1. Montreal:

Accuracy: 0.6751012145748988

Prediction time: 0.09977483749389648 seconds

Precision: 0.6905630551117952

Recall: 0.6751012145748988

F1 score: 0.6683743828614562

Tuned:

Fitting 5 folds for each of 10 candidates, totalling 50 fits

{'n\_estimators': 150, 'max\_samples': 'auto', 'max\_features': 0.5, 'contamination': 0.2}

Accuracy: 0.7572296124927704

Prediction time: 0.14643359184265137 seconds

Precision: 0.7597257263310845

Recall: 0.7572296124927704

F1 score: 0.7566449168609318

1. Padua：

Accuracy: 0.7574709804890096

Prediction time: 0.10485315322875977 seconds

Precision: 0.8012806855446982

Recall: 0.7574709804890096

F1 score: 0.7483217464129476

Tuned:

Fitting 5 folds for each of 10 candidates, totalling 50 fits

{'n\_estimators': 150, 'max\_samples': 'auto', 'max\_features': 1.0, 'contamination': 0.2}

Accuracy: 0.8674981476907878

Prediction time: 0.1665201187133789 seconds

Precision: 0.8735412150006919

Recall: 0.8674981476907878

F1 score: 0.8669600750571342

1. Princeton:

Accuracy: 0.377884111169376

Prediction time: 0.22359800338745117 seconds

Precision: 0.3147548144512728

Recall: 0.377884111169376

F1 score: 0.31994554837497263

Tuned:

{'n\_estimators': 50, 'max\_samples': 'auto', 'max\_features': 0.5, 'contamination': 'auto'}

Accuracy: 0.40239905610907184

Prediction time: 0.10919189453125 seconds

Precision: 0.38600169801694945

Recall: 0.40239905610907184

F1 score: 0.38010795241295026