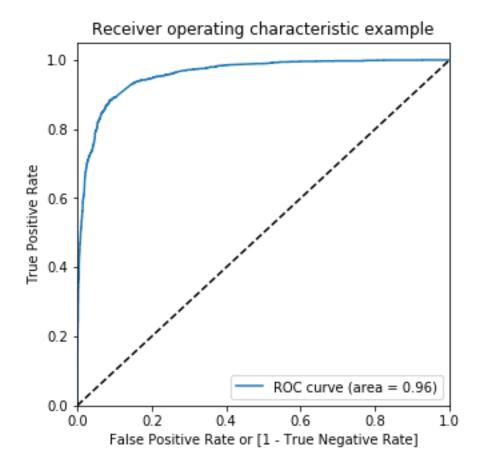
ASSIGNMENT

ROC CURVE

ROC is a probability curve and AUC represents degree or measure of separability.

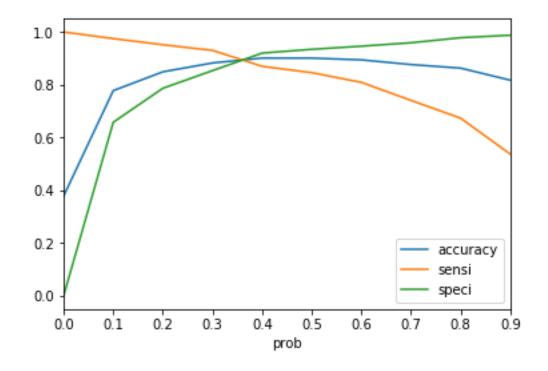
Higher the AUC, better the model is at predicting 0s as 0s and 1s as 1s



CUT – OFF

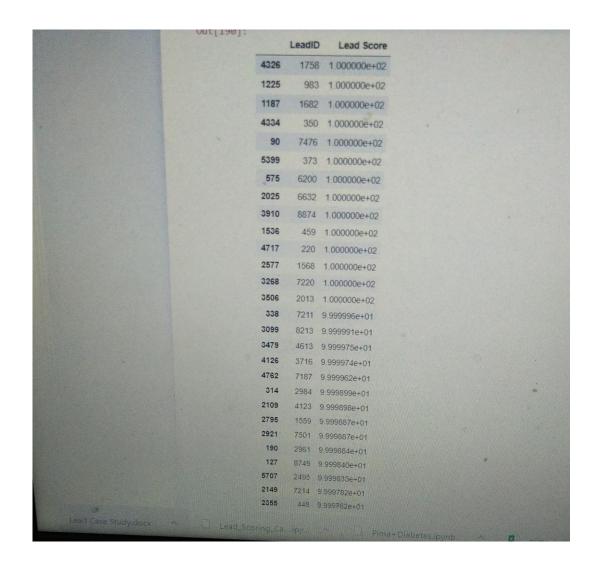
A higher **cut-off** setting results in higher **specificity** and lower **sensitivity** and vice versa.

Through the cut-off curve we take cut off value as 0.4 and followed the metrics.



LEAD SCORE

The customers with higher lead score have a higher conversion chance and the customers with lower lead score have a lower conversion chance.



ANALYSIS AND RECOMMENDATIONS

- 1. With 0.89 Conversion rate, the model has been built with the conversion probability of 0.40 and taking Tags, Lead Origin and Country as the most important factors behind the conversion.
- 2. If X education focusses on these factors, they will be able to increase the hot leads number.
- 3. With these model the company will be to able meet conversion rate of 0.8 successfully.
- 4. By marketing more in most trending Lead Origin(e.g. Google, Facebook etc) or communicating more with the SMS mode amongst people will the X Education to increase there leads.
- 5. X Education should target more on the countries which are responsive towards the program. They should market there product more effectively and efficiently in these countries.
- 6. The advertisement can be made in a way that it tempt the customers to join the courses.