Train

Results for LR:

AUC: 0.7919[0.75967648 0.82359634]

Best Sensitivity: 0.8364

Best Specificity: 0.6038

Accuracy: 0.8228

NPV: 0.8422

PPV: 0.5714

Results for DT:

AUC: 0.8030 [0.74652563 0.87556699]

Best Sensitivity: 0.7636

Best Specificity: 0.6834

Accuracy: 0.8637

NPV: 0.8696

PPV: 0.8000

Results for SVM:

AUC: 0.7426[0.69067896 0.80808081]

Best Sensitivity: 0.7364

Best Specificity: 0.6604

Accuracy: 0.6729

NPV: 0.9107

PPV: 0.3292

Results for RF:

AUC: 0.8462[0.80923885 0.85773775]

Best Sensitivity: 0.6636

Best Specificity: 0.8679

Accuracy: 0.8279

NPV: 0.8275

PPV: 0.8462

Results for XGBoost:

AUC: 0.9130[0.86867829 0.95306842]

Best Sensitivity: 0.8091

Best Specificity: 0.8784

Accuracy: 0.8807

NPV: 0.8832

PPV: 0.8571

Results for KNN:

AUC: 0.8053[0.77720531 0.86447494]

Best Sensitivity: 0.6545

Best Specificity: 0.8218

Accuracy: 0.8228

NPV: 0.8266

PPV: 0.6875

Results for LR:

AUC: 0.7519[0.69039831 0.76012461]

Best Sensitivity: 0.5476

Best Specificity: 0.8879

Accuracy: 0.7852

NPV: 0.8205

PPV: 0.6562

Results for DT:

AUC: 0.7976 [0.77301958 0.94136627]

Best Sensitivity: 0.6667

Best Specificity: 0.8879

Accuracy: 0.8255

NPV: 0.8347

PPV: 0.7857

Results for SVM: [0.32041055 0.72140632]

AUC: 0.6337

Best Sensitivity: 0.9048

Best Specificity: 0.3364

Accuracy: 0.5369

NPV: 0.8654

PPV: 0.3608

Results for RF: [0.80373832 0.90898976]

AUC: 0.8699

Best Sensitivity: 0.7857

Best Specificity: 0.8037

Accuracy: 0.8322

NPV: 0.8361

PPV: 0.8148

Results for XGBoost: [0.811749 0.9635069]

AUC: 0.8787

Best Sensitivity: 0.8571

Best Specificity: 0.7570

Accuracy: 0.8456

NPV: 0.8443

PPV: 0.8519

Results for KNN: [0.68901869 0.83088563]

AUC: 0.7517

Best Sensitivity: 0.5952

Best Specificity: 0.7664

Accuracy: 0.7718

NPV: 0.7744

PPV: 0.7500

不同诊断模型xgb比较

1. 11-23-fit.best.lse
2. T-CLIF-SOFA')

AUC: 0.7386[0.7230365 0.74101391]

Best Sensitivity: 0.8364

Best Specificity: 0.5325

Accuracy: 0.8296

NPV: 0.8459

PPV: 0.6190

1. T-CLIF-OF')

AUC: 0.7213[0.68835525 0.72464265]

Best Sensitivity: 0.5909

Best Specificity: 0.7463

Accuracy: 0.8245

NPV: 0.8304

PPV: 0.6667

1. T-CLIF-C ACLF')
2. AUC: 0.8269 [0.81350796 0.87307962]

Best Sensitivity: 0.8545

Best Specificity: 0.6583

Accuracy: 0.8348

NPV: 0.8430

PPV: 0.6970

5. T-MELD')

AUC: 0.8035[0.7925374 0.84829522]

Best Sensitivity: 0.7182

Best Specificity: 0.7778

Accuracy: 0.8467

NPV: 0.8512

PPV: 0.7778

6. T-CPScore')

AUC: 0.5837[0.52360063 0.58948923]

Best Sensitivity: 0.7364

Best Specificity: 0.3753

Accuracy: 0.8126

NPV: 0.8126

PPV: nan

7. T-CPclassification')

AUC: 0.5384[0.46162569 0.54947431]

Best Sensitivity: 0.8273

Best Specificity: 0.2495

Accuracy: 0.8062

NPV: 0.8062

PPV: nan

11.VA-11-23-fit.best.lse

AUC: 0.8787[0.81073932 0.92668002]

Best Sensitivity: 0.8571

Best Specificity: 0.7570

Accuracy: 0.8456

NPV: 0.8443

PPV: 0.8519

12.V-CLIF-SOFA')

AUC: 0.7180[0.65937639 0.72986204]

Best Sensitivity: 0.8095

Best Specificity: 0.5327

Accuracy: 0.7383

NPV: 0.7615

PPV: 0.5789

13.V-CLIF-OF')

AUC: 0.7064[0.65158545 0.72329773]

Best Sensitivity: 0.8810

Best Specificity: 0.4299

Accuracy: 0.7450

NPV: 0.7634

PPV: 0.6111

14.V-CLIF-C ACLF')

AUC: 0.7439 [0.69697652 0.80719014]

Best Sensitivity: 0.5000

Best Specificity: 0.8692

Accuracy: 0.7651

NPV: 0.7727

PPV: 0.7059

15.V-MELD')

AUC: 0.7348[0.6812055 0.8166472]

Best Sensitivity: 0.9048

Best Specificity: 0.4019

Accuracy: 0.7517

NPV: 0.7536

PPV: 0.7273

16.V-CPScore')

AUC: 0.6103[0.50456164 0.61092568]

Best Sensitivity: 0.6905

Best Specificity: 0.5140

Accuracy: 0.5638

NPV: 0.8088

PPV: 0.3580

17.V-CPclassification')

AUC: 0.5000 [0.49966622 0.50033378]

Sensitivity: 0.0000

Specificity: 1.0000

Accuracy: 0.2819

NPV: NAN

PPV: 0.2819