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1	Exploring the. Deep Learning Platforms & Framewood	a 81/07/2025;	Charles of the same
2	Implement a Classifier using an open-source dotabet of		
3	Study of Classifiers with respect to Statistical	7/8/2025	113/8/1
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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.

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Classifier	+ Accuracy	Precision	Recall	<u>f-1</u>
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Decision Tree	1 Lanced on	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.

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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: