For open a ML notebook we did

Opening a powershell:

**Create a folder >> Hold Shift and Right Click >> Select “Open PowerShell Window Here”**

Installing the python important packages

**Type: pip3 install –upgrade pip**

Importing **Jupyter notebook, Matplotlib, Numpy, Pandas, Scipy, Scikit-learn"**

**Type: python -c "import jupyter, matplotlib, numpy, pandas, scipy, sklearn"**

After importing the packages open jupyter notebook for type the coding;

“**jupyter notebook**”

For importing the database we collecte the housing data form

<https://archive.ics.uci.edu/ml/machine-learning-databases/housing/>

Using Pandas for store the Dataset in the data frame

**“import pandas as pd”**

**“housing = pd.read\_csv("data.csv")”**

For checking is the data ok or not

**“housing.head()”**

We can see the actual data of our housing with all the attributes and also how it looks like.

For check how many int value and float value inside the dataset also is there any NAL value or not. We can find it easily.

**“housing.info()”**

We can find the mean std deviation min 25% 50% 75% max value for our dataset with:

**“housing.describe()”**

Let, we wanted to check how the matplot looks like

**%matplotlib inline**

**import matplotlib.pyplot as plt**

**housing.hist(bins=50, figsize=(20, 15))**

we can see the data as a plotting table with all the attributes we use in our dataset.