**Heart Disease Prediction - Python**

**LinR**

MAE: 0.29564467186391463

MSE: 0.1304369811522234

RMSE: 0.3611606029901703

AccuracyII: 47.614543836752766 %

Train set Accuracy: 0.5220219852555639

Test set Accuracy: 0.47614543836752765

**LogR**

MAE: 0.1951219512195122

MSE: 0.1951219512195122

RMSE: 0.4417261042993862

AccuracyII: 80.48780487804879 %

Train set Accuracy: 0.3887895050685748

Test set Accuracy: 0.21636085626911294

**NB**

MAE: 0.21951219512195122

MSE: 0.21951219512195122

RMSE: 0.4685212856658182

AccuracyII: 78.04878048780488 %

Train set Accuracy: 0.36923076923076925

Test set Accuracy: 0.1184059633027521

**SVC**

MAE: 0.18048780487804877

MSE: 0.18048780487804877

RMSE: 0.42483856331322933

AccuracyII: 81.95121951219512 %

Train set Accuracy: 0.4132379248658318

Test set Accuracy: 0.2751337920489295

**KNN**

MAE: 0.2780487804878049

MSE: 0.2780487804878049

RMSE: 0.5273033097637496

AccuracyII: 72.1951219512195 %

Train set Accuracy: 0.6088252832438878

Test set Accuracy: -0.11668577981651396

**Adaboost**

MAE: 0.1024390243902439

MSE: 0.1024390243902439

RMSE: 0.32006096980144877

AccuracyII: 89.75609756097562 %

Train set Accuracy: 0.6577221228384018

Test set Accuracy: 0.5885894495412843

**GBC**

MAE: 0.00975609756097561

MSE: 0.00975609756097561

RMSE: 0.09877295966495896

AccuracyII: 99.02439024390245 %

Train set Accuracy: 0.9706618962432916

Test set Accuracy: 0.9608180428134556

**XGBC**

MAE: 0.01951219512195122

MSE: 0.01951219512195122

RMSE: 0.13968605915391563

AccuracyII: 98.04878048780488 %

Train set Accuracy: 0.9462134764460346

Test set Accuracy: 0.9216360856269112

**RFC**

MAE: 0.004878048780487805

MSE: 0.004878048780487805

RMSE: 0.06984302957695782

AccuracyII: 99.51219512195122 %

Train set Accuracy: 0.9902206320810972

Test set Accuracy: 0.9804090214067278

**DTC**

MAE: 0.00

MSE: 0.00

RMSE: 0.00

AccuracyII: 100.0 %

Train set Accuracy: 1.0

Test set Accuracy: 1.0