

TEAM ID: PNT2022TMID21777

## PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

```
Anaconda Prompt (anaconda) x + v
(base) C:\Users\Monica>jupyter notebook
[I 2022-11-14 19:24:58.414 LabApp] JupyterLab extension loaded from C:\Users\Monica\anaconda3\lib\site-packages\jupyterlab
[I 2022-11-14 19:24:58.414 LabApp] JupyterLab application directory is C:\Users\Monica\anaconda3\share\jupyter\lab
[I 19:24:58.414 NotebookApp] Serving notebooks from local directory: C:\Users\Monica
[I 19:24:58.414 NotebookApp] Jupyter Notebook 6.4.12 is running at:
[I 19:24:58.414 NotebookApp] http://localhost:8888/?token=8481154515418a4732e77758da3fb5f9ff04c85a26bb0856
[I 19:24:58.414 NotebookApp] or http://127.0.0.1:8888/?token=8481154515418a4732e77758da3fb5f9ff04c85a26bb0856
[I 19:24:58.414 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 19:24:58.445 NotebookApp]

To access the notebook, open this file in a browser:
file:///C:/Users/Monica/AppData/Roaming/jupyter/runtime/nbserver-22536-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=8481154515418a4732e77758da3fb5f9ff04c85a26bb0856
or http://127.0.0.1:8888/?token=8481154515418a4732e77758da3fb5f9ff04c85a26bb0856
[I 19:25:31.842 NotebookApp] Kernel started: eb43e73c-9517-4336-98e7-f4bb527d74ae, name: python3
[I 19:25:36.411 NotebookApp] Starting buffering for eb43e73c-9517-4336-98e7-f4bb527d74ae:9eebd10f0f8e4803a40a436d19fb3565
[I 19:25:36.697 NotebookApp] Kernel restarted: eb43e73c-9517-4336-98e7-f4bb527d74ae
[I 19:25:36.705 NotebookApp] Restoring connection for eb43e73c-9517-4336-98e7-f4bb527d74ae:9eebd10f0f8e4803a40a436d19fb3565
[I 19:25:38.226 NotebookApp] Replaying 3 buffered messages
[I 19:25:47.089 NotebookApp] Kernel started: 9763b872-e394-4ee3-9036-6ac0cce1ff83, name: python3
[W 19:25:53.198 NotebookApp] 400 GET /api/contents/OneDrive/Documents/IBM/fdemand.pkl?type=file&format=text&_1668434153121 (::1): C:\Users\Monica\OneDrive\Documents\IBM\fdemand.pkl is not UTF-8 encoded
[W 19:25:53.198 NotebookApp] C:\Users\Monica\OneDrive\Documents\IBM\fdemand.pkl is not UTF-8 encoded
[W 19:25:53.198 NotebookApp] 400 GET /api/contents/OneDrive/Documents/IBM/fdemand.pkl?type=file&format=text&_1668434153121 (::1) 10.900000ms referer=http://localhost:8888/edit/OneDrive/Documents/IBM/fdemand.pkl
[W 19:26:04.690 NotebookApp] delete /OneDrive/Documents/IBM/fdemand.pkl
[I 19:27:32.256 NotebookApp] Saving file at /OneDrive/Documents/IBM/Model_Building.ipynb
[I 19:28:07.878 NotebookApp] Starting buffering for 9763b872-e394-4ee3-9036-6ac0cce1ff83:eaf8f0dbab344a20a5e891956811d473
[I 19:28:08.257 NotebookApp] Kernel restarted: 9763b872-e394-4ee3-9036-6ac0cce1ff83
[I 19:28:08.296 NotebookApp] Restoring connection for 9763b872-e394-4ee3-9036-6ac0cce1ff83:eaf8f0dbab344a20a5e891956811d473
```

```
Anaconda Prompt (anaconda) x + v
Requirement already satisfied: jupyterlab-pygments in c:\users\monica\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.1.2)
Requirement already satisfied: mistune<2,>=0.8.1 in c:\users\monica\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.8.4)
Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\monica\anaconda3\lib\site-packages (from nbconvert->jupyter) (1.5.0)
Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\users\monica\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.5.1)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\monica\anaconda3\lib\site-packages (from jinja2->notebook) (2.0.1)
Requirement already satisfied: fastjsonschema in c:\users\monica\anaconda3\lib\site-packages (from nbformat->notebook) (2.16.2)
Requirement already satisfied: jsonschema>=2.6 in c:\users\monica\anaconda3\lib\site-packages (from nbformat->notebook) (4.16.0)
Requirement already satisfied: pywinpty>=1.1.0 in c:\users\monica\anaconda3\lib\site-packages (from terminado>=0.8.3->notebook) (2.0.2)
Requirement already satisfied: argon2-cffi-bindings in c:\users\monica\anaconda3\lib\site-packages (from argon2-cffi->notebook) (21.2.0)
Requirement already satisfied: psutil in c:\users\monica\anaconda3\lib\site-packages (from ipykernel->jupyter) (5.9.0)
Requirement already satisfied: packaging in c:\users\monica\anaconda3\lib\site-packages (from ipykernel->jupyter) (21.3)
Requirement already satisfied: ipython>=7.23.1 in c:\users\monica\anaconda3\lib\site-packages (from ipykernel->jupyter) (7.31.1)
Requirement already satisfied: matplotlib-inline>=0.1 in c:\users\monica\anaconda3\lib\site-packages (from ipykernel->jupyter) (0.1.6)
Requirement already satisfied: debugpy>=1.0 in c:\users\monica\anaconda3\lib\site-packages (from ipykernel->jupyter) (1.5.1)
Requirement already satisfied: jupyterlab-widgets>=1.0.0 in c:\users\monica\anaconda3\lib\site-packages (from ipywidgets->jupyter) (1.0.0)
Requirement already satisfied: widgetsnbextension>=3.5.0 in c:\users\monica\anaconda3\lib\site-packages (from ipywidgets->jupyter) (3.5.2)
Requirement already satisfied: prompt-toolkit!=3.0.0,!<3.0.1,>=2.0.0 in c:\users\monica\anaconda3\lib\site-packages (from jupyter-console->jupyter) (3.0.20)
Requirement already satisfied: qtpy in c:\users\monica\anaconda3\lib\site-packages (from qtconsole->jupyter) (2.2.0)
Requirement already satisfied: backcall in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.2.0)
Requirement already satisfied: colorama in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.4.5)
Requirement already satisfied: decorator in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (5.1.1)
Requirement already satisfied: pickleshare in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter)
```

```
Anaconda Prompt (anaconda) X + v
Requirement already satisfied: qtpy in c:\users\monica\anaconda3\lib\site-packages (from qtconsole->jupyter) (2.2.0)
Requirement already satisfied: backcall in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.2.0)
Requirement already satisfied: colorama in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.4.5)
Requirement already satisfied: decorator in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (5.1.1)
Requirement already satisfied: pickleshare in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.7.5)
Requirement already satisfied: setuptools>=18.5 in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (63.4.1)
Requirement already satisfied: jedi>=0.16 in c:\users\monica\anaconda3\lib\site-packages (from ipython>=7.23.1->ipykernel->jupyter) (0.18.1)
Requirement already satisfied: pyrsistent!=0.17.0,!0.17.1,!0.17.2,>=0.14.0 in c:\users\monica\anaconda3\lib\site-packages (from jsonschema>=2.6->nbformat->notebook) (0.18.0)
Requirement already satisfied: attrs>=17.4.0 in c:\users\monica\anaconda3\lib\site-packages (from jsonschema>=2.6->nbformat->notebook) (21.4.0)
Requirement already satisfied: wcwidth in c:\users\monica\anaconda3\lib\site-packages (from prompt-toolkit!=3.0.0,!3.0.1,<3.1.0,>=2.0.0->jupyter-console->jupyter) (0.2.5)
Requirement already satisfied: six>=1.5 in c:\users\monica\anaconda3\lib\site-packages (from python-dateutil>=2.8.2->jupyter-client>=5.3.4->notebook) (1.16.0)
Requirement already satisfied: cffi>=1.0.1 in c:\users\monica\anaconda3\lib\site-packages (from argon2-cffi-bindings->argon2-cffi->notebook) (1.15.1)
Requirement already satisfied: soupsieve>1.2 in c:\users\monica\anaconda3\lib\site-packages (from beautifulsoup4->nbconvert->jupyter) (2.3.1)
Requirement already satisfied: webencodings in c:\users\monica\anaconda3\lib\site-packages (from bleach->nbconvert->jupyter) (0.5.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\monica\anaconda3\lib\site-packages (from packaging->ipykernel->jupyter) (3.0.9)
Requirement already satisfied: pycparser in c:\users\monica\anaconda3\lib\site-packages (from cffi>=1.0.1->argon2-cffi-bindings->argon2-cffi->notebook) (2.21)
Requirement already satisfied: parso<0.9.0,>=0.8.0 in c:\users\monica\anaconda3\lib\site-packages (from jedi>=0.16->ipython>=7.23.1->ipykernel->jupyter) (0.8.3)
```

```
Anaconda Prompt (anaconda) X + v
(base) C:\Users\Monica>pip install numpy
Requirement already satisfied: numpy in c:\users\monica\anaconda3\lib\site-packages (1.21.5)

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

(base) C:\Users\Monica>pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\monica\anaconda3\lib\site-packages (3.5.2)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: packaging>=20.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: cycler>=0.10 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: numpy>=1.17 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: pillow>=6.2.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: six>=1.5 in c:\users\monica\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

(base) C:\Users\Monica>pip install seaborn
Requirement already satisfied: seaborn in c:\users\monica\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: pandas>=0.23 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: scipy>=1.0 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: matplotlib>=2.2 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: numpy>=1.15 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: cycler>=0.10 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
```

```
Anaconda Prompt (anaconda) X + -

(base) C:\Users\Monica>pip install seaborn
Requirement already satisfied: seaborn in c:\users\monica\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: pandas>=0.23 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: scipy>=1.0 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: matplotlib>=2.2 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: numpy>=1.15 in c:\users\monica\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: cycler>=0.10 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.4.2)
Requirement already satisfied: packaging>=20.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: pillow>=6.2.0 in c:\users\monica\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (9.2.0)
Requirement already satisfied: pytz>=2020.1 in c:\users\monica\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\monica\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)

(base) C:\Users\Monica>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=7103f67c9bed49d6048cdf5d6c1e3537590620afccd7112f5c683a040f1bdb00
  Stored in directory: c:\users\monica\appdata\local\pip\cache\wheels\f8\e0\3d\9d0c2020c44a519b9f02ab4fa6d2a4a996c98d79ab2f569fa1
Successfully built sklearn
```