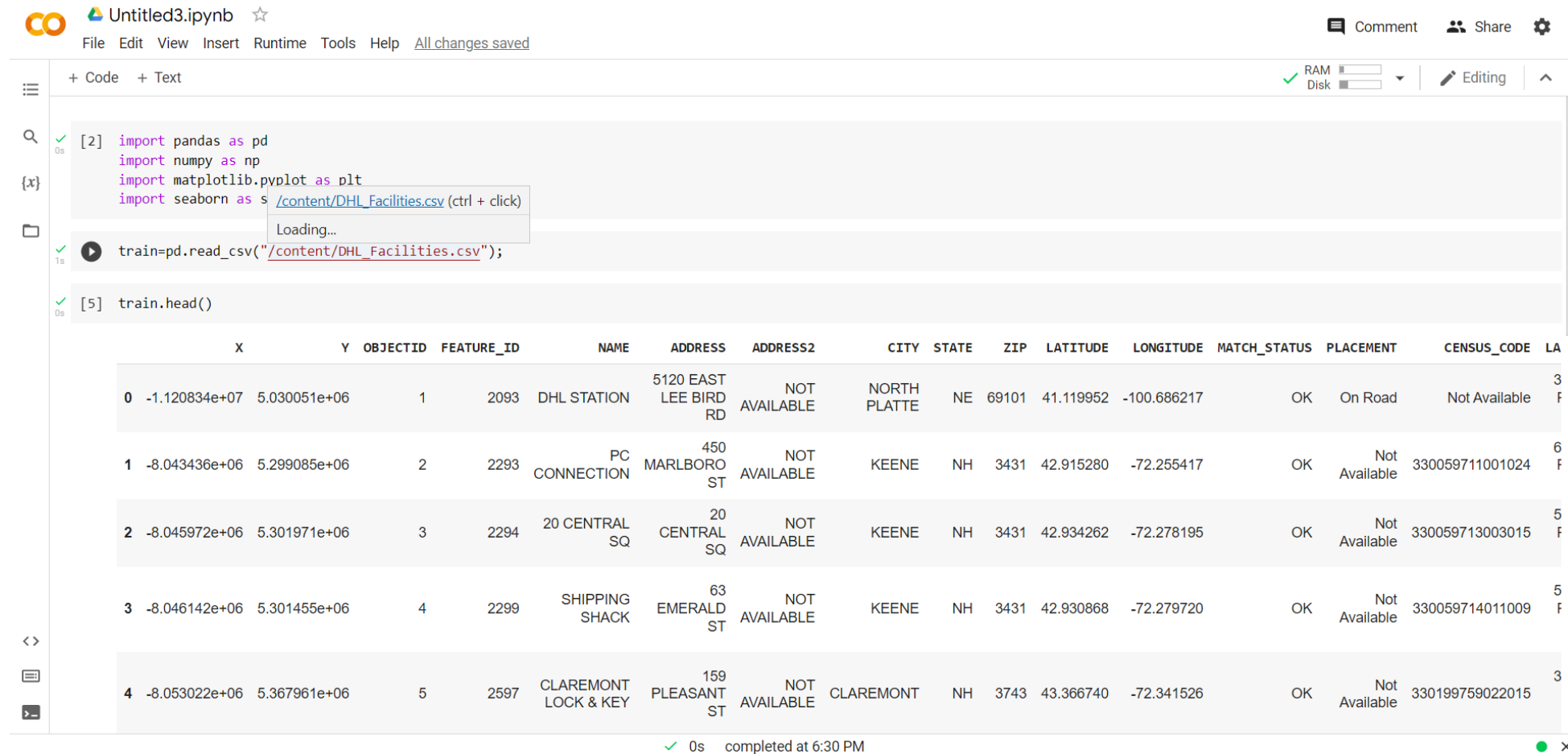
R.Lingesan

P.Gokul

SPRINT-1

Data Preprocessing:

Using Jupyter notebook to remove the null values:



The screenshot shows a Jupyter Notebook titled "Untitled3.ipynb" with a menu bar (File, Edit, View, Insert, Runtime, Tools, Help) and a status bar (All changes saved). The notebook contains three code cells:

```
[2] import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as s /content/DHL_Facilities.csv (ctrl + click)

[3] train=pd.read_csv("/content/DHL_Facilities.csv");

[5] train.head()
```

The output of the third cell is a table with 17 columns: X, Y, OBJECTID, FEATURE_ID, NAME, ADDRESS, ADDRESS2, CITY, STATE, ZIP, LATITUDE, LONGITUDE, MATCH_STATUS, PLACEMENT, CENSUS_CODE, and LA. The table displays the first five rows of data.

	X	Y	OBJECTID	FEATURE_ID	NAME	ADDRESS	ADDRESS2	CITY	STATE	ZIP	LATITUDE	LONGITUDE	MATCH_STATUS	PLACEMENT	CENSUS_CODE	LA
0	-1.120834e+07	5.030051e+06	1	2093	DHL STATION	5120 EAST LEE BIRD RD	NOT AVAILABLE	NORTH PLATTE	NE	69101	41.119952	-100.686217	OK	On Road	Not Available	3 F
1	-8.043436e+06	5.299085e+06	2	2293	PC CONNECTION	450 MARLBORO ST	NOT AVAILABLE	KEENE	NH	3431	42.915280	-72.255417	OK	Not Available	330059711001024	6 F
2	-8.045972e+06	5.301971e+06	3	2294	20 CENTRAL SQ	20 CENTRAL SQ	NOT AVAILABLE	KEENE	NH	3431	42.934262	-72.278195	OK	Not Available	330059713003015	5 F
3	-8.046142e+06	5.301455e+06	4	2299	SHIPPING SHACK	63 EMERALD ST	NOT AVAILABLE	KEENE	NH	3431	42.930868	-72.279720	OK	Not Available	330059714011009	5 F
4	-8.053022e+06	5.367961e+06	5	2597	CLAREMONT LOCK & KEY	159 PLEASANT ST	NOT AVAILABLE	CLAREMONT	NH	3743	43.366740	-72.341526	OK	Not Available	330199759022015	3

The status bar at the bottom indicates "0s completed at 6:30 PM".



Untitled3.ipynb ☆

File Edit View Insert Runtime Tools Help [All changes saved](#)

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✓ RAM
Disk

Editing

✓ [6] train.isnull().sum()
0s

{x}



X	0
Y	0
OBJECTID	0
FEATURE_ID	0
NAME	0
ADDRESS	0
ADDRESS2	0
CITY	0
STATE	0
ZIP	0
LATITUDE	0
LONGITUDE	0
MATCH_STATUS	0
PLACEMENT	0
CENSUS_CODE	0
LAST_PICKUP	0
LOCATION_TY	0
LOCATION_TH	0
dtype:	int64

✓ [7] train=train.to_csv('final_train_data.csv',index=False)
0s

<>



✓ 0s completed at 6:30 PM



Signing in to the IBM Cognos tool:

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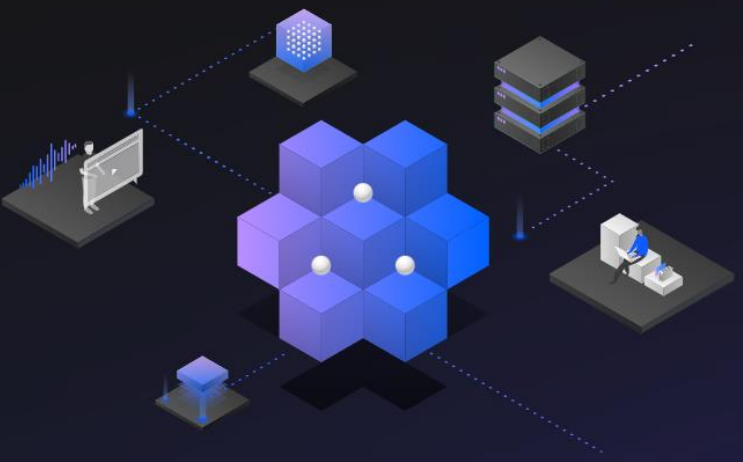
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Upload or drag and drop spreadsheets, csv files, and other data sources.

🔗

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 exploration.

📊

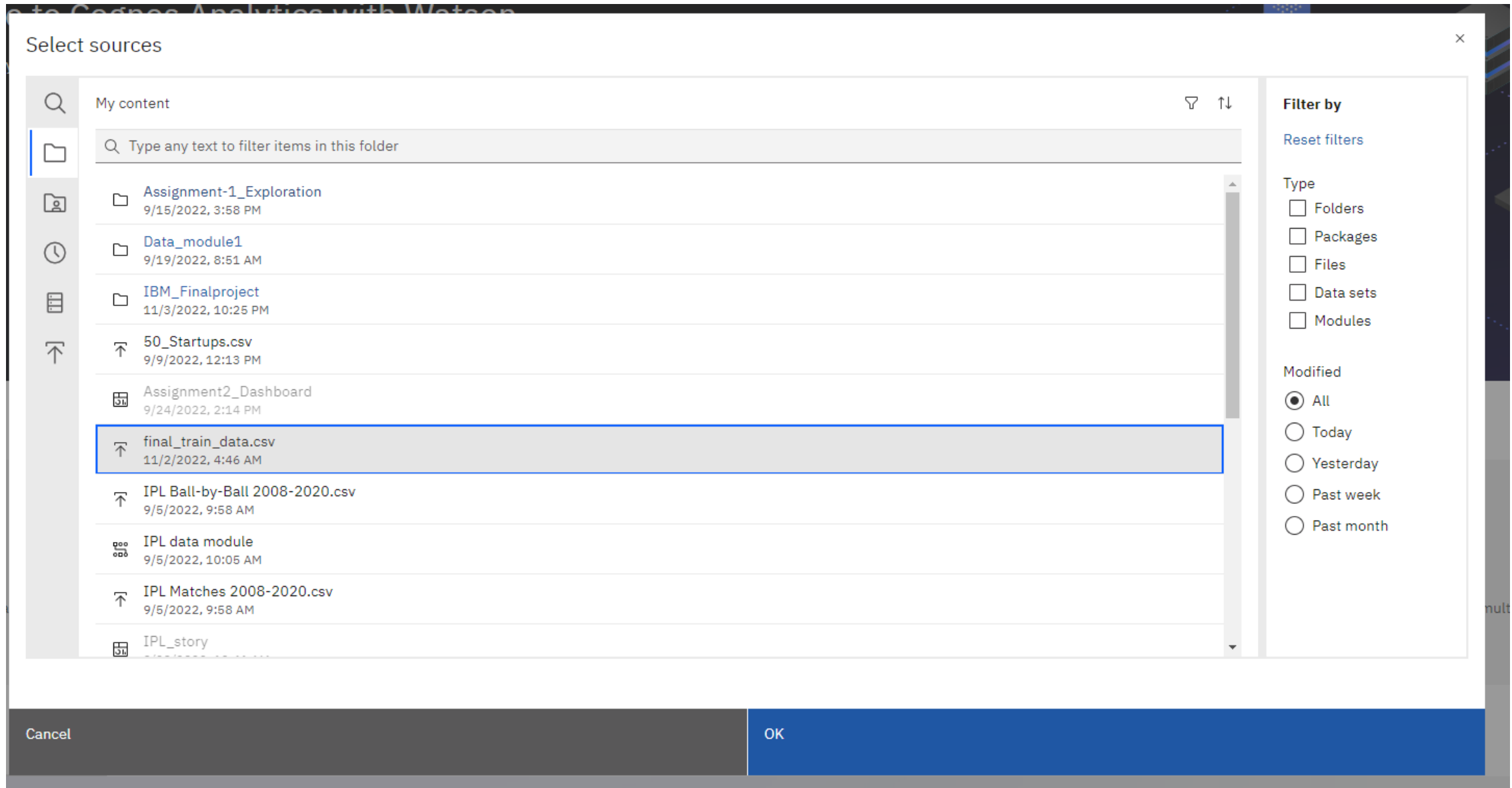
Present data

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

📄

⚙️

Selecting the dataset to upload into the Cognos:



Uploading the dataset to perform the preparation and visualization:

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Reading final_train_data.csv...

Cancel

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