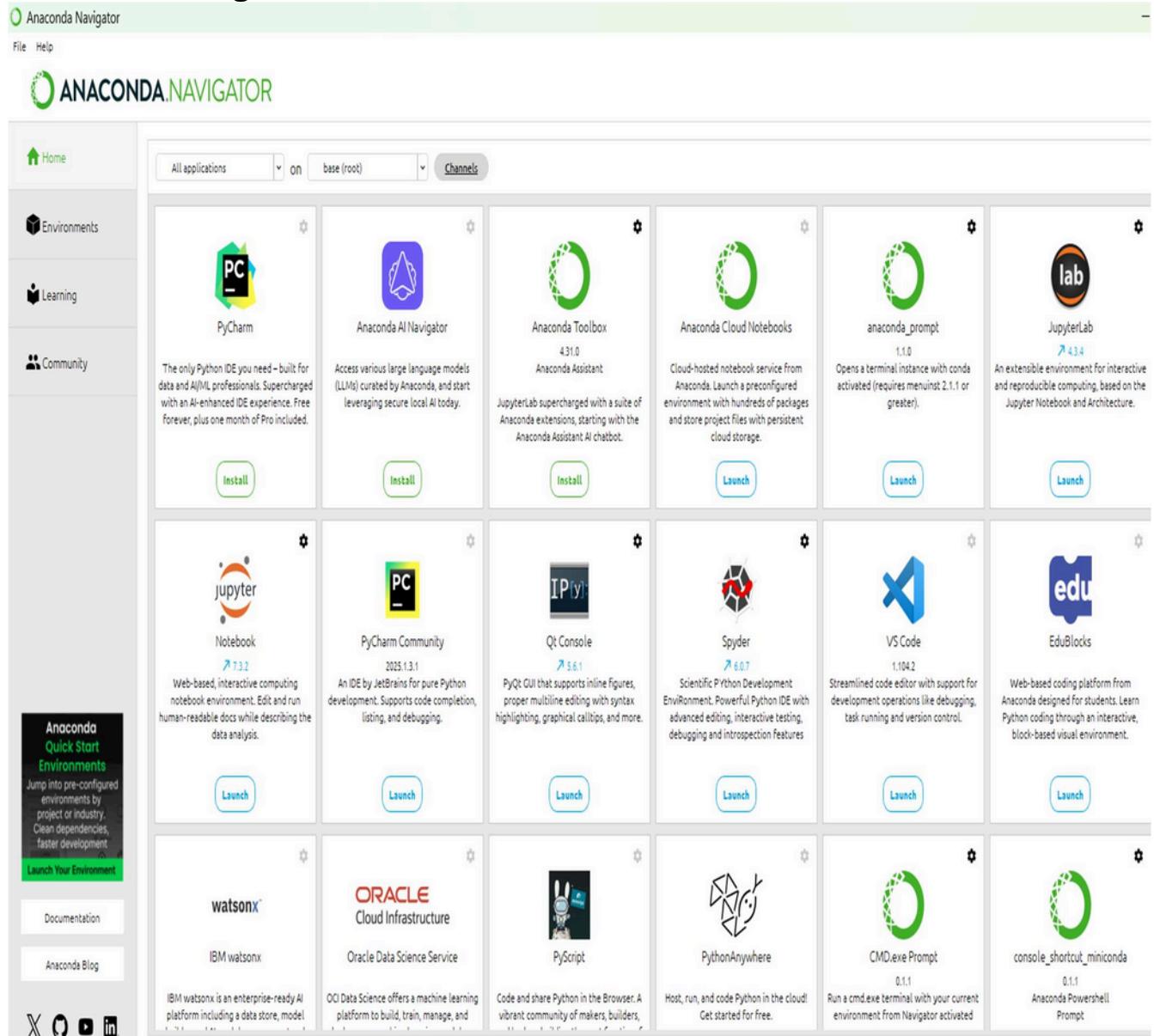


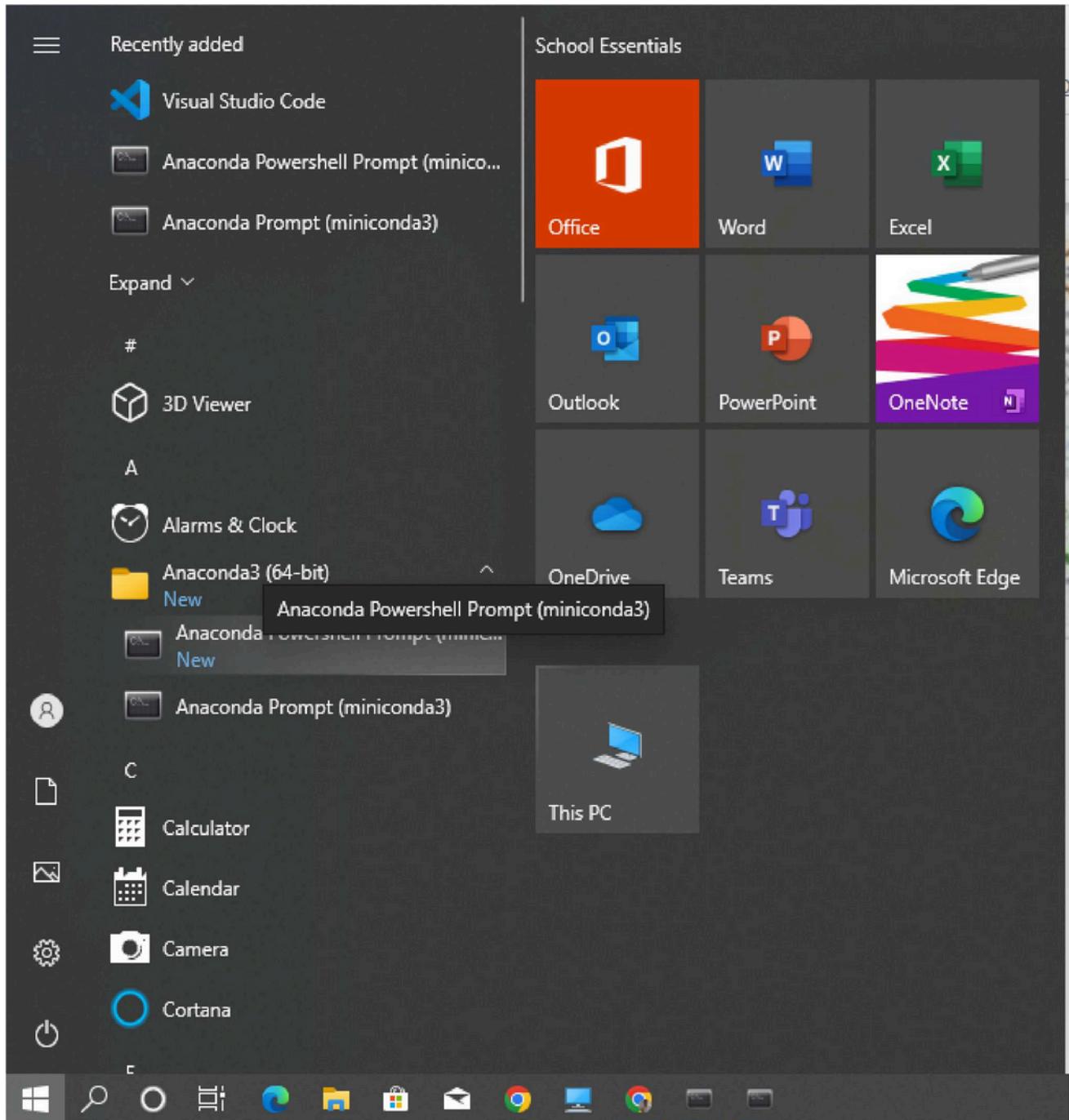
Pre-Requisites

Exploratory Analysis Of RainFall Data In India For Agriculture

Team ID: LTVIP2026TMIDS86728

1.Anaconda Navigator





2.Jupyter:

The screenshot shows the IBM Jupyter interface. At the top, there are several tabs: 'IBM' (selected), 'Untitled document - Google', 'Desktop/IBM Project/...', 'IBM_Data_Pre_Processing ->', and 'New Tab'. Below the tabs is a navigation bar with links like 'IBM Login', 'Training Courses', 'Chat with mentor', 'Machine Learning T...', 'Deep Learning T...', 'GitHub', '(PDF) Application o...', and 'Indian rainfall analy...'. The main area is titled 'jupyter' and contains a 'Files' tab. A file browser shows a directory structure under '/ Desktop / IBM Project/'. The contents are:

	Name	Last Modified	File size
0	...	seconds ago	
1	1111.ipynb	2 days ago	310 kB
2	Analysis The Data.ipynb	18 hours ago	16.6 kB
3	Data Visualization.ipynb	10 hours ago	1.64 MB
4	Feature Scalling.ipynb	10 hours ago	1.63 MB
5	Handling missing data.ipynb	18 hours ago	92.9 kB
6	Importing the Dataset.ipynb	18 hours ago	5.64 kB
7	Importing the libraries.ipynb	18 hours ago	1.1 kB
8	splitting x and y values.ipynb	10 hours ago	1.63 MB
9	austin_weather.csv	2 days ago	106 kB
10	Rainfall weather.csv	2 days ago	14.2 MB

3. Python Packages:

The screenshot shows a Jupyter notebook titled 'Data Pre-processing' (Last Checkpoint: 9 hours ago (autosaved)). The notebook interface includes a toolbar with File, Edit, View, Insert, Cell, Kernel, Help, and a status bar indicating 'Not Trusted' and 'Python 3 (ipykernel)'. The notebook content is as follows:

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 csv file.

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

Analysis The Data

- Numpy
- Pandas
- Seaborn

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