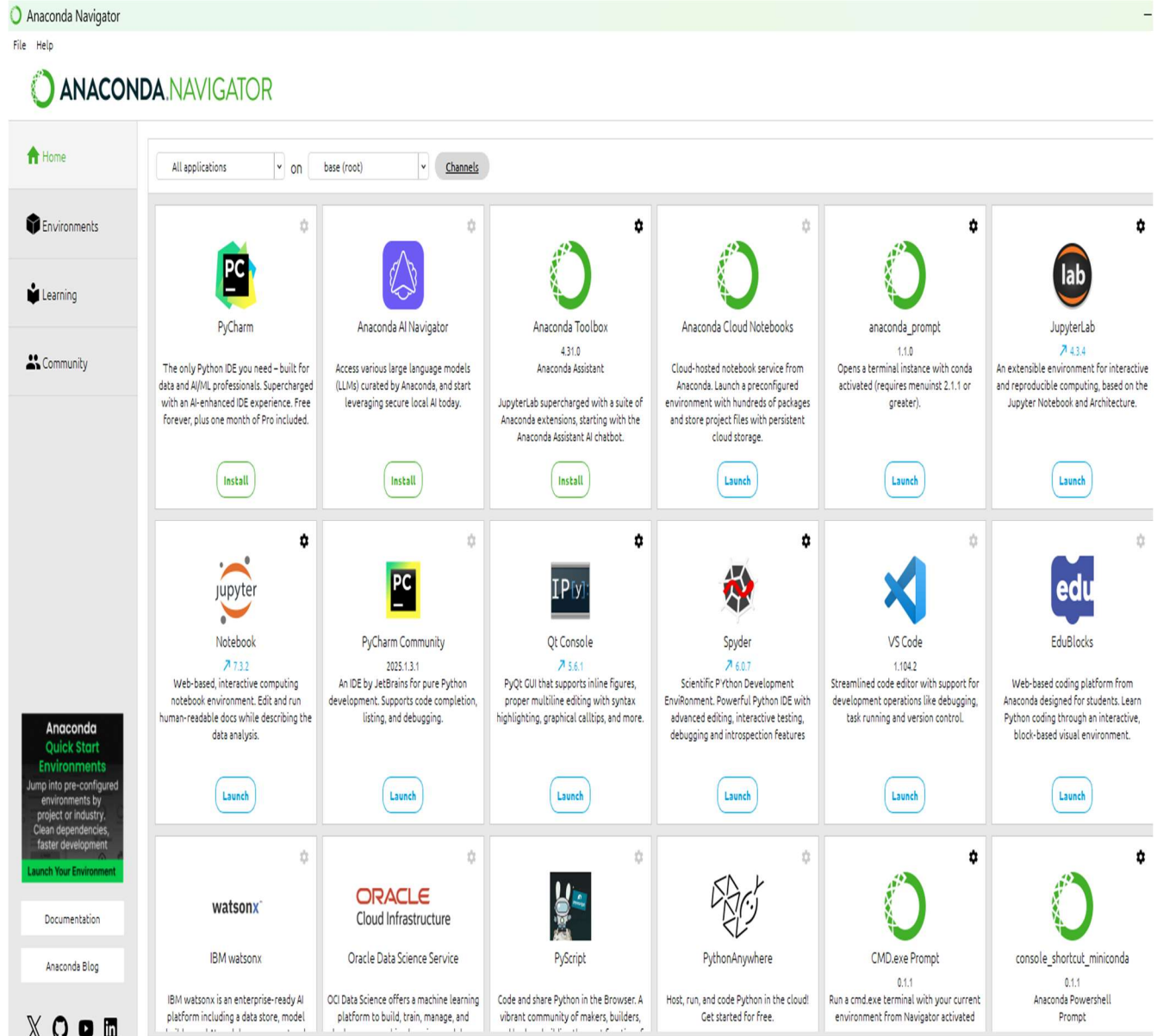


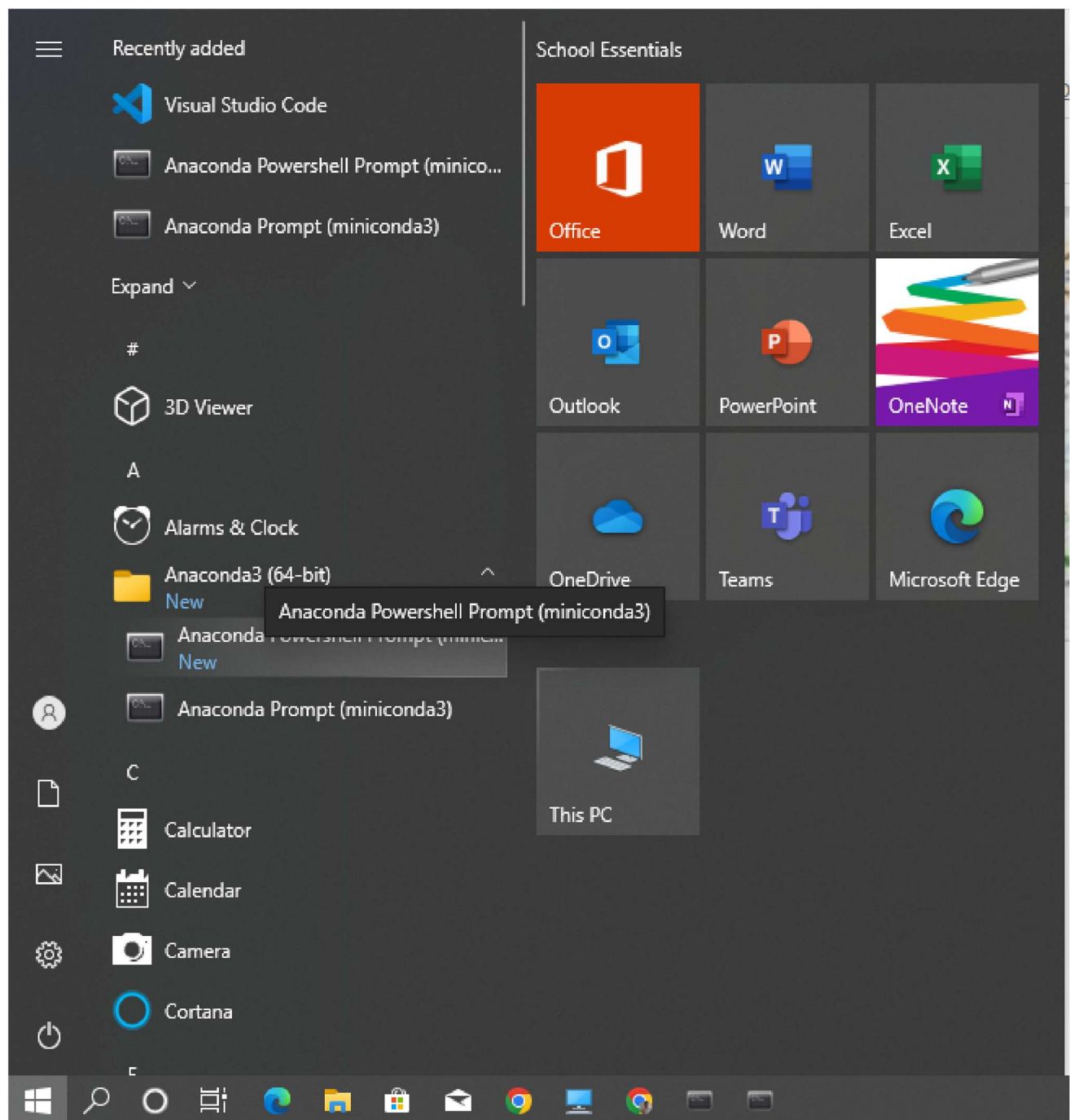
Pre-Requisites

Exploratory Analysis Of RainFall Data In India For Agriculture

Team ID: LTVIP2025TMID49598

1. Anaconda Navigator





2.Jupyter:

The screenshot shows the JupyterLab file browser interface. At the top, there are tabs for 'Files', 'Running', and 'Clusters'. Below this, a message says 'Select items to perform actions on them.' with 'Upload' and 'New' buttons. The main area displays a table of files in the 'Desktop / IBM Project' directory. The table has columns for 'Name', 'Last Modified', and 'File size'.

Name	Last Modified	File size
..	seconds ago	
11111.ipynb	2 days ago	310 kB
Analysis The Data.ipynb	18 hours ago	16.6 kB
Data Visualization.ipynb	10 hours ago	1.64 MB
Feature Scalling.ipynb	10 hours ago	1.63 MB
Handling missing data.ipynb	18 hours ago	92.9 kB
Importing the Dataset.ipynb	18 hours ago	5.64 kB
Importing the libraries.ipynb	18 hours ago	1.1 kB
splitting x and y values.ipynb	10 hours ago	1.63 MB
austin_weather.csv	2 days ago	106 kB
Rainfall weather.csv	2 days ago	14.2 MB

3. Python Packages:

The screenshot shows a Jupyter Notebook titled 'IBM_Data_Pre_Processing' with a 'Last Checkpoint: 9 hours ago (autosaved)' status. The notebook has a menu bar (File, Edit, View, Insert, Cell, Kernel, Help) and a toolbar. The code is organized into sections:

Data Pre-processing

Importing the libraries

```
In [1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.preprocessing import StandardScaler
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression

import warnings
warnings.filterwarnings('ignore')
```

Importing the cvs file.

```
In [2]: data = pd.read_csv("Rainfall weather.csv")
```

Analysis The Data

- Numpy
- Pandas
- Seaborn

- Matplotlib
- Pickle
- Scikit-learn
- Sklearn
- Flask