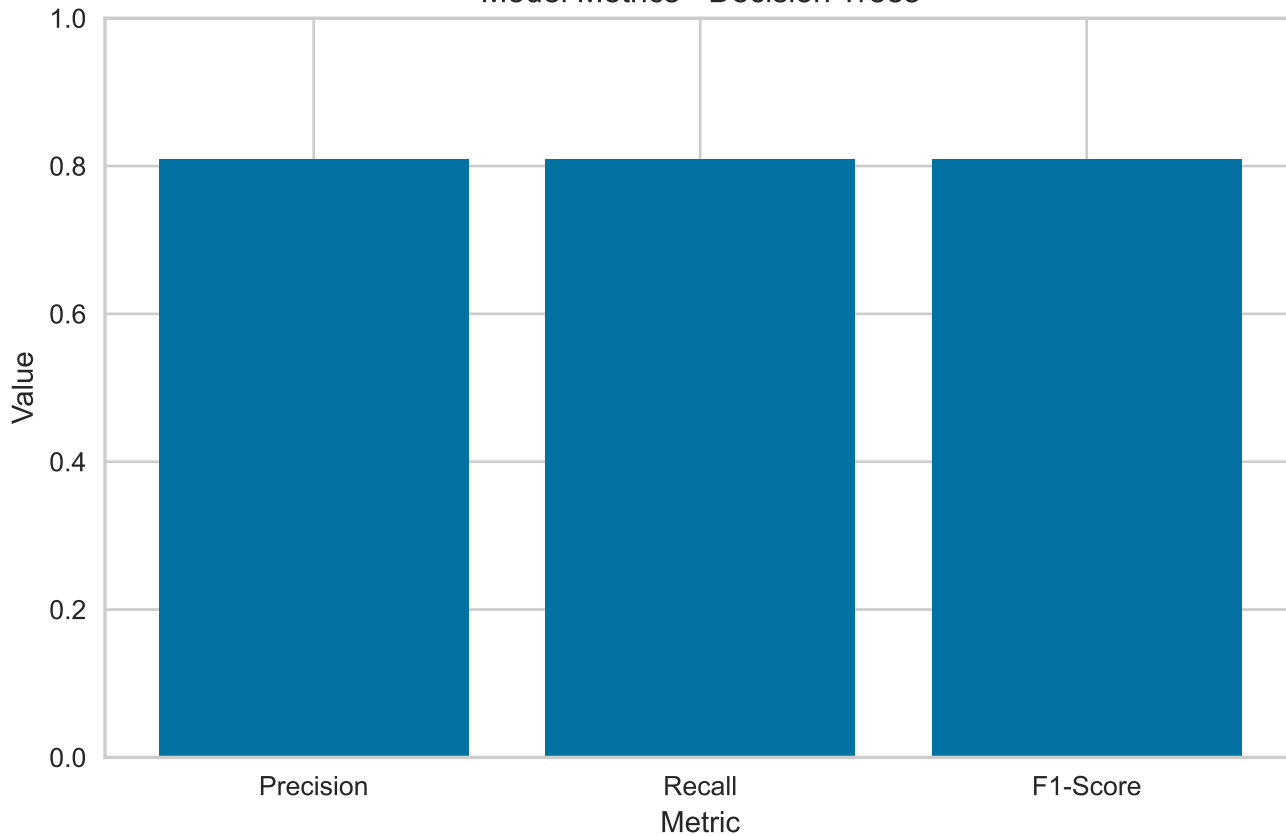
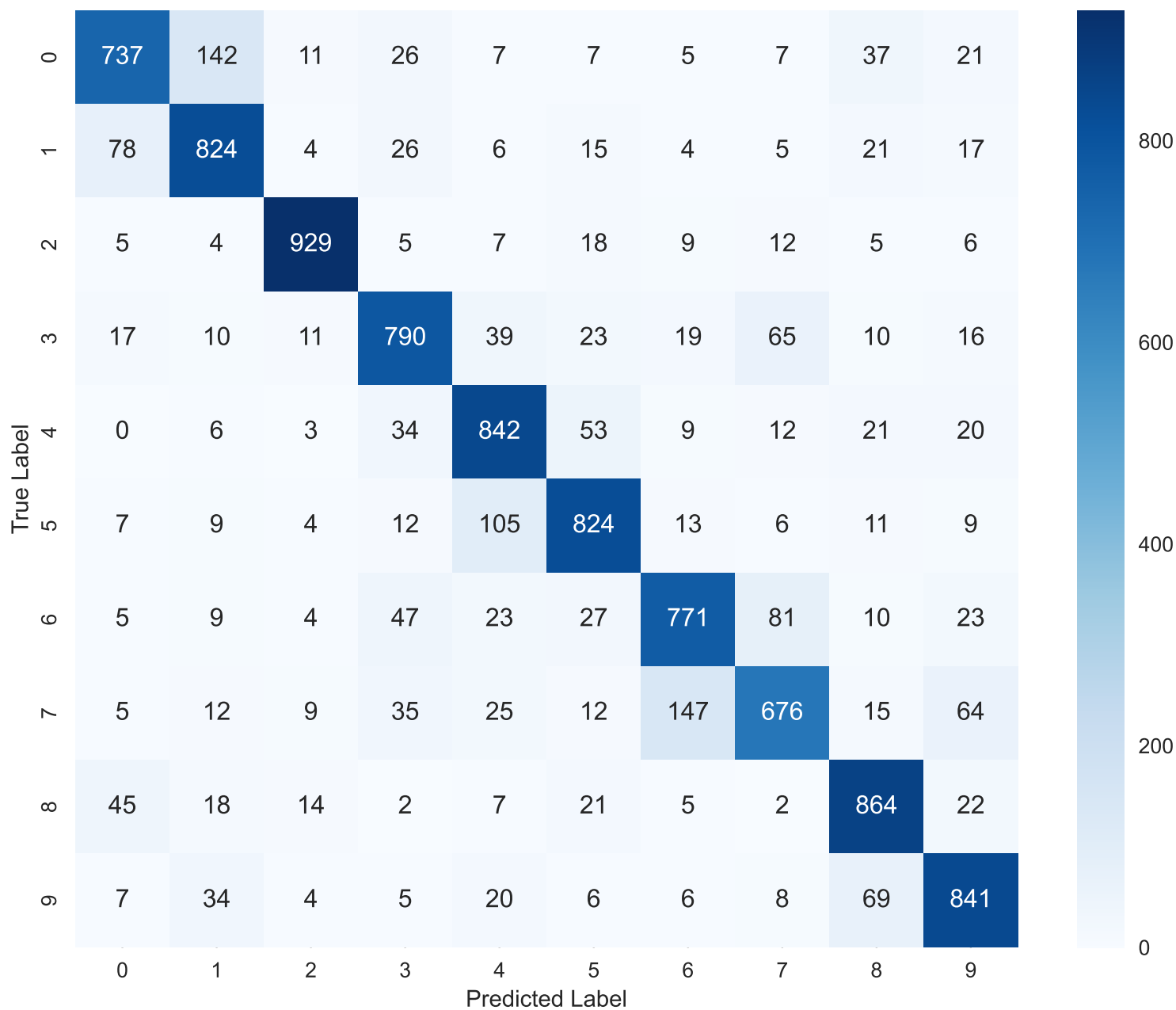


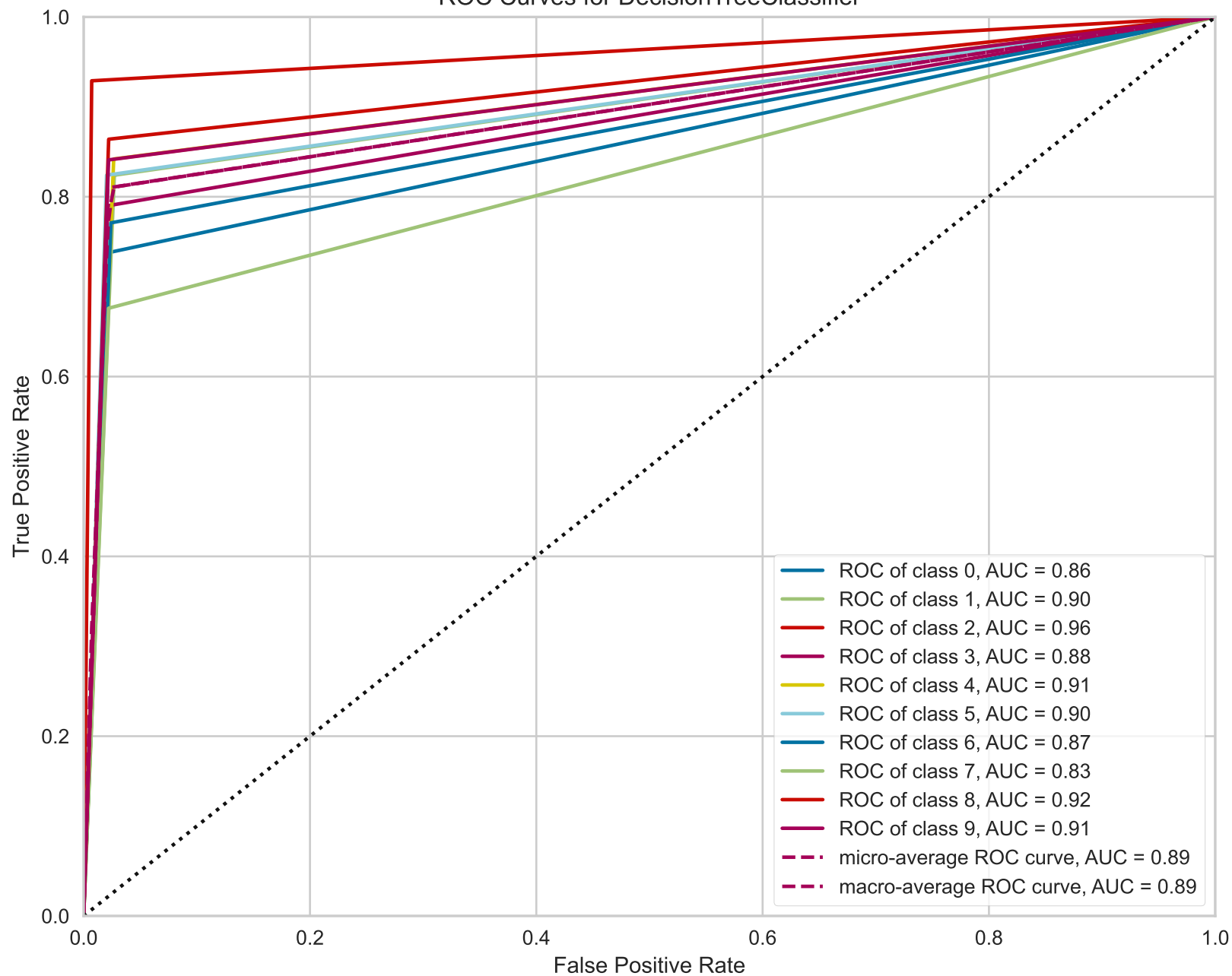
Model Metrics - Decision Trees



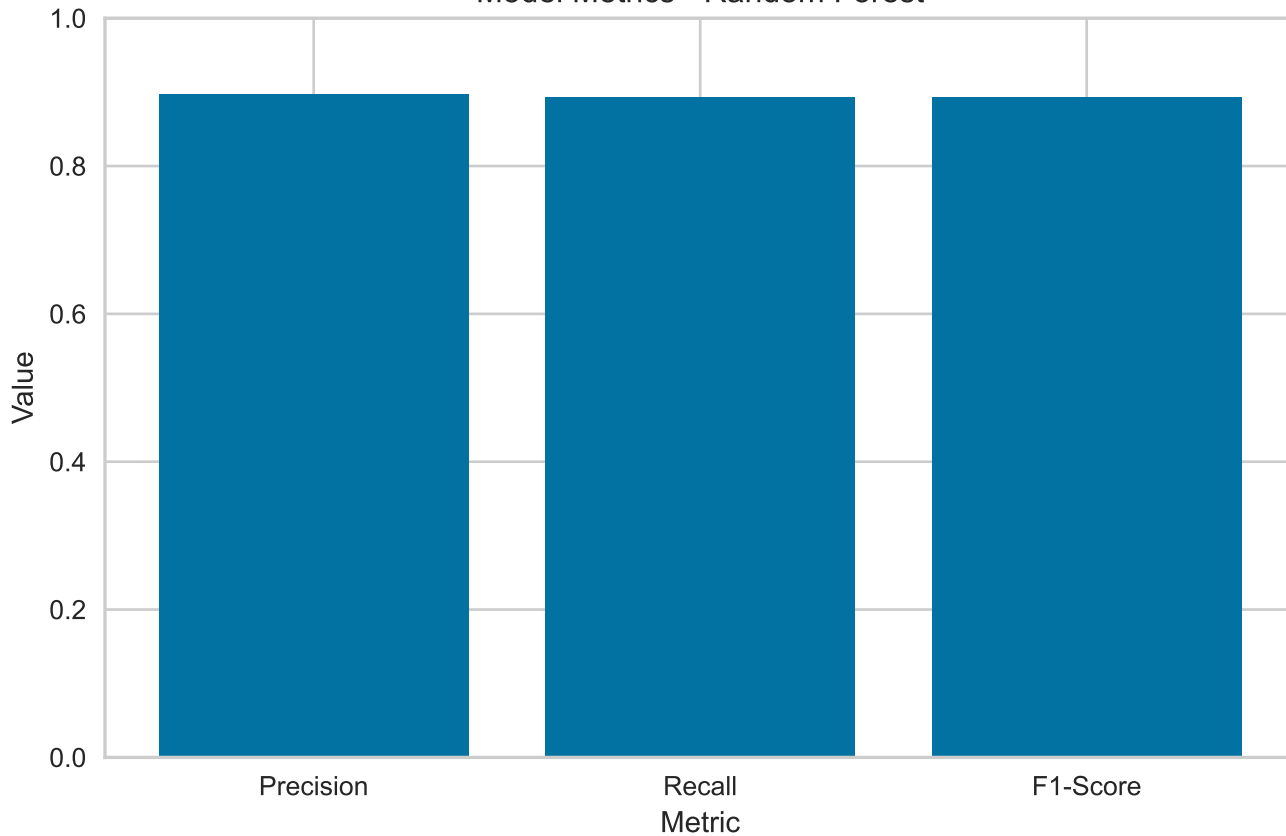
Decision Trees - Confusion Matrix



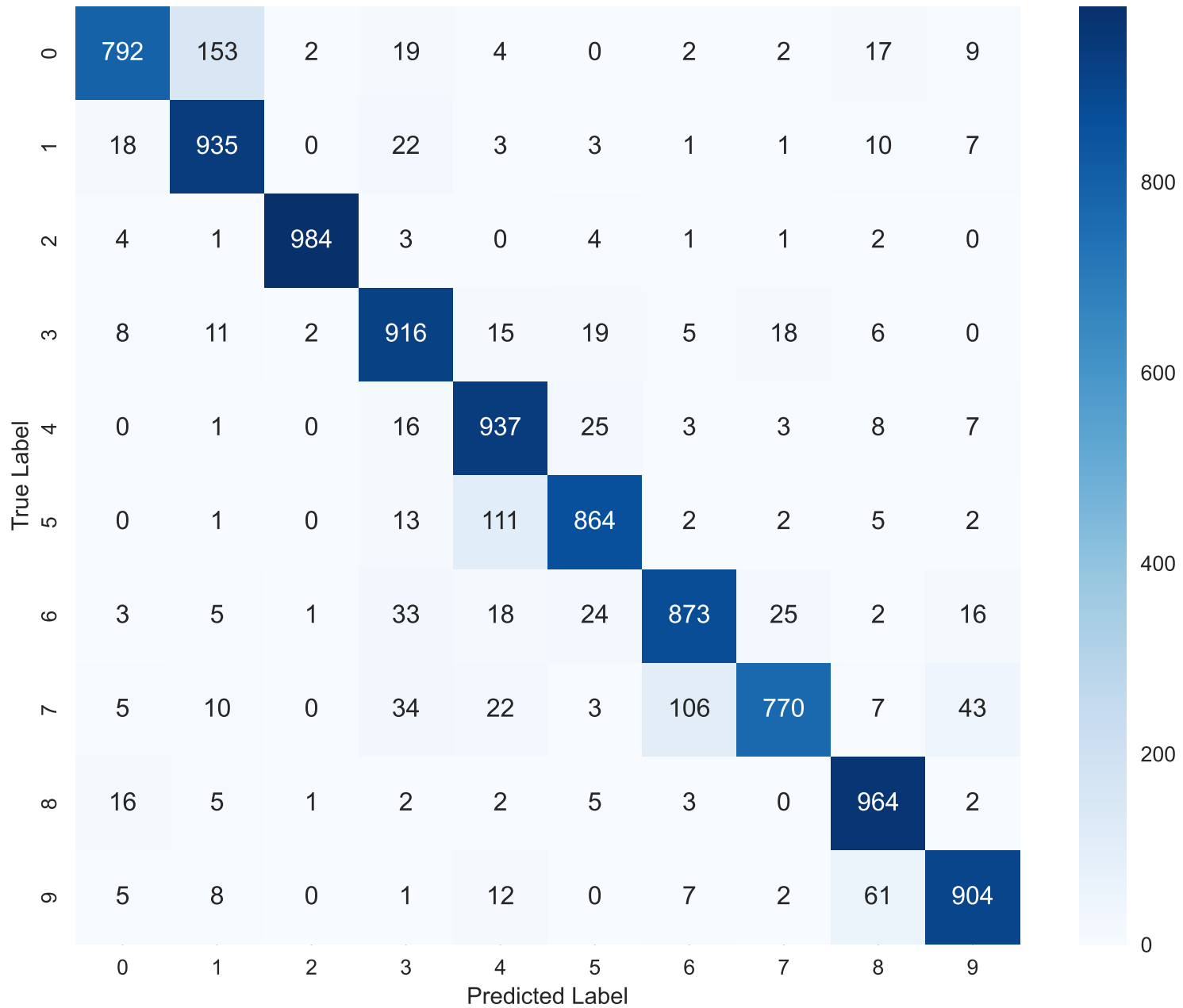
# ROC Curves for DecisionTreeClassifier



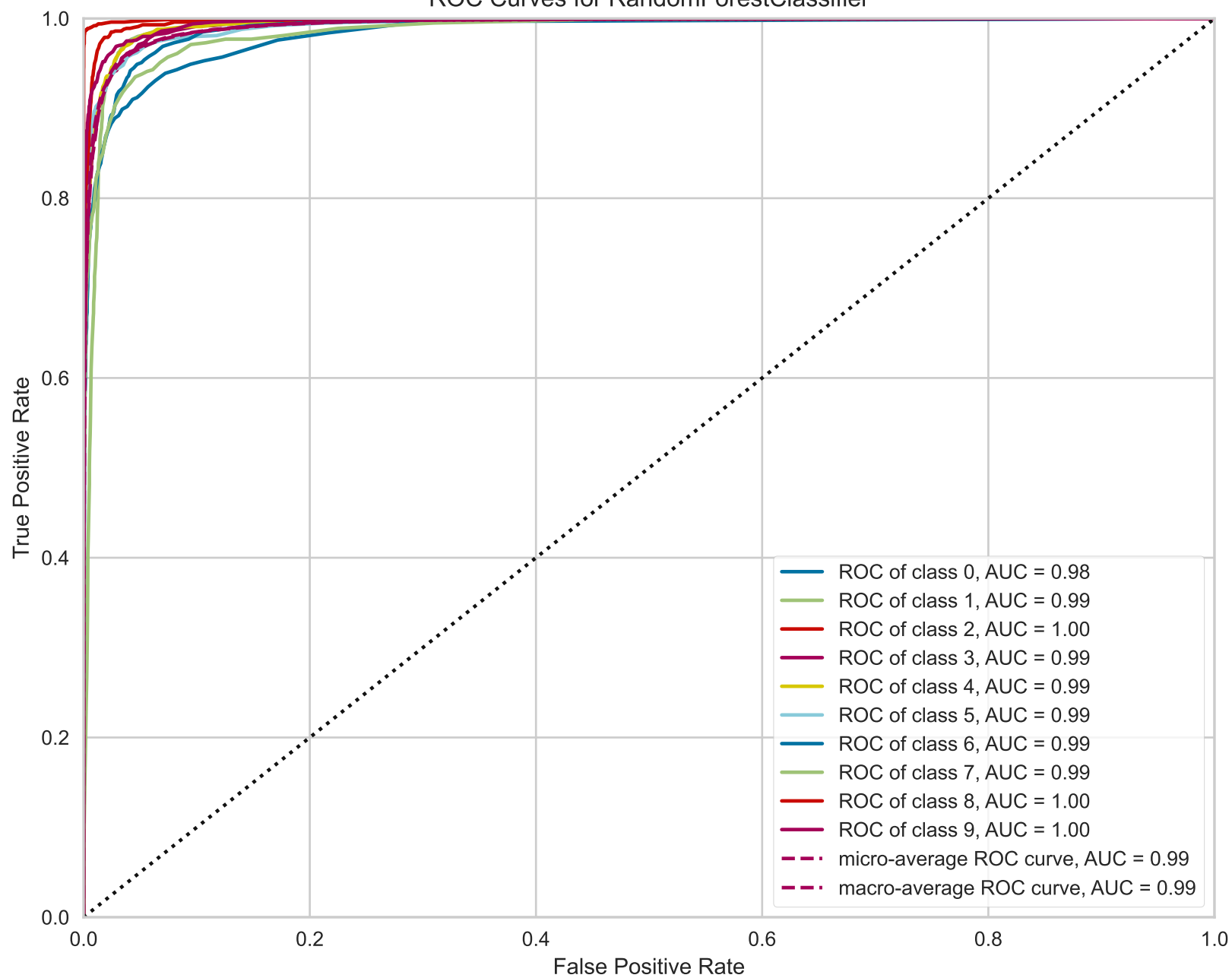
Model Metrics - Random Forest



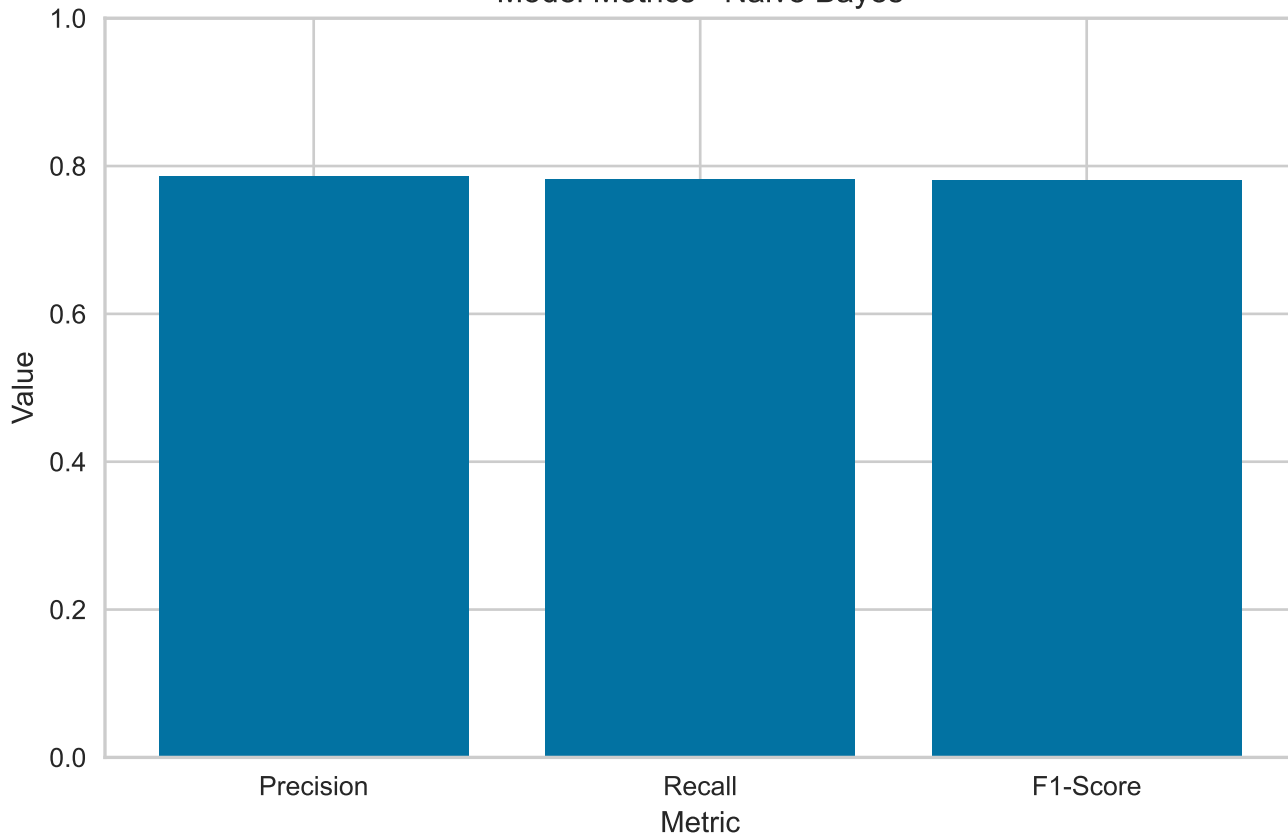
Random Forest - Confusion Matrix



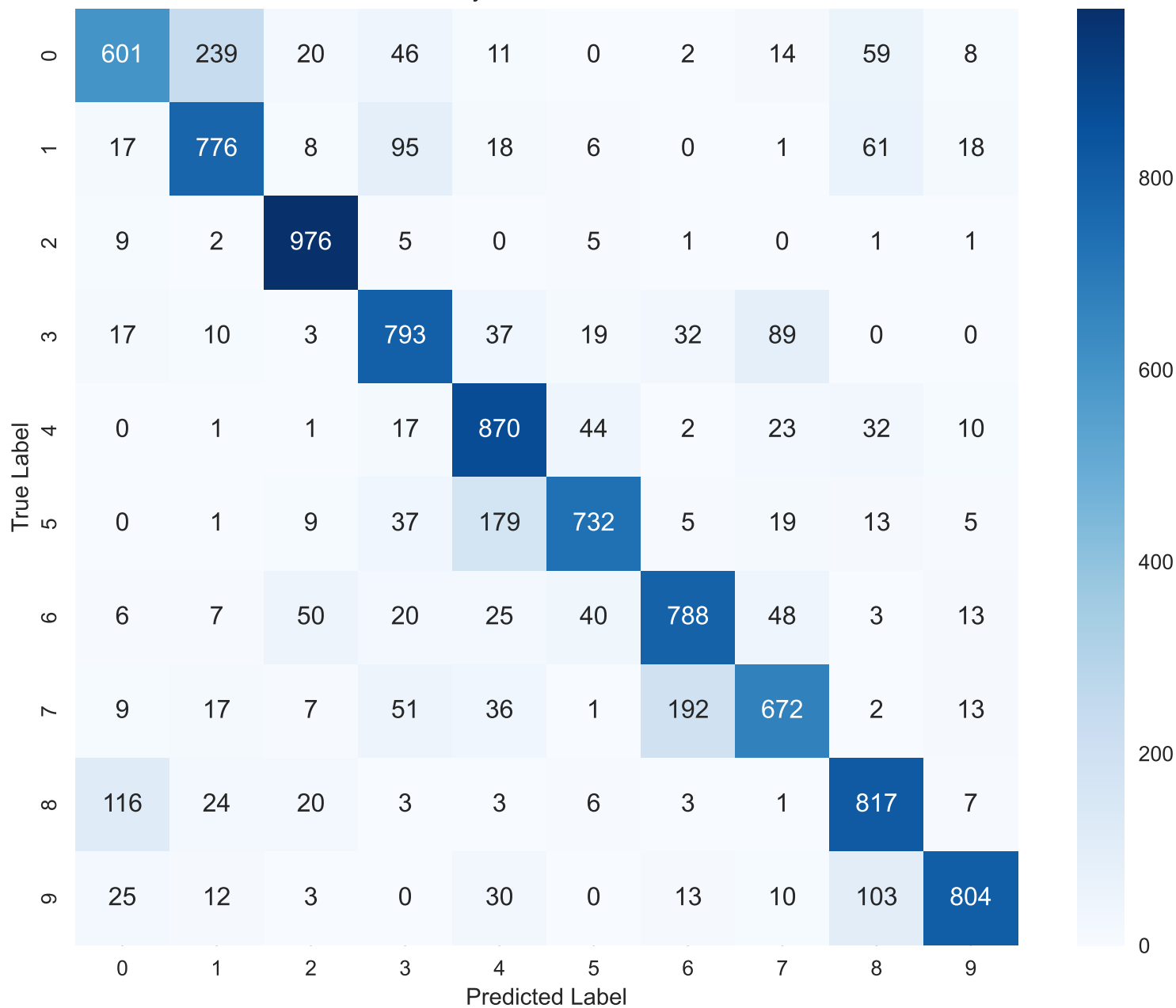
ROC Curves for RandomForestClassifier



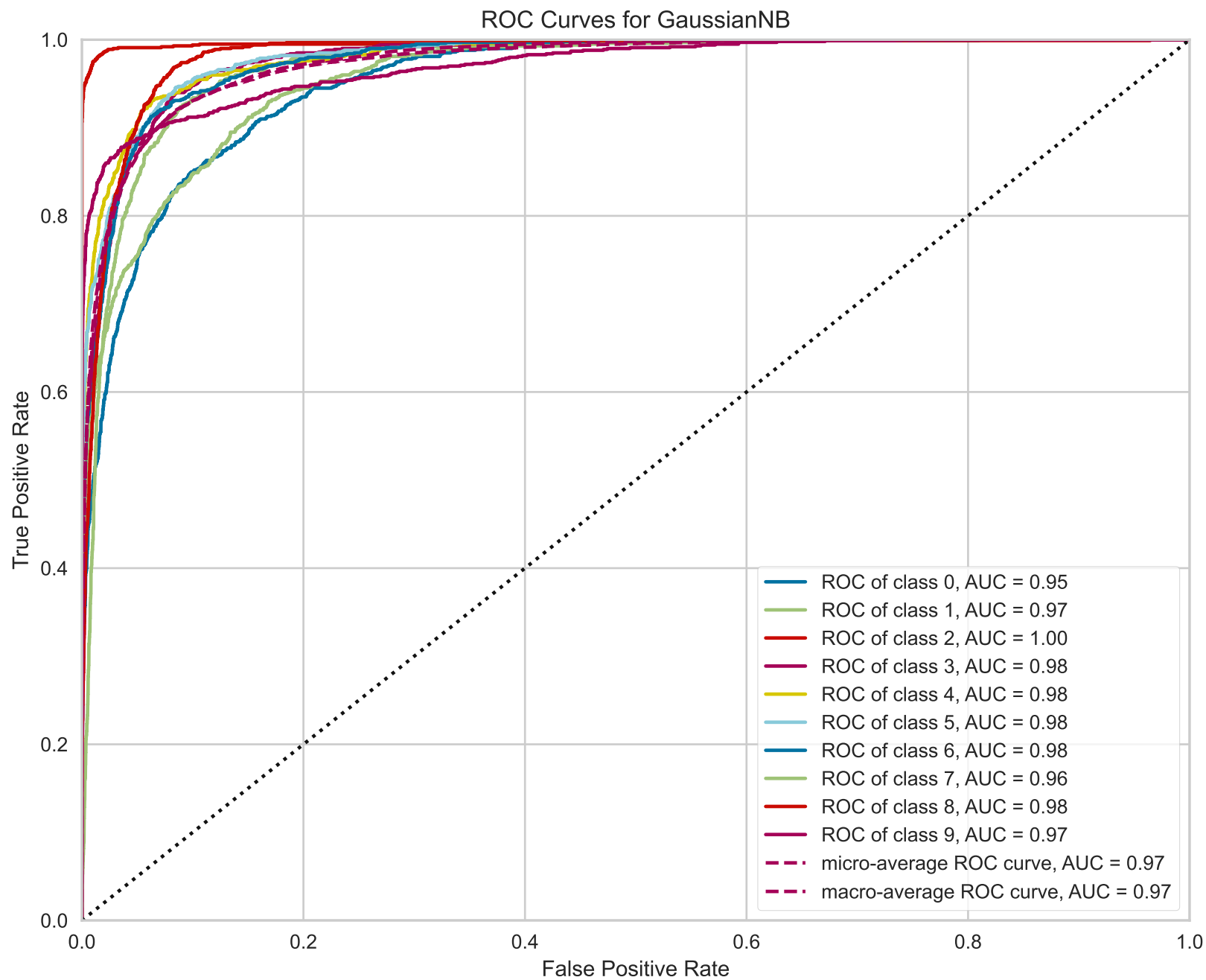
Model Metrics - Naive Bayes



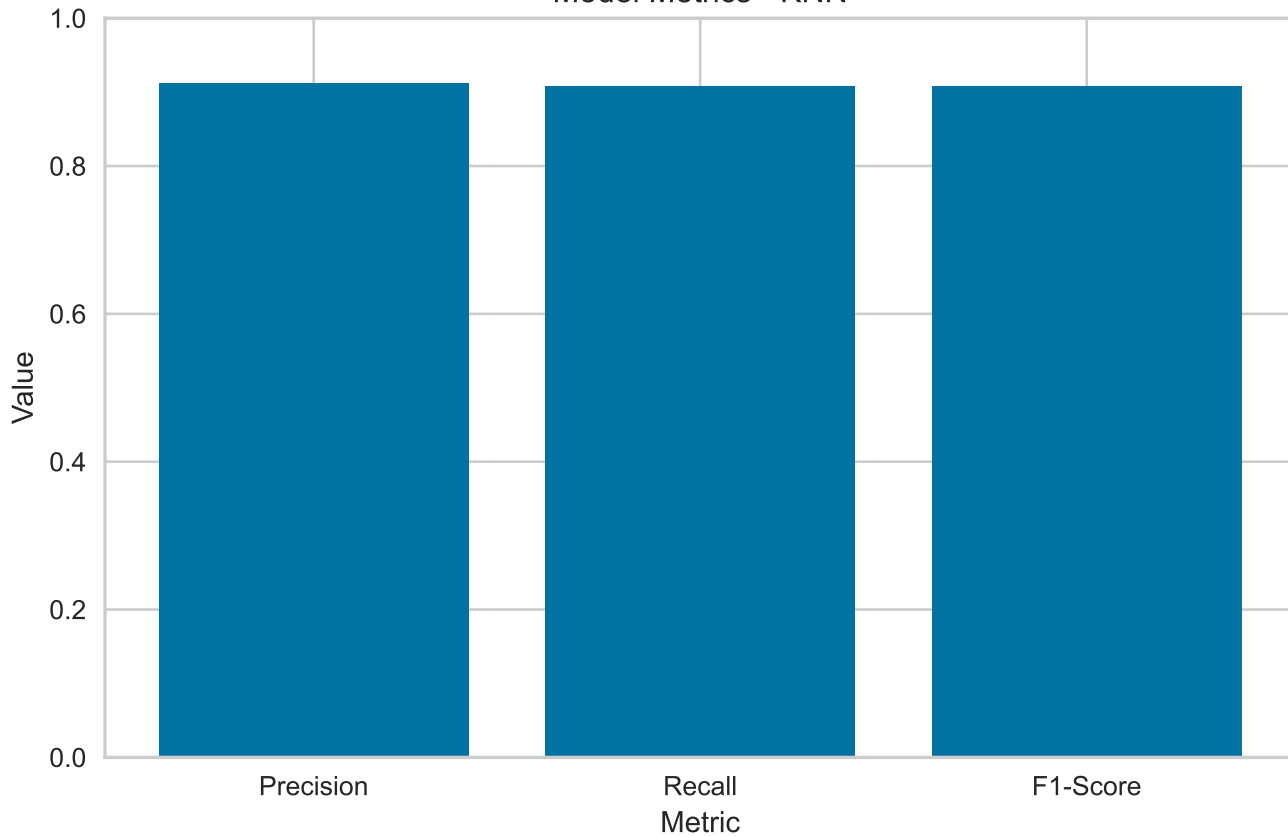
Naive Bayes - Confusion Matrix



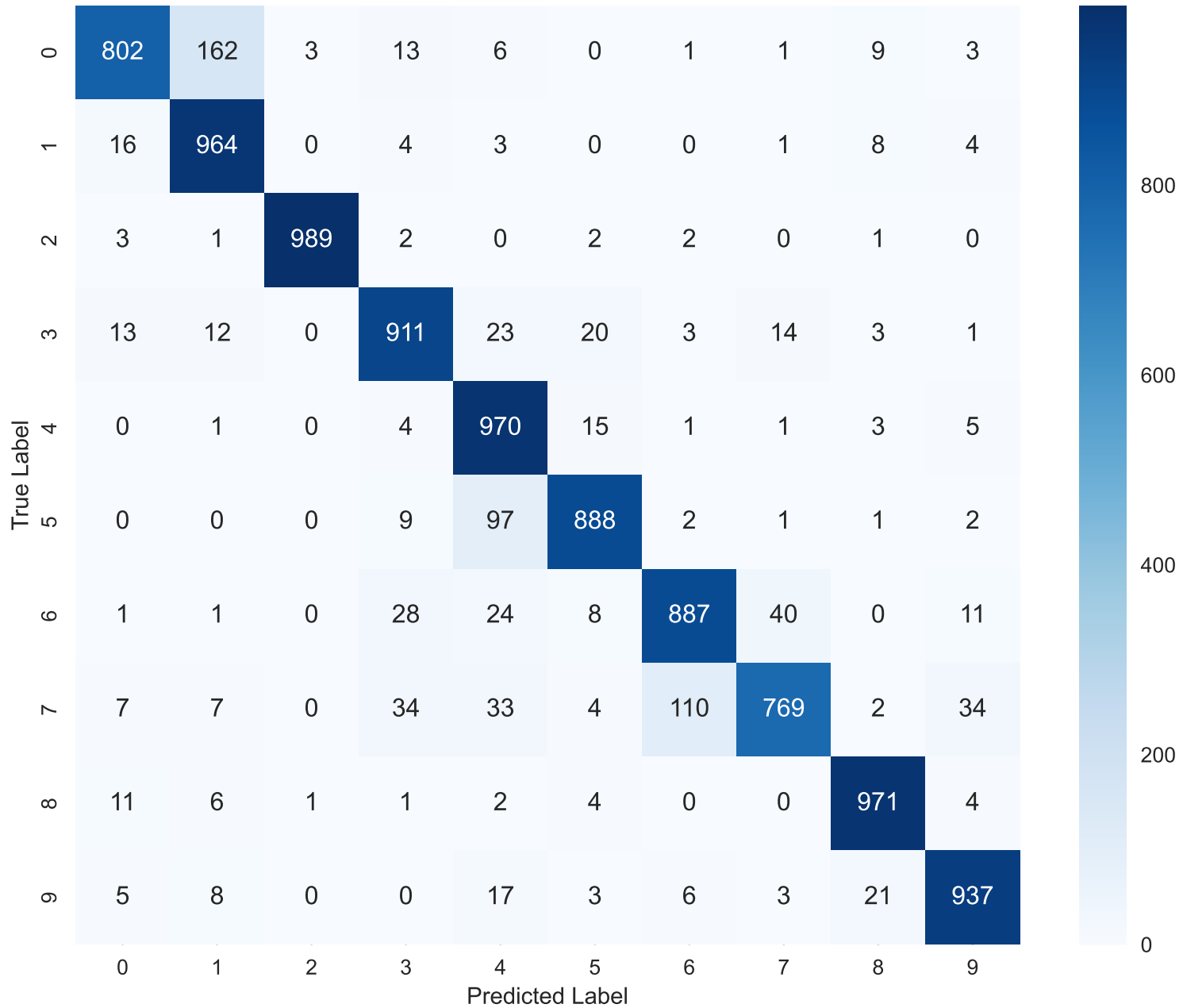




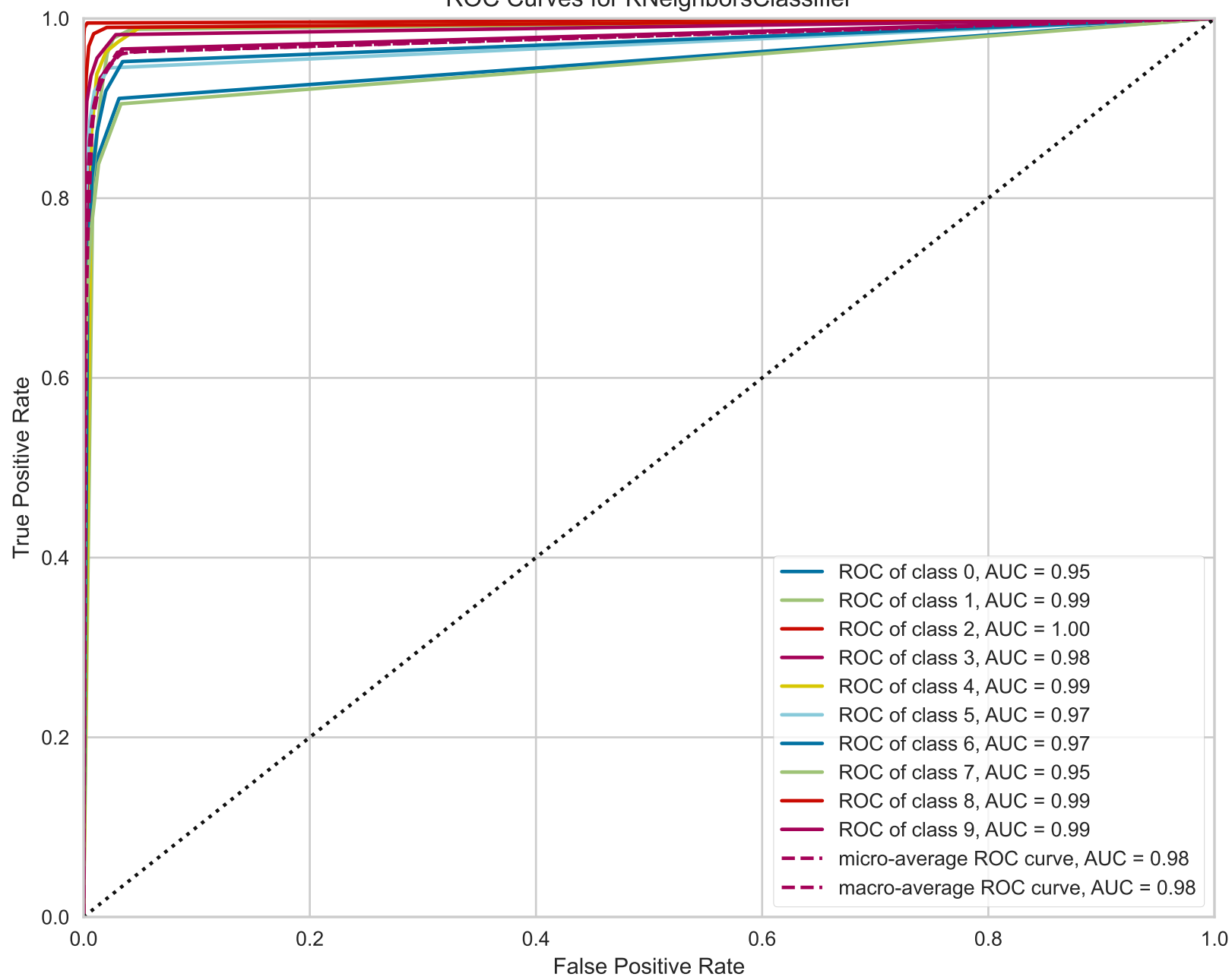
Model Metrics - KNN



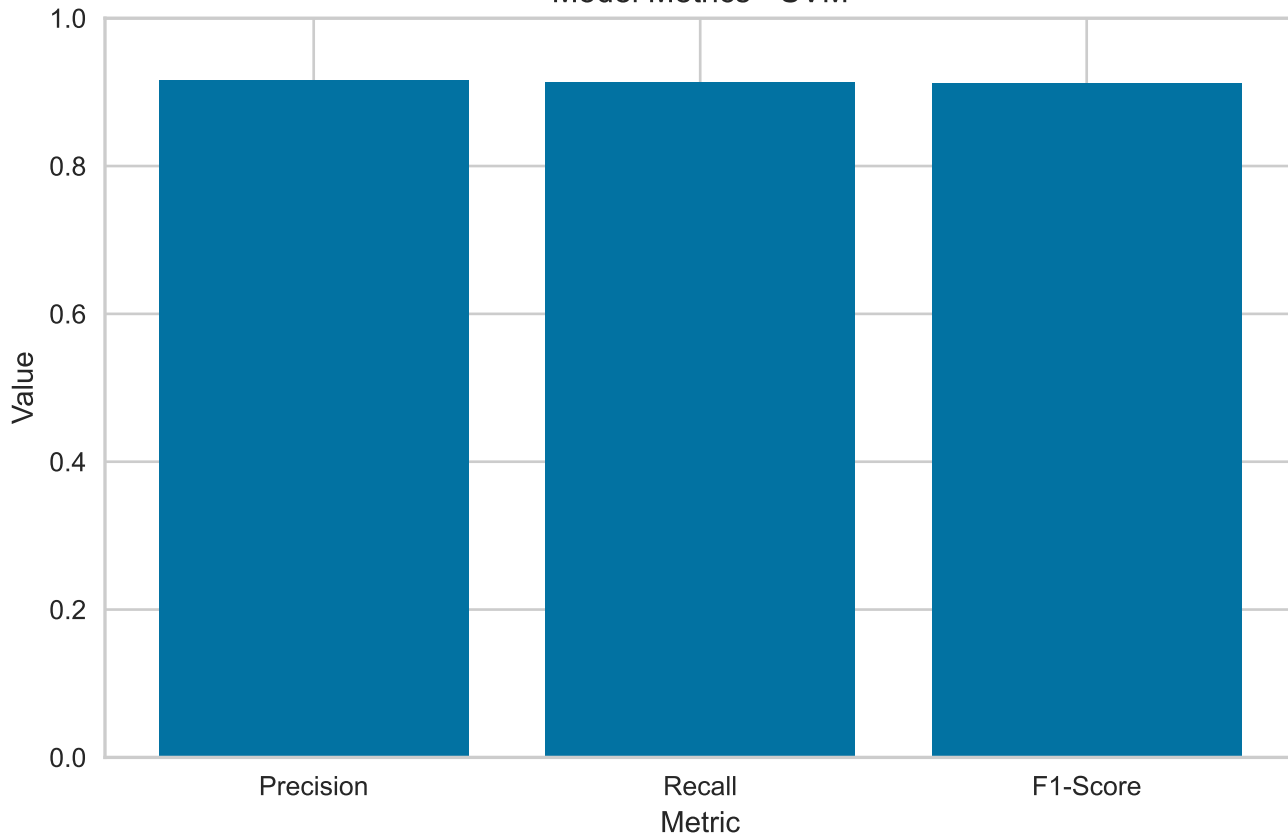
KNN - Confusion Matrix



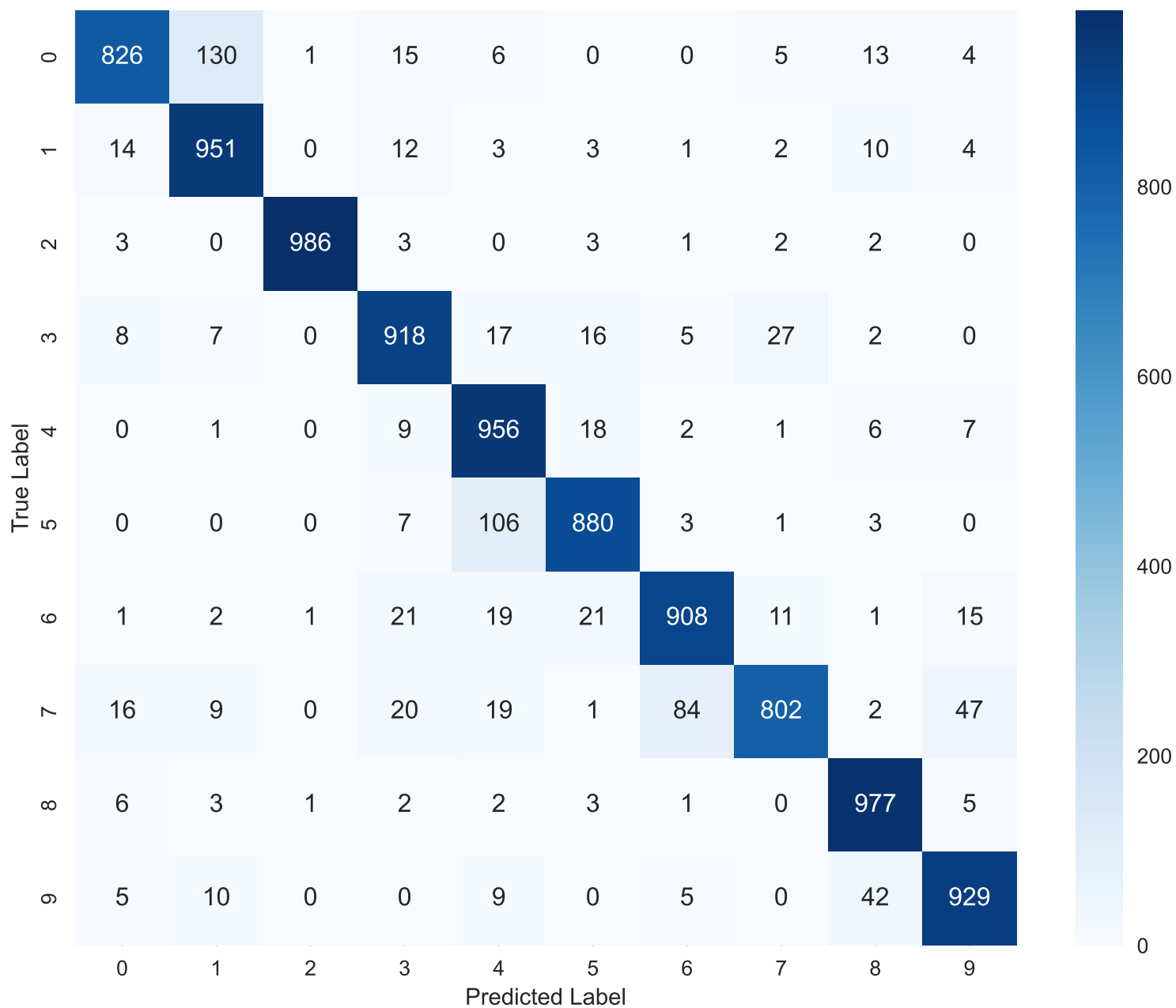
# ROC Curves for KNeighborsClassifier



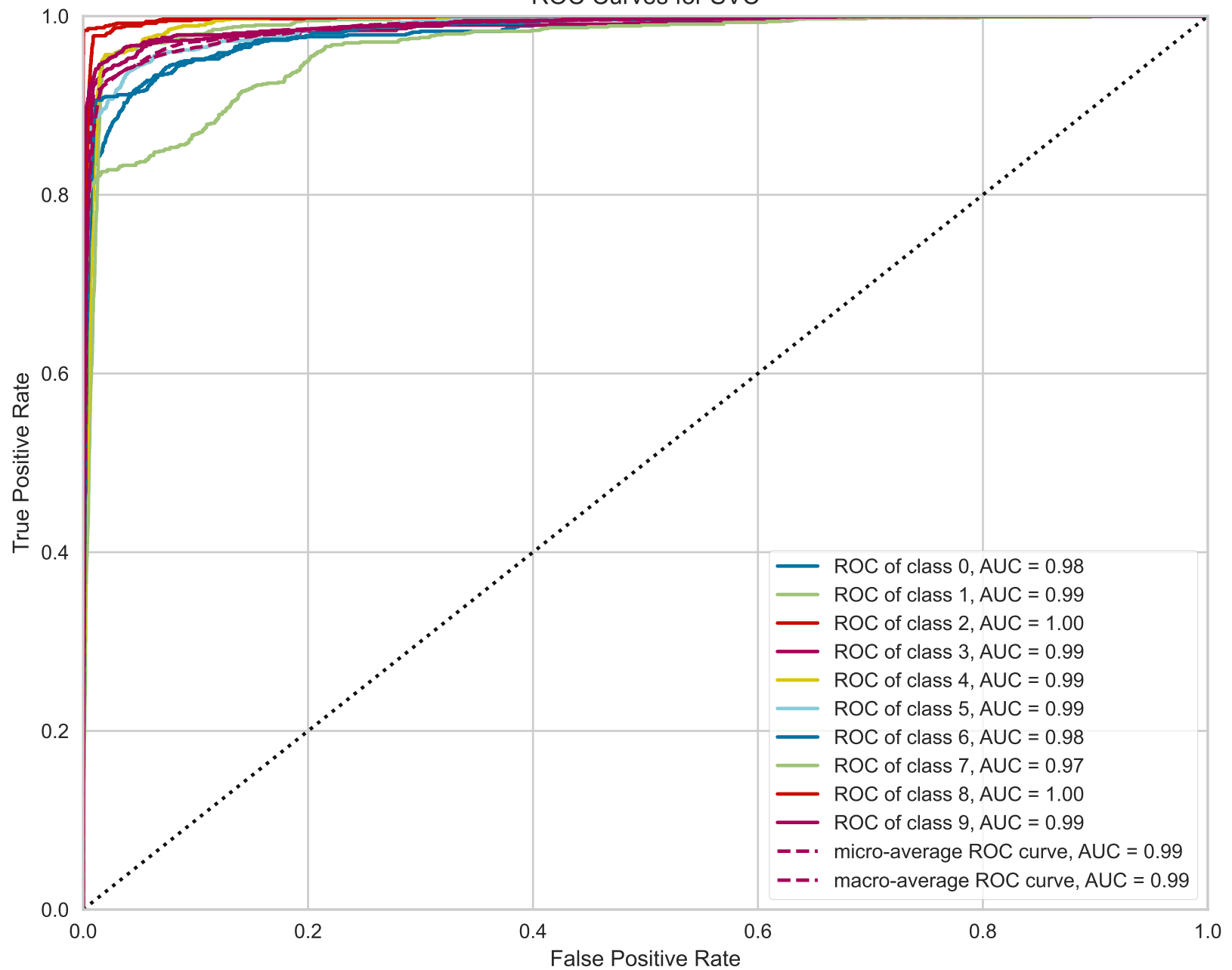
Model Metrics - SVM



SVM - Confusion Matrix



ROC Curves for SVC



## Model Comparison - PCA 15 components

Model	Precision	Recall	F1-Score
Decision Trees	0.809907063866449	0.8098000000000001	0.8090086426880048
Random Forest	0.8971923335084856	0.8939	0.8932767843123735
Naive Bayes	0.7863416289051759	0.7829	0.7813185098585779
KNN	0.9124031518244425	0.9087999999999999	0.9081884791294321
SVM	0.9158526251235865	0.9133000000000001	0.912860592023177