Experiment 3-Study of Classifiers 6/8/25 Parameters. Classifiers classifiers using statistical parameters like accuracy, precision, recall & +1 score. modet of Damport required abranies. Bendocode: ile · pandas, scikit-learn, metrics, Zlon frain-test split. (iris dataset). 2) Load the Obtaset (open-source). affo MEPA July B) Split into features & labels. 2 hours sets: sned at 1299 5) For each classifier: · Instantiate. · Fit on training data. To. Bredict. · Calculate metricis. 6) Compare statistical presults. · Statistical parameters like accuracy, Observation: precision, recall, and F-1 score are displayed for each classifier. Result: · Performance metrice for each classifier are tabulated & compared. · Randon forest dassifier may outperform Others on the chosen dataset.

Wisterson

. (topotob).

Classifier	+ Accuracy	Precision	Recall	<u>f-1</u>
torest	rolog sol	2 3/01		1
Decision Tree	1 Lanced of	tragent	1	1
Maire	0.977 to	0.976)	0.97	9 0974

Random forest & Decision Tree appear to have same results.

It seems to have been oversitted but the simplicity of inis' dataset makes this occur.

addison berishole morned a

beauties . Statement britished. Iteles accuracy

TOPLIZZARE ATOS TOST BOUNDED TO

does not window someone of

erialisated as reminer

jupyter-ra2311047010014@cintel:~/DLT\$ python knn-week2.py

Random Forest Results:

Accuracy: 1.0 Precision: 1.0 Recall: 1.0 F1 Score: 1.0

Decision Tree Results:

Accuracy: 1.0 Precision: 1.0 Recall: 1.0 F1 Score: 1.0

Naive Bayes Results: