AM

To analyze the performance of a classifier using Sastical evaluation metrics.

OBJECTIVE

To compute statistical performance measurement such as precision, recall, fl-score, and confusion matrix.

> To interpret the classifier's behavior on test data

PSEVDOCODE.

#ISE THE TRAINED MODEL FROM EXP-2 Y-pred= model.predict (x-test)

from stleam metrics import confusion_matrix, classification_report.

cm = confusion-matrix (y-test, y-pred)

print ("Confusion Yadrix: \n", cm)

report = clarrification-report(y-test, \pred)

print ("Clarrification leport (n', report).

OBSERVATION
Ascuracy
Precision
Pecall
1-Score

Clarrification Report Logistic Regression				
1	recisión 1.00 1.00	recall 1.00 0-62 1.00	fl-score 1.00 0.76 0-84	5499x 13 13
marso and welighted and	0-91	0-87 0-87	0-89 0-83	45
Clausification Setosa versicolos	Report - prevision 0-92 1-00 1-00	n recall 1.00 1.00	leggession 1718 core 0-26 1.00	Rowald Supplied 13
virginica accuracy marso and weighted and	0.92	0-89 0-87	0 - 83 0 -87 0 - 87	45

The domitier was evaluated using statistical parameters. It showed excellent precision recall, FI-scure, confining its reliability for multiloss classification tasks.





