

Image Classification: Art Style

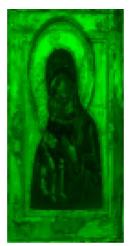
Iconography Painting



Feature Engineering











HOG: Y Direction



Feature Engineering (cont)



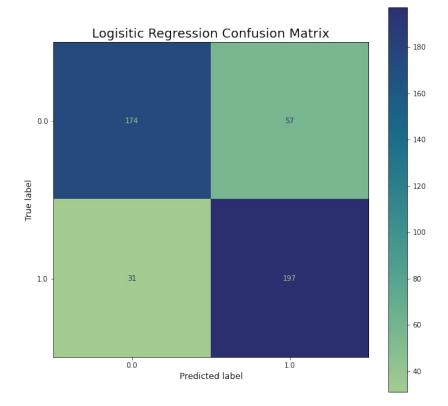
Logistic Regression Model Performance

Accuracy: .81

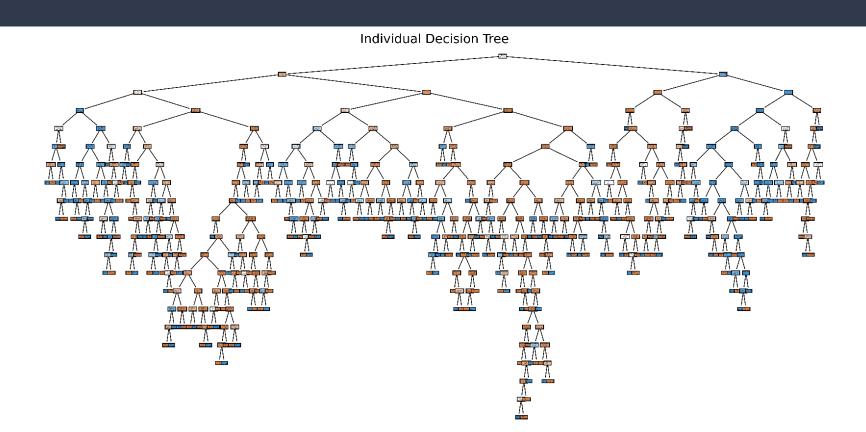
Precision: .81

Recall: .81

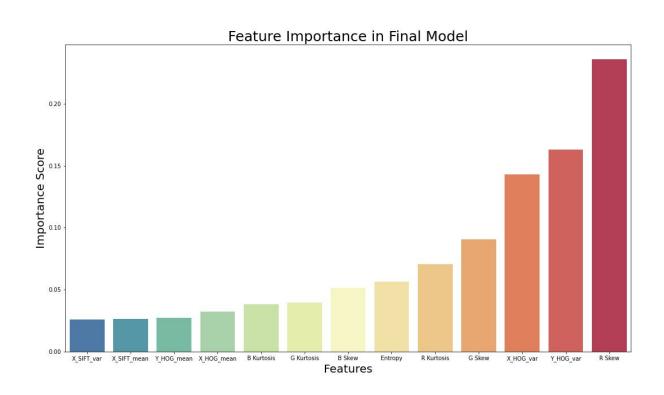
F1: .81



Final Model: Random Forest



Feature Importance



Top Features:

Red Skew Y HOG Variance X HOG Variance Green Skew Red Kurtosis Entropy

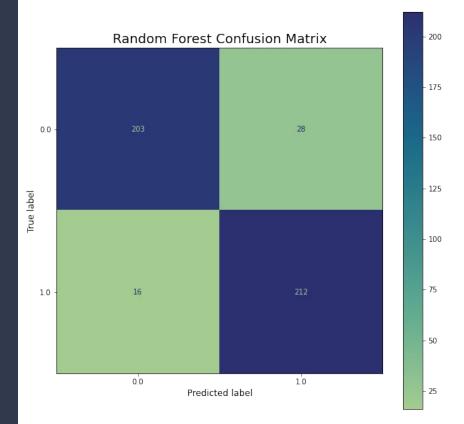
Best Model Performance:

Accuracy: .92

Precision: .92

Recall: .92

F1: .92



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