

Findings, Insights and final conclusion

1. Findings from Logistic Regression model :

The Accuracy score of the model is 82.08%.

The Area under curve of this model we got 0.71.

2. Findings from Decision Tree model :

The Accuracy score of the model is 84.58%.

The Area under curve of this model is 0.74.

3. Findings from Random Forest model :

The Accuracy score of the model is 86.16%.

The Area under curve of this model is 0.76.

From the above information, it seem that the Random Forest has a high accuracy score (86.16) and area under curve (0.76) than the other two models.

So, we conclude the **Random Forest** is the best model as per the findings.

