

# CSCI4150U: Data Mining

## Lab 04

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### Part I:

#### 1.

Average and individual trial results across 5 randomized trials using accuracy, precision and f1 scores as performance metrics based on a (90%-train and 10%-test) **holdout** validation method, decision tree classifiers and Gini impurity.

Figure 1: Decision tree performance based on hold-out method and Gini impurity using Statlog German Credit Dataset

Figure 2: Decision tree performance based on hold-out method and Gini impurity using Waveform Dataset