In [ ]:
```
# Author : Amir Shokri
# github link : https://github.com/amirshnll/Cryotherapy
# dataset link : http://archive.ics.uci.edu/ml/datasets/Cryotherapy+Dataset+
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```

In [1]:
```
import pandas as pd
from sklearn.model_selection import train_test_split
import numpy as np
from sklearn.linear_model import LogisticRegression
```

In [2]:
```
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 [3]:
```
inputs =cry.drop('Result_of_Treatment',axis='columns')
target =cry['Result_of_Treatment']
```

In [4]:
```
input_train,input_test,target_train,target_test=train_test_split(inputs,target
,test_size=0.3,random_state=1)
```

In [5]:
```
reg = LogisticRegression()
reg.fit(input_train,target_train)
y_pred=reg.predict(input_test)
```

In [6]:
```
from sklearn.metrics import classification_report, confusion_matrix, accuracy_
score
result1 = classification_report(target_test, y_pred)
print("Classification Report:",)
print (result1)
result2 = accuracy_score(target_test,y_pred)
print("Accuracy:",result2)
```

```
Classification Report:
              precision    recall  f1-score   support

           0       0.87      0.93      0.90        14
           1       0.92      0.85      0.88        13

    accuracy                           0.89        27
   macro avg       0.89      0.89      0.89        27
weighted avg       0.89      0.89      0.89        27

Accuracy: 0.8888888888888888
```