



Training Troub Resorts		
ML Trained Model	Best Set of Parameter Values	MCC-score on the 5-fold Cross Validation on Training Data (80%)
Multi-layer Neural Network Support Vector Machine K-Nearest Neighbors Decision Tree Softmax Regression	{'activation': 'relu', 'hidden_layer_sizes': (100,), 'learning_rate': 'adaptive'}	0. 7836525735692641 0. 7983294268474874 0. 7397595978166842 0. 61866989189139 0. 6324552683237865
Step 8A: Test model Step 8B: Test model Step 8C: Test model Step 8D: Test model Step 8E: Test model		
ML Trained Model	Best Set of Parameter Values	MCC-score on the 5-fold Cross Validation on Testing Data (20%)
Multi-layer Neural Network Support Vector Machine K-Nearest Neighbors Decision Tree Softmax Regression	{'activation': 'relu', 'hidden_layer_sizes': (100,), 'learning_rate': 'adaptive'}	0.8128254011895852 0.8376536252077588 0.7146122136752029 0.8357698654145772 0.6129918409717638