

# ① Logistic Regression Implementation (Workflow):

i) Import Libraries: Pandas, Numpy, Matplotlib

ii) Import Datasets: `df = Pd.read_csv('...')`

iii) Pre - Processing:  
Removes duplicates.  
Handle Categorical data.  
Null Values.

iv) Split Dataset:  
`X = df.drop('target', axis = 1)`  
`Y = df['target']`

Code:

```
X_train, X_test, Y_train, Y_test = train_test_split  
(X, Y, test_size = 0.2, random_state = 42)
```

```
# from sklearn.model_selection import train_test_split
```

v) Model Training:  
`regressor = LogisticRegression`  
`regressor.fit(X_train, Y_train)`

```
# from sklearn.linear_model import LogisticRegression
```

vi) Result Prediction:  
`Y_pred = regressor.predict(X_test)`

```
# sklearn.metrics ==> accuracy_score, classification_report
```

vii) Model Evaluation:

```
Score = accuracy_score(Y_pred, Y_test)
```

```
report = classification_report(Y_pred, Y_test)
```