

Lead Score Case Study

Created By :
Aditya Sharma
Naresh Tinnaluri

Index

1. Business Problem Statement
2. Analysis Approach using EDA
3. Model Building and Evaluation
4. Prediction on test set and Evaluation
5. Inferences from the data set
6. How this model helps?

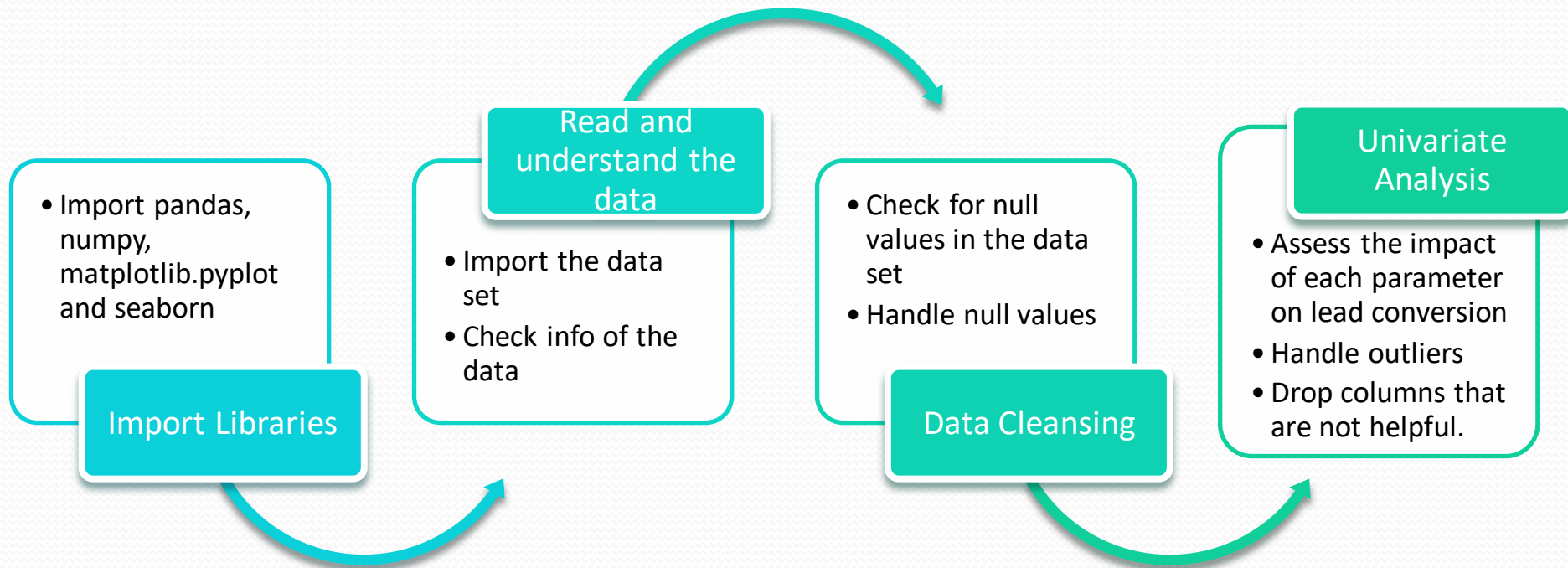
Business Problem Statement :

An education company named X Education sell online courses to industry professionals. The company markets these courses through different marketing channels like marketing websites, search engine and referrals and acquire the leads from these channels. Once these leads are acquired, employees from the sales team start making calls, writing emails, etc. Through this process, some of the leads get converted while most do not. The typical lead conversion rate at X education is around 30%.

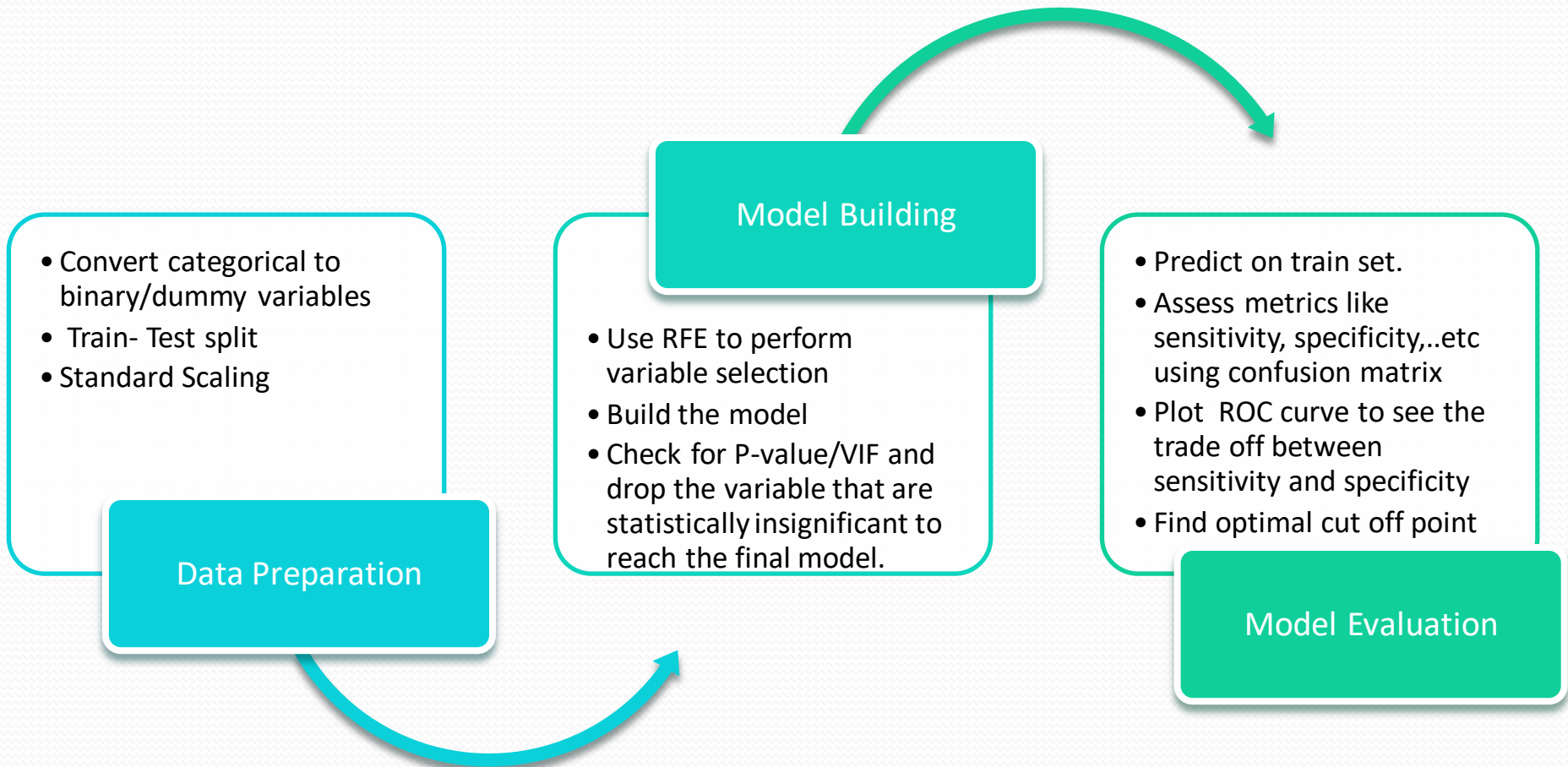
Although the company gets lots of leads but the conversion of the leads are very poor, therefore the company wishes to identify the Hot Leads and focus more on communicating with potential leads rather than making calls to everyone.



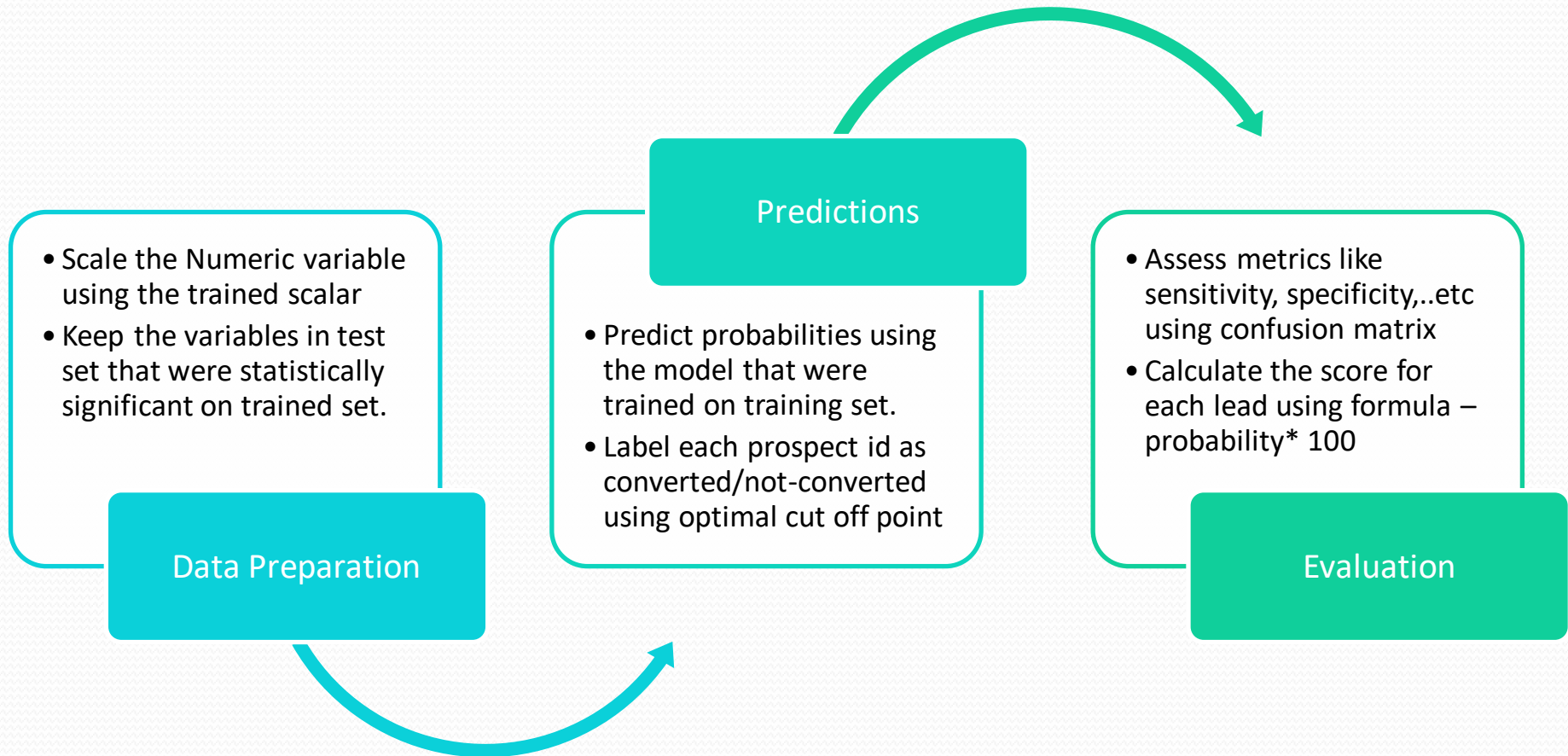
Analysis Approach using EDA :



Model Building and Evaluation Approach:



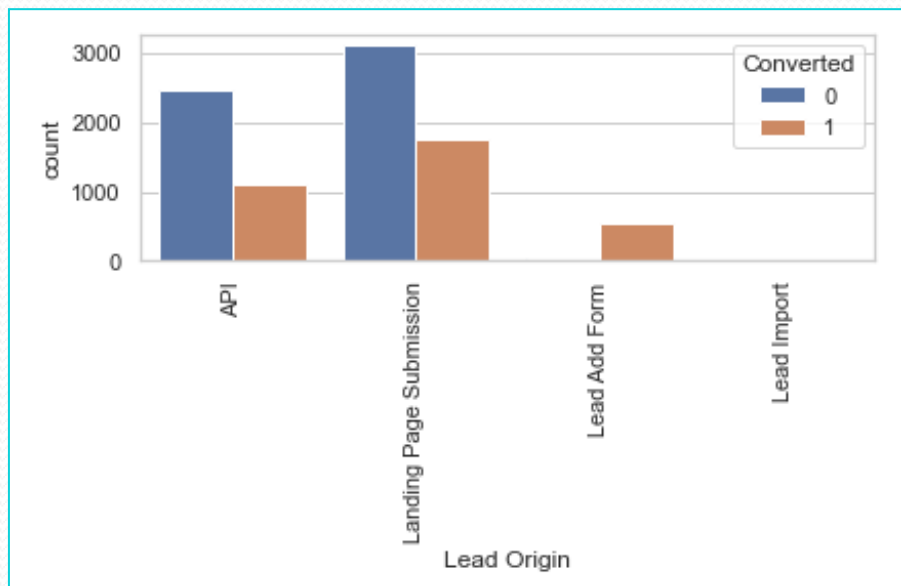
Prediction on Test Set and Evaluation Approach:



Inferences about the data:

Most of the variable (categorical/non-categorical) are impacting the conversion factor of the leads, but most importantly following are the variable that plays a significant role in conversion of leads.

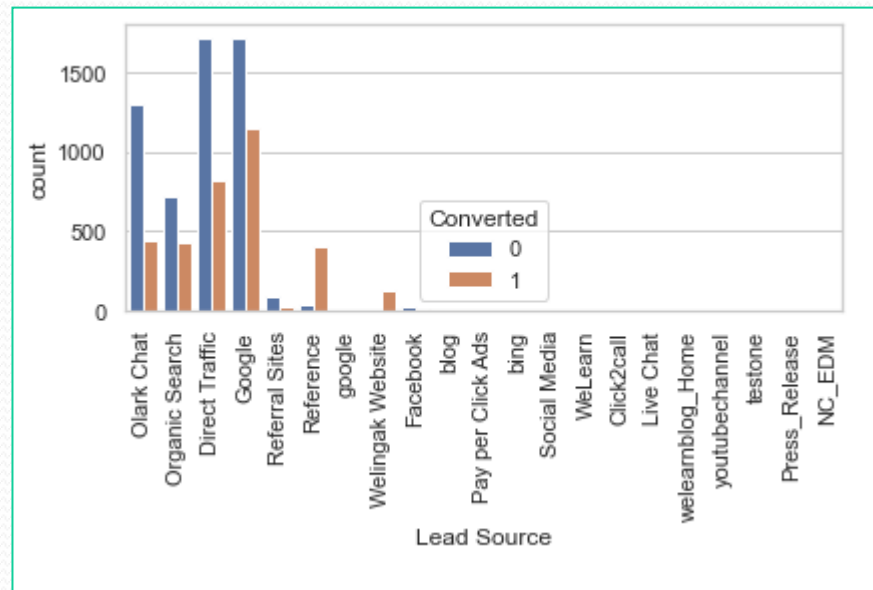
- i. Do not Email
- ii. Total time spent on website
- iii. Lead origin
- iv. Lead Source
- v. What is your current occupation



Here, we can see that leads converted more in 'Landing Page Submission' then through 'API' and finally 'Lead Add Form', however leads from lead import is very less in number.

Google and Direct Traffic creates more Converted Leads.

Reference showing significant in converting Leads more

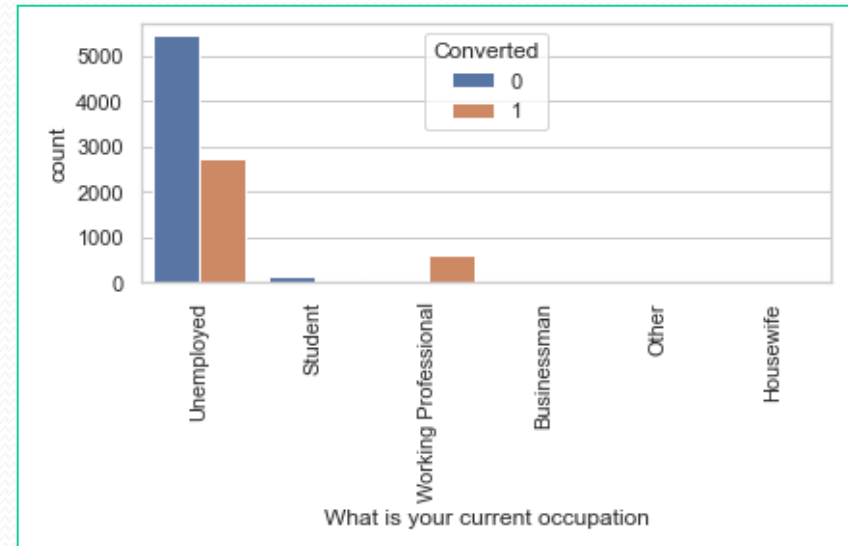




'No' showing significant number in converting Leads when compared to 'Yes'.

working professionals are high rate of joining in the course

Unemployed people tend to join in, it has 50 percent chance of Leads



How this model helps?

This model will help sales team to identify the potential lead by looking at the score assigned to the lead.

This way the chances of reaching out to the right prospect would be high and therefore the chances of conversion would be higher.

It will help Sales team and the company to reach their targeted numbers.

Prospect ID	Converted	Converted_Prob	final_predicted	Score
3271	0	0.152074	0	15.21
1490	1	0.980326	1	98.03
7936	0	0.131076	0	13.11
4216		0.888338	1	88.83
3835	0	0.153965	0	15.40



Thank You