

PNT2022TMID21280_Efficient Water Quality Analysis & Prediction using Machine Learning.

```
In [7]: pip install numpy
```

Requirement already satisfied: numpy in c:\users\lenovo\anaconda3\lib\site-packages (1.21.5)

Note: you may need to restart the kernel to use updated packages.

```
In [8]: pip install pandas
```

Requirement already satisfied: pandas in c:\users\lenovo\anaconda3\lib\site-packages (1.4.4)

Requirement already satisfied: numpy>=1.18.5 in c:\users\lenovo\anaconda3\lib\site-packages (from pandas) (1.21.5)

Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\lenovo\anaconda3\lib\site-packages (from pandas) (2.8.2)

Requirement already satisfied: pytz>=2020.1 in c:\users\lenovo\anaconda3\lib\site-packages (from pandas) (2022.1)

Requirement already satisfied: six>=1.5 in c:\users\lenovo\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)

Note: you may need to restart the kernel to use updated packages.

```
In [9]: pip install matplotlib
```

Requirement already satisfied: matplotlib in c:\users\lenovo\anaconda3\lib\site-packages (3.5.2)

Requirement already satisfied: pyparsing>=2.2.1 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (3.0.9)

Requirement already satisfied: numpy>=1.17 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (1.21.5)

Requirement already satisfied: pillow>=6.2.0 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (9.2.0)

Requirement already satisfied: cyclor>=0.10 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (0.11.0)

Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (1.4.2)

Requirement already satisfied: fonttools>=4.22.0 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (4.25.0)

Requirement already satisfied: python-dateutil>=2.7 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (2.8.2)

Requirement already satisfied: packaging>=20.0 in c:\users\lenovo\anaconda3\lib\site-packages (from matplotlib) (21.3)

Requirement already satisfied: six>=1.5 in c:\users\lenovo\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

Note: you may need to restart the kernel to use updated packages.

```
In [10]: pip install scikit-learn
```

Requirement already satisfied: scikit-learn in c:\users\lenovo\anaconda3\lib\site-packages (1.0.2)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\lenovo\anaconda3\lib\site-packages (from scikit-learn) (2.2.0)
Requirement already satisfied: joblib>=0.11 in c:\users\lenovo\anaconda3\lib\site-packages (from scikit-learn) (1.1.0)
Requirement already satisfied: numpy>=1.14.6 in c:\users\lenovo\anaconda3\lib\site-packages (from scikit-learn) (1.21.5)
Requirement already satisfied: scipy>=1.1.0 in c:\users\lenovo\anaconda3\lib\site-packages (from scikit-learn) (1.9.1)
Note: you may need to restart the kernel to use updated packages.

In [11]: `pip install Flask`

Requirement already satisfied: Flask in c:\users\lenovo\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\lenovo\anaconda3\lib\site-packages (from Flask) (2.0.3)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\lenovo\anaconda3\lib\site-packages (from Flask) (2.11.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\lenovo\anaconda3\lib\site-packages (from Flask) (2.0.1)
Requirement already satisfied: click>=5.1 in c:\users\lenovo\anaconda3\lib\site-packages (from Flask) (8.0.4)
Requirement already satisfied: colorama in c:\users\lenovo\anaconda3\lib\site-packages (from click>=5.1->Flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\lenovo\anaconda3\lib\site-packages (from Jinja2>=2.10.1->Flask) (2.0.1)
Note: you may need to restart the kernel to use updated packages.

In []: