1. Montreal:

Accuracy: 0.6807864681220183

Prediction time: 6.195141077041626 seconds

Precision: 0.6981579055584248

Recall: 0.6807864681220183

F1 score: 0.6736337753788423

Tuned:

Best parameters: {'svc\_\_C': 9.256818992066876, 'svc\_\_gamma': 0.056676289324798, 'svc\_\_kernel': 'rbf'}

Accuracy: 0.6991470290588405

Prediction time: 7.4883482456207275 seconds

Precision: 0.7065792536111437

Recall: 0.6991470290588405

F1 score: 0.696416477869147

1. Padua:

Best parameters: {'svc\_\_C': 9.256818992066876, 'svc\_\_gamma': 0.056676289324798, 'svc\_\_kernel': 'rbf'}

Accuracy: 0.8073218915915545

Prediction time: 8.463815212249756 seconds

Precision: 0.8117291363778969

Recall: 0.8073218915915545

F1 score: 0.8066384523704316

Tuned:

Accuracy: 0.8294233856031609

Prediction time: 10.373313188552856 seconds

Precision: 0.831000231000231

Recall: 0.8294233856031609

F1 score: 0.8292199917345742

1. Princeton:

Accuracy: 0.4742068694284216

Prediction time: 6.949120998382568 seconds

Precision: 0.3247005930540304

Recall: 0.4742068694284216

F1 score: 0.3317189132656944

Tuned:

Best parameters: {'svc\_\_C': 4.119839624605186, 'svc\_\_gamma': 0.09960912999234932, 'svc\_\_kernel': 'rbf'}

Accuracy: 0.47610776088096485

Prediction time: 7.672613143920898 seconds

Precision: 0.31941320133803075

Recall: 0.47610776088096485

F1 score: 0.33098147919841114