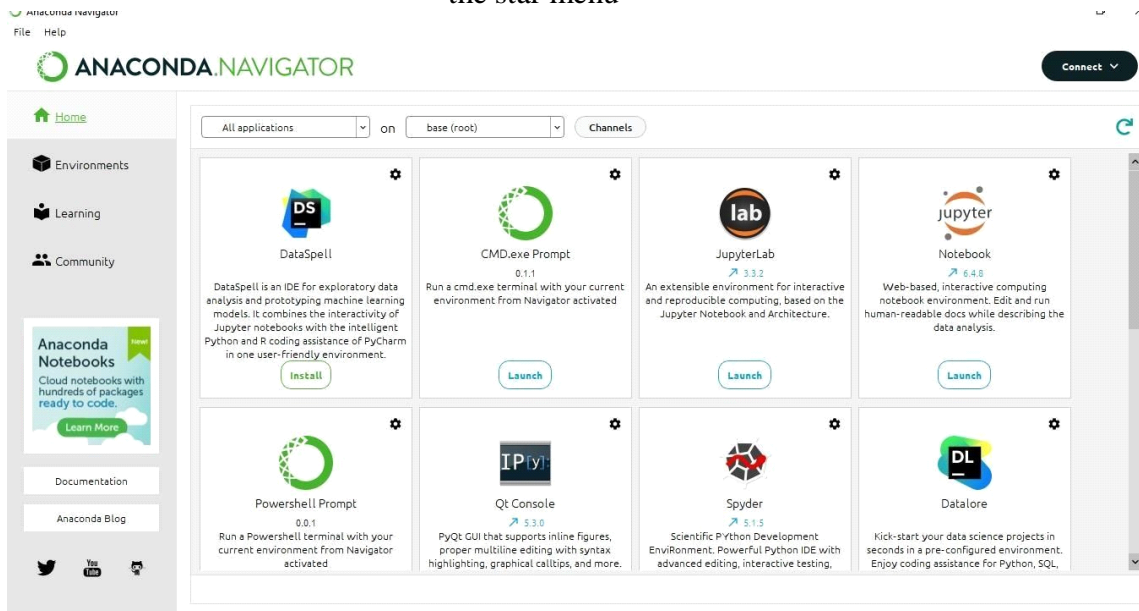# Installing python package

TEAM ID : PNT2022TMID18550

PROJECT NAME: DemandEst-AI Powered Food Demand Forecaster

Step 1 : open the anaconda navigator. In the star menu

Step 2: open the CMD.exe prompt

Step 3: install the **jupyder notebook** package .

To enter the package enter the command in the CMD.exeCommand :**Pip install jupydernotebook**

JUPYDER NOTEBOOK:

Step 4 : install spyder

Cmd.exe command : pip install **spyder**

Step 5: install numpy package

CMD.exeCommand : **pip install numpy**

NUMPY :

Numpy: This package is used to perform numerical computations. This package is pre-installed in anaconda . NumPy is used for working with arrays. NumPy is short for "Numerical Python

Step 6 : install the **pandas** pakage . To enter the **pandas** package enter the command in the

CMD.exeCommand: **Pip install**

pandasPandas :

Pandas is one of the most widely used python libraries in data science. It provides high-performance, easy to use structures, and data analysis tools. This package is pre-installedin anaconda. is an open-source library that is built on top of NumPy library. It isa Python package that offers various data

structures and operations for manipulating numerical data and time series. It is mainly popular for importing and analyzing data much easier. Pandas is fast and it has high- performance & productivity for users.

```
Anaconda Powershell Prompt (anaconda3)
Requirement already satisfied: cffi>=1.1 in c:\users\ganesh\anaconda3\lib\site-packages (from bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (1.15.1)
Requirement already satisfied: pathspec>=0.9.0 in c:\users\ganesh\anaconda3\lib\site-packages (from black>=19.3b0->python-lsp-black>=1.0.0->spyder) (0.9.0)
Requirement already satisfied: mypy-extensions>=0.4.3 in c:\users\ganesh\anaconda3\lib\site-packages (from black>=19.3b0->python-lsp-black>=1.0.0->spyder) (0.4.3)
Requirement already satisfied: zipp>=0.5 in c:\users\ganesh\anaconda3\lib\site-packages (from importlib-metadata>=3.6->keyring>=17.0.0->spyder) (3.8.0)
Requirement already satisfied: debugpy>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (1.5.1)
Requirement already satisfied: tornado>=6.1 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (6.1)
Requirement already satisfied: nest-asyncio in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (1.5.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2<4.0.0,>=2.7->cookiecutter>=1.6.0->spyder) (2.0.1)
Requirement already satisfied: arrow in c:\users\ganesh\anaconda3\lib\site-packages (from jinja2-time>=0.2.0->cookiecutter>=1.6.0->spyder) (1.2.2)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-client>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (2.8.2)

Requirement already satisfied: pywin32>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-core->nbconvert>=4.0->spyder) (302)
Requirement already satisfied: fastjsonschema in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat>=4.4->nbconvert>=4.0->spyder) (2.16.2)
Requirement already satisfied: wcwidth in c:\users\ganesh\anaconda3\lib\site-packages (from prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0->ipython<8.0.0,>=7.6.0->spyder)
 (0.2.5)
Requirement already satisfied: text-unidecode>=1.3 in c:\users\ganesh\anaconda3\lib\site-packages (from python-slugify>=4.0.0->cookiecutter>=1.6.0->spyder) (1.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (3.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2022.9.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2.0.4)
Requirement already satisfied: soupsieve>1.2 in c:\users\ganesh\anaconda3\lib\site-packages (from beautifulsoup4->nbconvert>=4.0->spyder) (2.3.1)
Requirement already satisfied: webencodings in c:\users\ganesh\anaconda3\lib\site-packages (from bleach->nbconvert>=4.0->spyder) (0.5.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from packaging->qtpy>=1.5.0->spyder) (3.0.9)
Requirement already satisfied: pycparser in c:\users\ganesh\anaconda3\lib\site-packages (from cffi>=1.1->bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (2.21)
Installing collected packages: PyQt5_sip, pyqt5, pyqtwebengine
Successfully installed PyQt5_sip-12.11.0 pyqt5-5.12.3 pyqtwebengine-5.12.1
(base) PS C:\Users\ganesh> -pip install numpy
-pip : The term '-pip' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was
included, verify that the path is correct and try again.
At line:1 char:1
+ -pip install numpy
+ ~~~~
    + CategoryInfo          : ObjectNotFound: (-pip:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException

(base) PS C:\Users\ganesh> pip install numpy
Requirement already satisfied: numpy in c:\users\ganesh\anaconda3\lib\site-packages (1.21.5)
(base) PS C:\Users\ganesh> pip install pandas
Requirement already satisfied: pandas in c:\users\ganesh\anaconda3\lib\site-packages (1.4.4)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: numpy>=1.18.5 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
(base) PS C:\Users\ganesh>
```

Step 7: install the **Matplotlib** package .To enter the **Matplotlib** package enter the command in the CMD.exe

> **Command:** Pip install Matplotlib

Matplotlib :

Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python. This package is pre-installed in anaconda . Matplotlib is an amazingvisualization library in Python for 2D plots of arrays. Matplotlib is a multi-platformdata visualization library built on NumPy arrays and designed to work with the broader SciPy stack. It was introduced by John Hunter in the year 2002.

Step 8: install the **Scikit-learn** package . to enter the **Scikit-learn** package enter thecommand in the CMD,exe

      Command: Pip install Scikit-learn

Scikit-learn :

        This is a machine learning library for the Python programming language. Thispackage is pre-installed in anaconda.

- Scikit learn in python is mostly used in python for focusing on the modeling. It simplyfocused on modeling not focused on loading the data.

Step 9 : install the **Flask** package . to enter the **Flask** packageenter the command in theCMD,exe

       Command: Pip install Flask

Flask :

       Flask is a lightweight WSGI web application framework Flask is a web application framework written in Python. Armin Ronacher, who leads an international group of Python enthusiasts named Pocco, develops it. Flask is based on Werkzeug WSGI toolkit and Jinja2 template engine. Both are Pocco projects.

```
Anaconda Powershell Prompt (anaconda3)

Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: numpy>=1.17 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: cycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)
(base) PS C:\Users\ganesh> pip install seaborn
Requirement already satisfied: seaborn in c:\users\ganesh\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: numpy>=1.15 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: pandas>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: scipy>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: matplotlib>=2.2 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.4.2)
Requirement already satisfied: cycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (9.2.0)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)
(base) PS C:\Users\ganesh> pip install sklearn
Collecting sklearn
  Downloading sklearn-0.0.post1.tar.gz (3.6 kB)
  Preparing metadata (setup.py) ... done
Building wheels for collected packages: sklearn
  Building wheel for sklearn (setup.py) ... done
  Created wheel for sklearn: filename=sklearn-0.0.post1-py3-none-any.whl size=2936 sha256=3b409797847b2f47549dd37f115631583a6c4a7d120ce4e38d51748c7e5c215d
  Stored in directory: c:\users\ganesh\appdata\local\pip\cache\wheels\f8\e0\3d\9d0c2020c44a519b9f02ab4fa6d2a4a996c98d79ab2f569fa1
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0.post1
(base) PS C:\Users\ganesh> pip install flask
Requirement already satisfied: flask in c:\users\ganesh\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: click>=5.1 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: colorama in c:\users\ganesh\anaconda3\lib\site-packages (from click>=5.1->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask) (2.0.1)
(base) PS C:\Users\ganesh>
```