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In [ ]: # Author : Amir Shokri
         # github link : https://github.com/amirshnll/Cryotherapy
         # dataset link : http://archive.ics.uci.edu/ml/datasets/Cryotherapy+Dataset+
         # email : amirsh.nll@gmail.com
In [64]: import matplotlib.pyplot as plt
         import pandas as pd
         from sklearn import datasets
         from pandas.plotting import scatter matrix
         from sklearn.model selection import train test split
In [65]: col_names= ['Result_of_Treatment','sex', 'age', 'Time', 'Number_of_Warts', 'Ty
         pe', 'Area' ]
         cry= pd.read csv("Cryotherapy.csv", header=None, names=col names)
In [66]: inputs =cry.drop('sex',axis='columns')
         target =cry['Result of Treatment']
In [67]: input train, input test, target train, target test = train test split(inputs,
         target, test size=0.3, random state=1)
In [95]: from sklearn.neural network import MLPClassifier
         mlp = MLPClassifier(hidden layer sizes=(7,6), max iter=5000)
         mlp.fit(input_train, target_train)
Out[95]: MLPClassifier(hidden_layer_sizes=(7, 6), max_iter=5000)
In [96]: | from sklearn.metrics import accuracy_score
         predictions_train =mlp.predict(input_train)
         print("accuracy for train data: ", accuracy_score(predictions_train, target_tr
         ain))
         y_pred=mlp.predict(input_test)
         print("accuracy for test data: ", accuracy_score(y_pred, target_test))
         accuracy for train data: 1.0
         accuracy for test data: 1.0
```

Classification Report:

	precision	recall	f1-score	support
0	1.00	1.00	1.00	14
1	1.00	1.00	1.00	13
accuracy			1.00	27
macro avg	1.00	1.00	1.00	27
weighted avg	1.00	1.00	1.00	27

Accuracy: 1.0