Metode

* Menghilangkan outlier
* Menambahkan feature engineering
* Menambahkan smote
* Menggunakan Standar scaller

Model Accuracy Precision Recall F1 Score F2 Score

Random Forest 0.759740 0.649123 0.685185 0.666667 0.677656

Kernel SVM 0.759740 0.630769 0.759259 0.689076 0.729537

Decision Tree 0.740260 0.620690 0.666667 0.642857 0.656934

Logistic Regression 0.727273 0.588235 0.740741 0.655738 0.704225

SVC 0.714286 0.575758 0.703704 0.633333 0.673759

KNN 0.707792 0.563380 0.740741 0.640000 0.696864

Gaussian NB 0.694805 0.539326 0.888889 0.671329 0.786885

ROC-AUC

0.742593

0.759630

0.723333

0.730370

0.711852

0.715370

0.739444

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Model Accuracy Precision Recall F1 Score F2 Score \

1 Random Forest 0.772727 0.711111 0.592593 0.646465 0.613027

6 Kernel SVM 0.733766 0.644444 0.537037 0.585859 0.555556

5 KNN 0.733766 0.638298 0.555556 0.594059 0.570342

4 SVC 0.714286 0.619048 0.481481 0.541667 0.503876

0 Decision Tree 0.714286 0.589286 0.611111 0.600000 0.606618

2 Logistic Regression 0.720779 0.582090 0.722222 0.644628 0.689046

3 Gaussian NB 0.688312 0.536585 0.814815 0.647059 0.738255

ROC-AUC

1 0.731296

6 0.688519

5 0.692778

4 0.660741

0 0.690556

2 0.721111

3 0.717407

Metode

* Menghilangkan outlier
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Model Accuracy Precision Recall F1 Score F2 Score \

1 Random Forest 0.779221 0.708333 0.629630 0.666667 0.643939

2 Logistic Regression 0.792208 0.683333 0.759259 0.719298 0.742754

4 SVC 0.772727 0.661017 0.722222 0.690265 0.709091

6 Kernel SVM 0.759740 0.654545 0.666667 0.660550 0.664207

3 Gaussian NB 0.766234 0.650000 0.722222 0.684211 0.706522

5 KNN 0.753247 0.637931 0.685185 0.660714 0.675182

0 Decision Tree 0.720779 0.612245 0.555556 0.582524 0.566038

ROC-AUC

1 0.744815

2 0.784630

4 0.761111

6 0.738333

3 0.756111

5 0.737593

0 0.682778

Metode

* Menghilangkan outlier
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Model Accuracy Precision Recall F1 Score F2 Score \

1 Random Forest 0.798701 0.767442 0.611111 0.680412 0.637066

6 Kernel SVM 0.766234 0.704545 0.574074 0.632653 0.596154

4 SVC 0.746753 0.682927 0.518519 0.589474 0.544747

2 Logistic Regression 0.785714 0.666667 0.777778 0.717949 0.752688

3 Gaussian NB 0.746753 0.653061 0.592593 0.621359 0.603774

5 KNN 0.720779 0.627907 0.500000 0.556701 0.521236

0 Decision Tree 0.668831 0.524590 0.592593 0.556522 0.577617

ROC-AUC

1 0.755556

6 0.722037

4 0.694259

2 0.783889

3 0.711296

5 0.670000

0 0.651296

Metode

* Menggunakan Standar scaller

Model Accuracy Precision Recall F1 Score F2 Score \

1 Random Forest 0.811688 0.790698 0.629630 0.701031 0.656371

4 SVC 0.779221 0.738095 0.574074 0.645833 0.600775

6 Kernel SVM 0.779221 0.738095 0.574074 0.645833 0.600775

5 KNN 0.772727 0.720930 0.574074 0.639175 0.598456

3 Gaussian NB 0.772727 0.693878 0.629630 0.660194 0.641509

2 Logistic Regression 0.792208 0.677419 0.777778 0.724138 0.755396

0 Decision Tree 0.707792 0.584906 0.574074 0.579439 0.576208

ROC-AUC

1 0.769815

4 0.732037

6 0.732037

5 0.727037

3 0.739815

2 0.788889

0 0.677037