

PDAT 617 Assignment 8

In this project, we are going to build a MLP based on Iris data set.(100 points)

Data explain:

Target Variable: The type of iris flower that is Iris Setosa, Iris Versicolour, Iris Virginica

Each of these Flowers have 4 features:

Petal Length; Petal Width; Sepal Length; Sepal Width

Construct a multilayer perceptron neural network (MLP) with an input layer (4 neurons), a hidden layer (10 neurons) and an output layer for classification into 3 classes (3 neurons) for Iris data set. Please show your confusion matrix.

Here is the code to load our dataset.

```
from sklearn.datasets import load_iris
iris = load_iris()
iris
iris.target
```