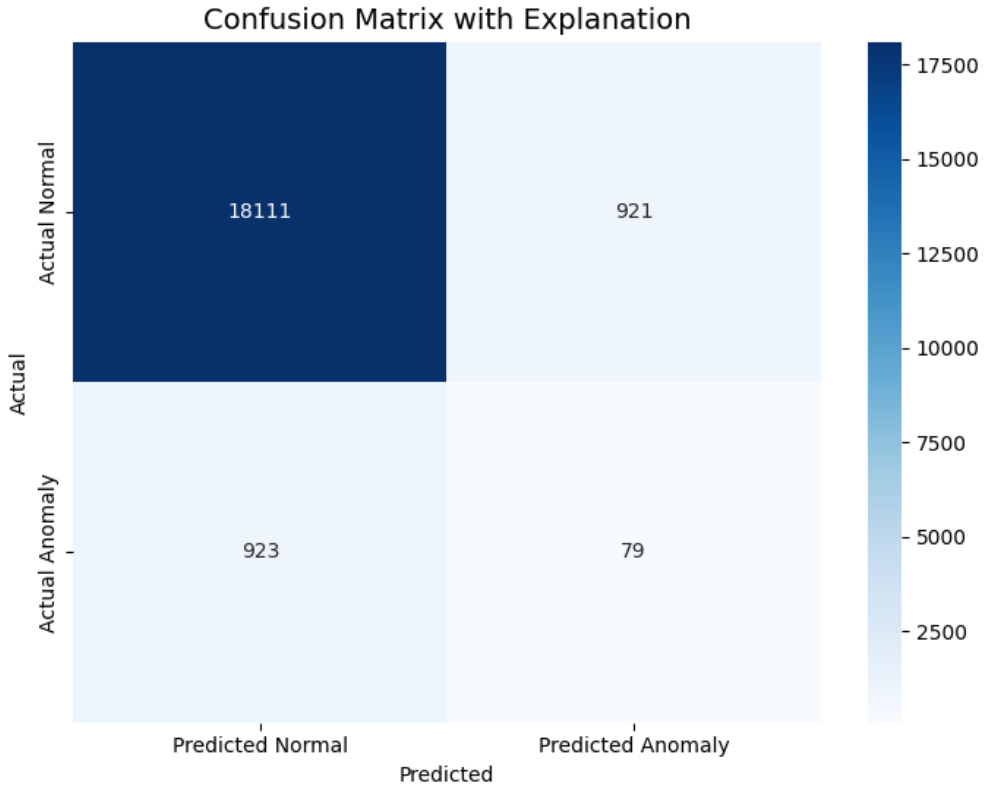
Total: 20034 Correct: 18190 (90.80%)
Wrong: 1844 (9.20%)
Normal → Anomaly (FP): 921 Anomaly → Normal (FN): 92
True Positives (TP): 79 True Negatives (TN): 18111
Accuracy: 90.80% F1 Score: 0.0789

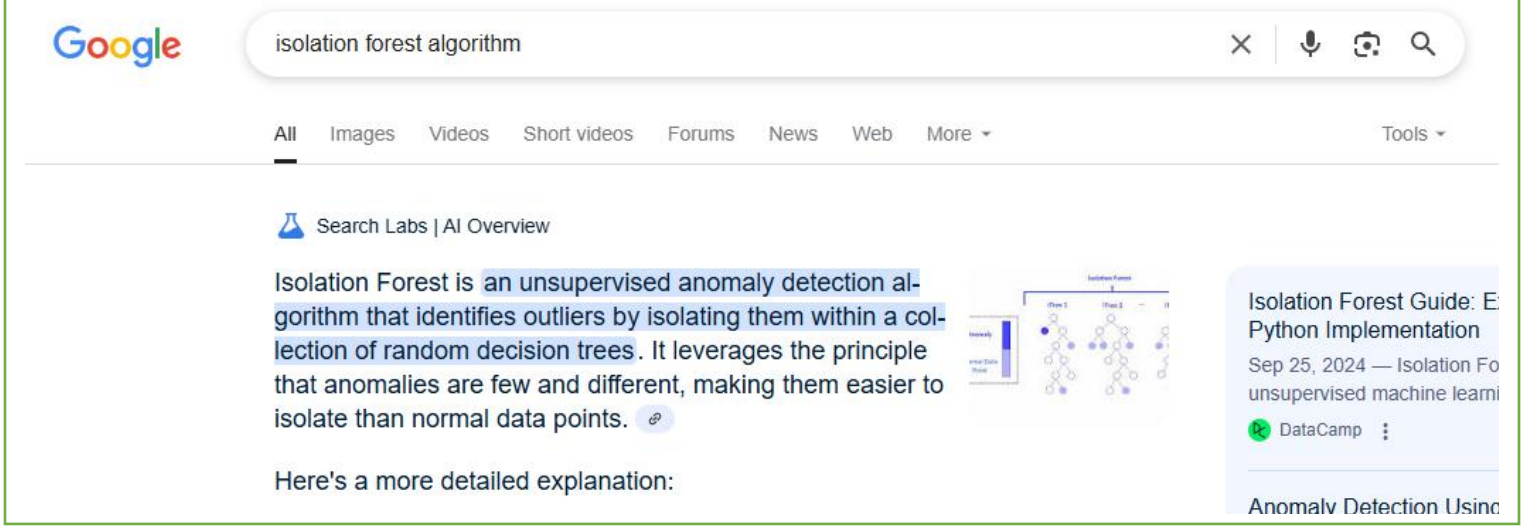


We Take a Unsupervised Network Traffic Log Data : sample.csv

Source : https://www.cecresearch.com/

Make it leveled using isolation forest Algorithm , like which traffic is 'normal ' or 'anomaly' : classified_traffic_full.csv

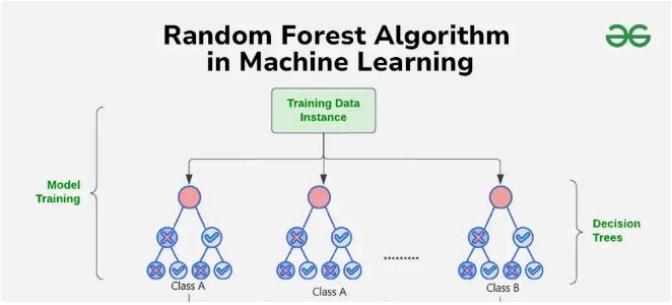
About : isolation forest Algorithm



Now with this leveled data , we train a model using Random forest classifier : rf_anomaly_model.pkl

about

https://www.geeksforgeeks.org/random-forest-algorithm-in-machine-learning/



After that we tell model to create a prediction on unsupervised data for ‘anomaly’

Now it create a leveled data with prediction : test_output.csv

Then we match the supervised data , with machine leveled data

And calculate the error rate and False positive and False Negative