**Creating Machine Learning Environment**

**Create a New Repo**

On Github, create a new repo called \*\*Gainesville Crimes\*\* and clone it to your desktop.

Next, add the “data “files from the FinalProject Repository

**Configuration Files**

Launch the Anaconda Prompt

Deactivate this environment

* ``` sh conda deactivate

Update the global conda environment

* ``` sh conda update conda

Press ENTER

Press the “Y” key (for “yes”)

Press ENTER

Next type:

* ```sh conda create -n mlenv python=3.7 anaconda

Press the “Y” key (for “yes”)

press ENTER

Activate mlenv environment

* ```sh conda activate mlenv and press ENTER

Confirm the package dependencies are satisfied in our mlenv environment:

Type:

* ```sh Conda list |findstr numpy
* ```sh Conda list |findstr Scipy
* ```sh Conda list |findstr Scikit-Learn

Install imbalance learn package

(with mlenv environment activated) type:

* ```sh conda install -conda -forge imbalanced learn

Then press Enter.

Press the "Y" key (for "yes") and press Enter.

To use the mlenv environment we just created in the Jupyter Notebook, we need to add mlenv to the kernel in Jupyter Notebook type:

* ```sh python -m ipkernal install –user—name mlenv and press Enter.

Install the remaining libraries into your new environment.

* ```sh

pip install flask

pip install flask-sqlalchemy

pip install panda

pip install psycopg2

**Creating Database**

* Login to pgAdmin with password

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

* Click: Servers > PostgeSQL > Databases> Create > Database > name <cityofintrest\_crime>
* Navigate to the CreateTables.sql in Final Project Repository
* Create new query tool

Graphical user interface, application

Description automatically generated



* Paste text in query tool
* Refresh database and view tables

Graphical user interface, text, application, chat or text message

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generated

* Import csv from data folder and repeat for all three folders

Graphical user interface, application, Teams

Description automatically generated

**Database Connection**

* Launch jupyter notebook
* Make database connection with jupyter notebook

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