Model Performance Curves

Receiver Operating Characteristic (ROC)

- - - Random
— Neural Network (AUC=0.992)
— RandomForest (AUC=0.994)
— XGBoost (AUC=0.997)
— KNN (AUC=0.968)
— LogisticRegression (AUC=0.994)

Precision-Recall Curve

— Neural Network (AUC=0.944)
— RandomForest (AUC=0.940)
— XGBoost (AUC=0.974)
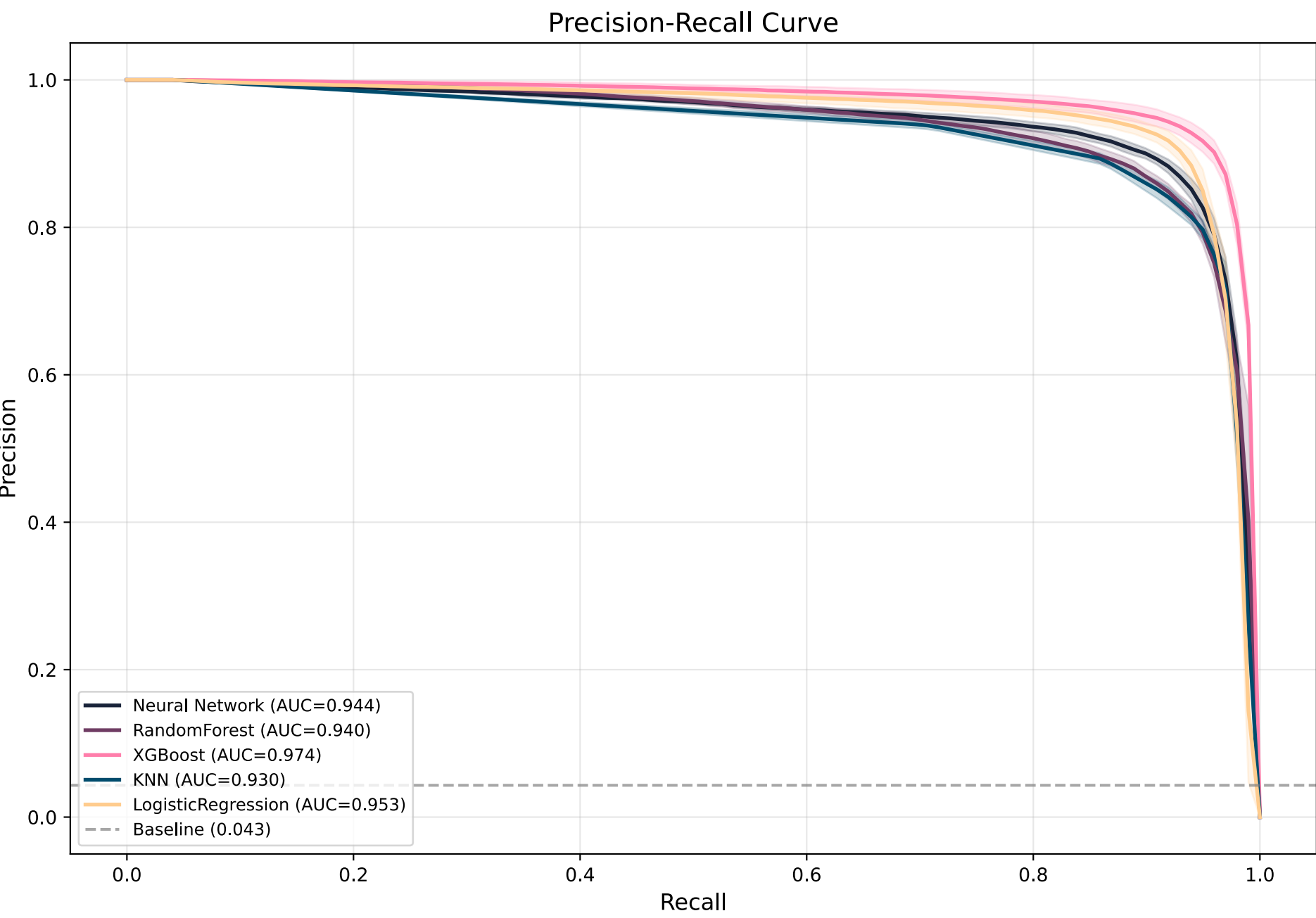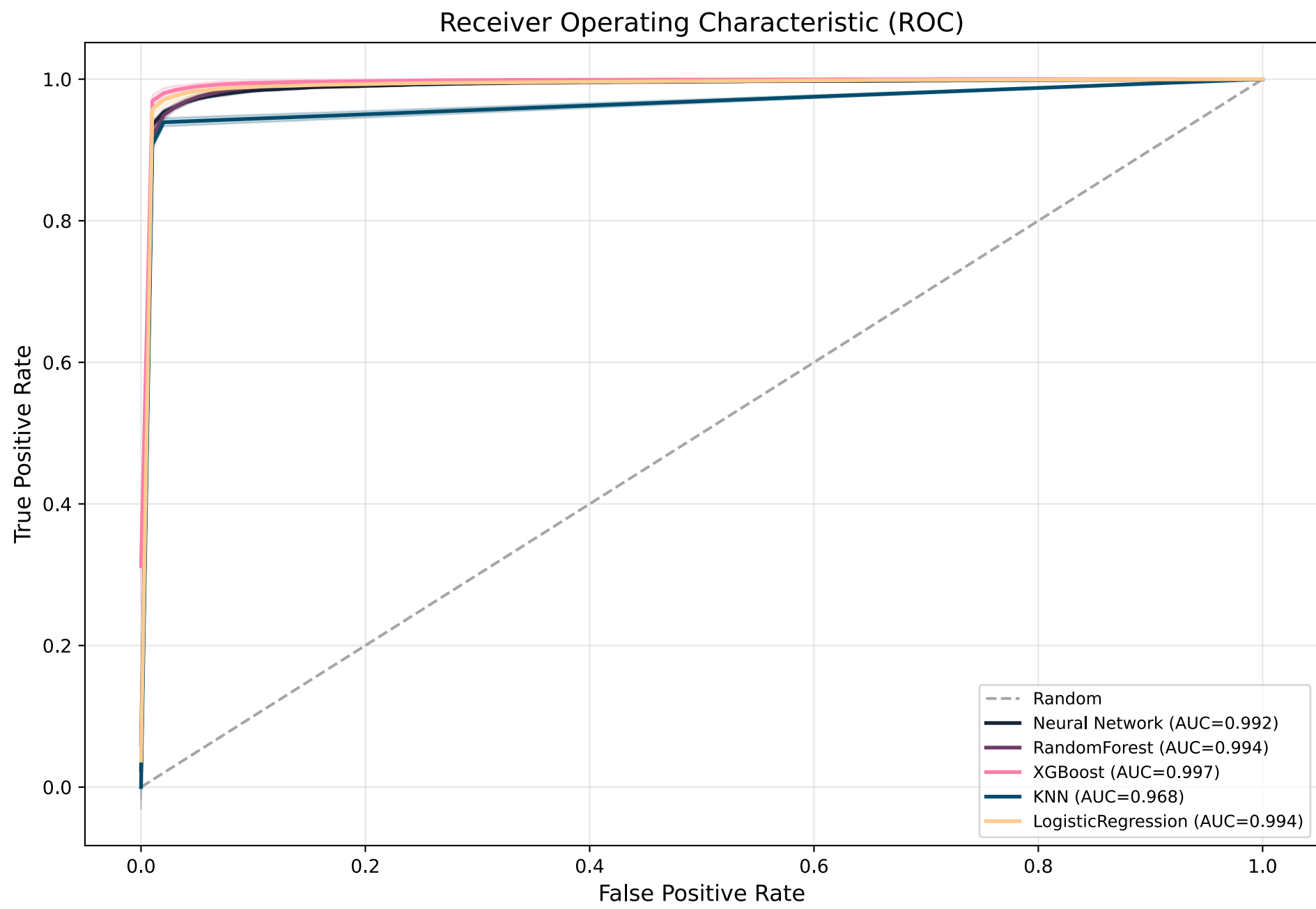— KNN (AUC=0.930)
— LogisticRegression (AUC=0.953)
- - - Baseline (0.043)

Shaded areas represent ±1 standard deviation across cross-validation folds