

#### **Lead - Conversion Process**

Lead to Conversion process

Lead Generation via referrals and ads on websites like Google Visit to X
Education website
by these potential
customers
(professionals)

Visitors provide contact details

Calling and reaching out to all the leads

~30% leads get converted

Proposed
Solution:
A model to filter leads
to increase the
conversion ratio

#### **Proposed Solution**

Selection of Hot Leads

Communicating with Hot Leads

Conversion of Hot Leads

#### **Leads Clustering**

We cluster the leads into thus, reducing the conversation. sample size but getting more efficiency.

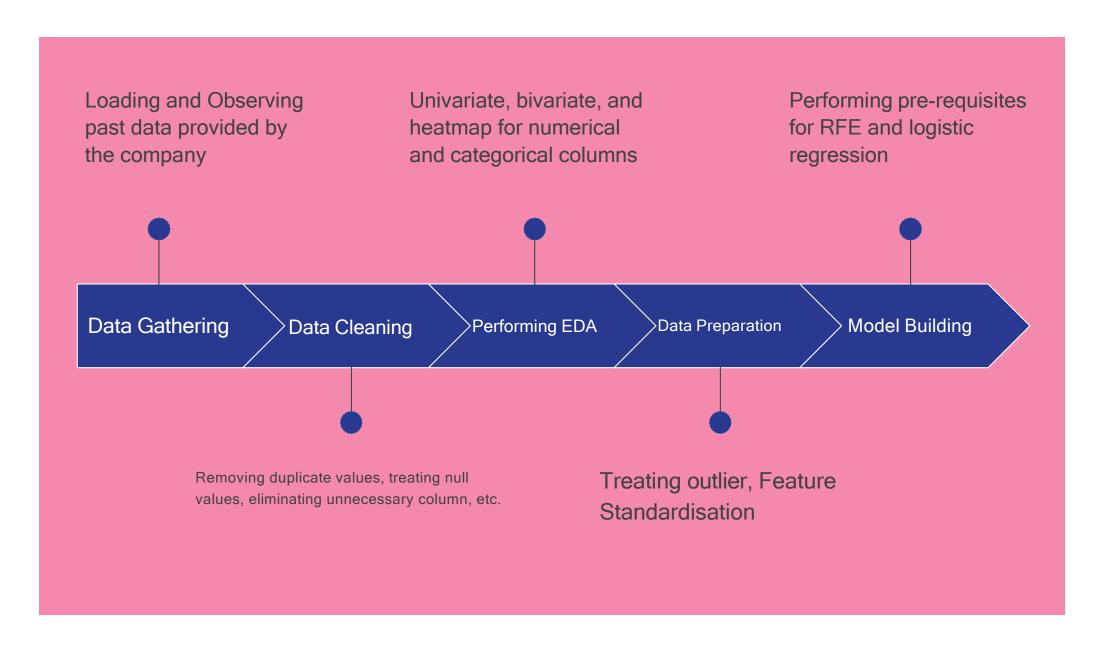
#### **Focus Communication**

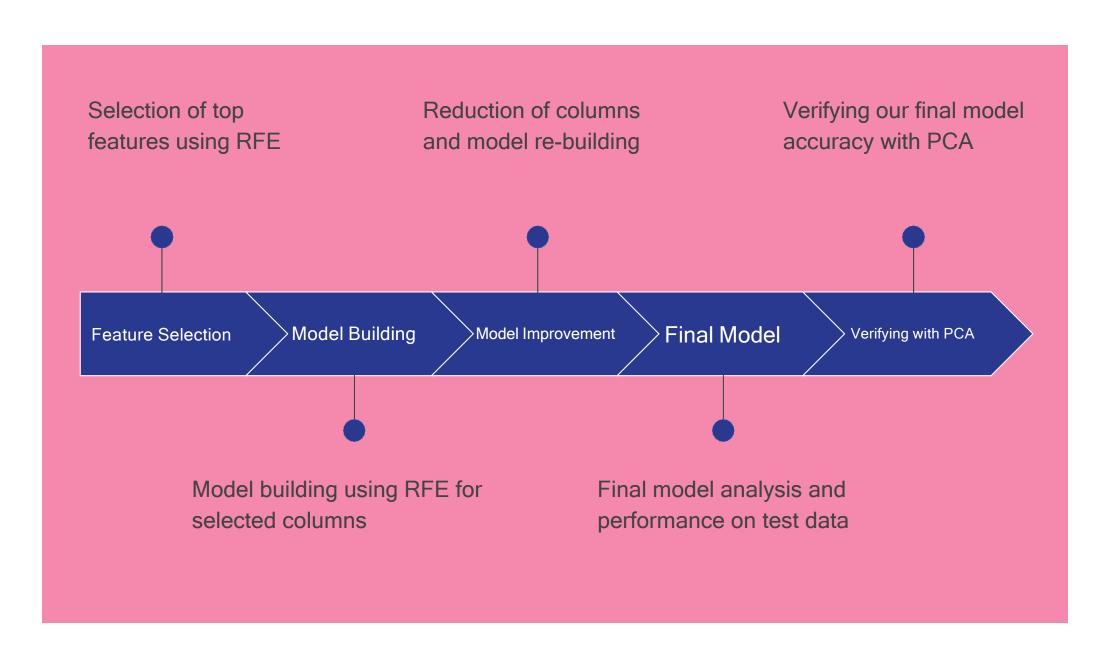
Since we would know certain categories based more about this smaller on their tendency or set of leads, we can probability to convert, have an impactful

#### **Increase Conversion**

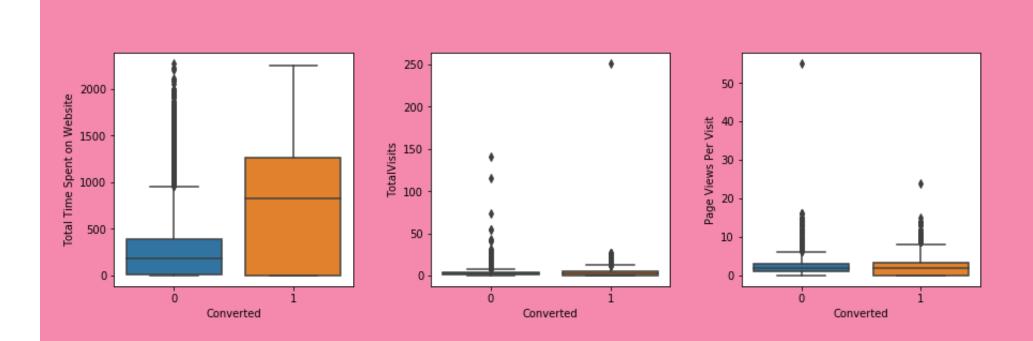
Since we focussed on hot leads, which were more probable to convert, we would have a better conversion rate.

## Implementation

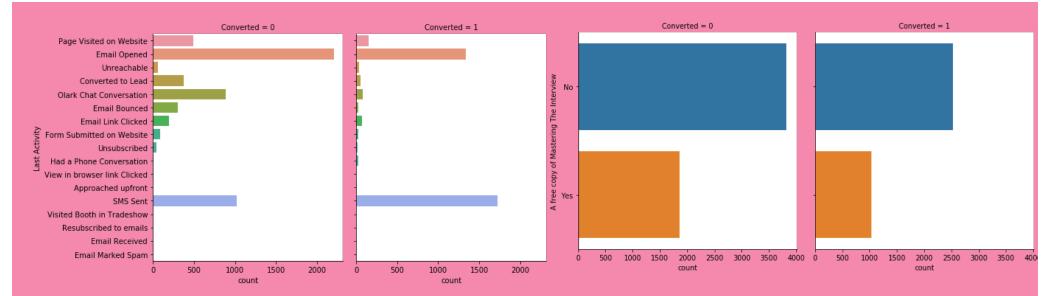




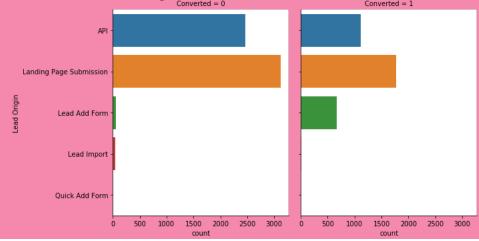
## Plots (Visualisation)

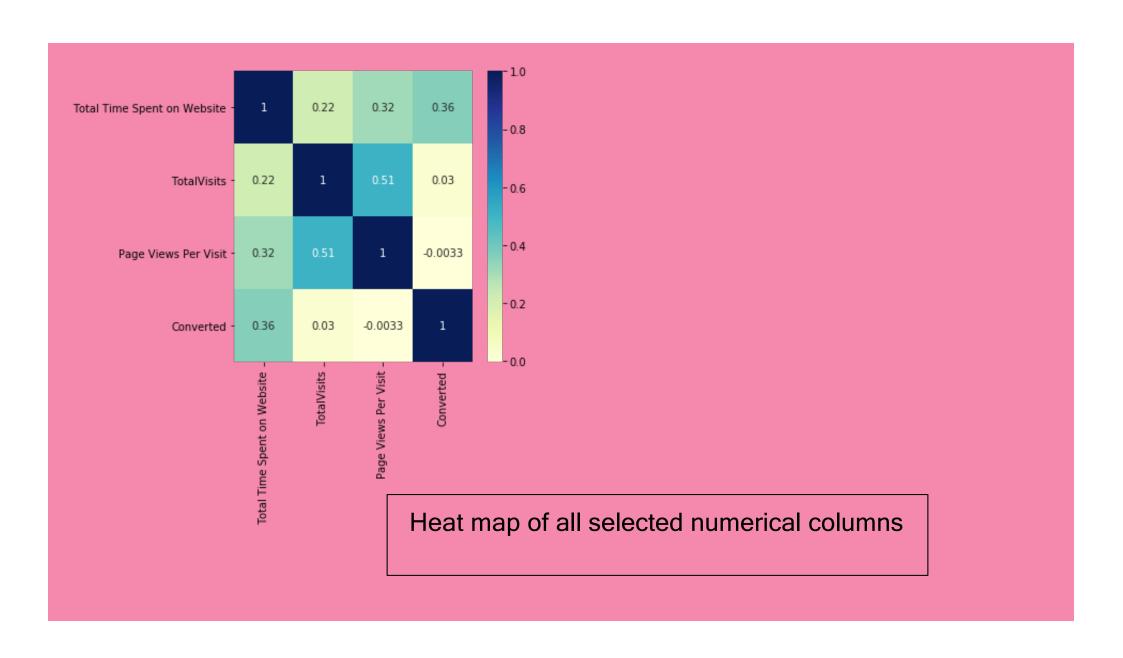


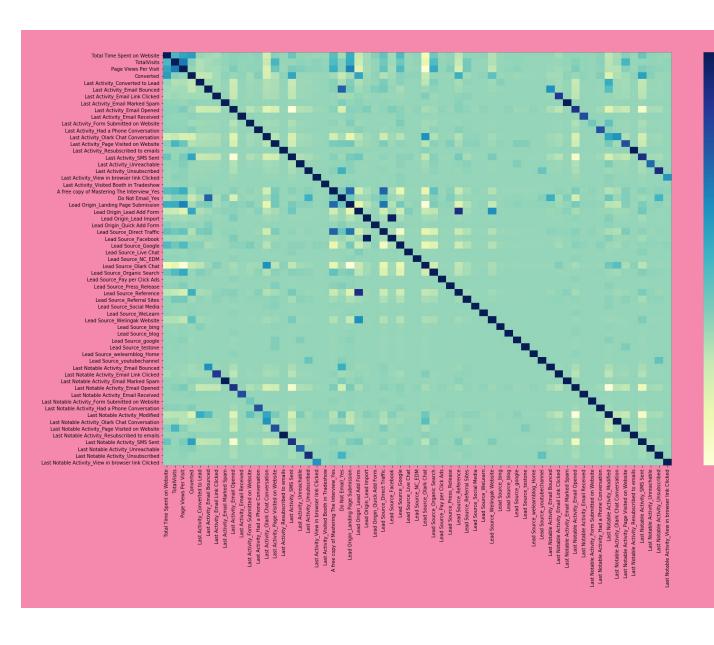
Plots depicting variation in numerical columns with converted



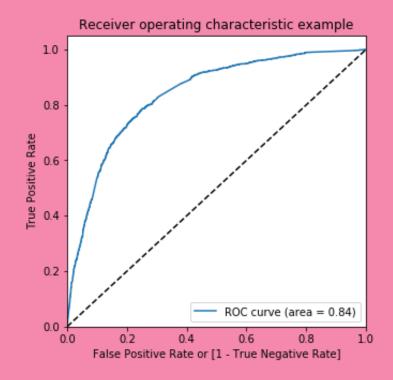
### Plots depicting variation in Last Activity, Mastering the interview and Lead origin for those who Converted vs those who didn't



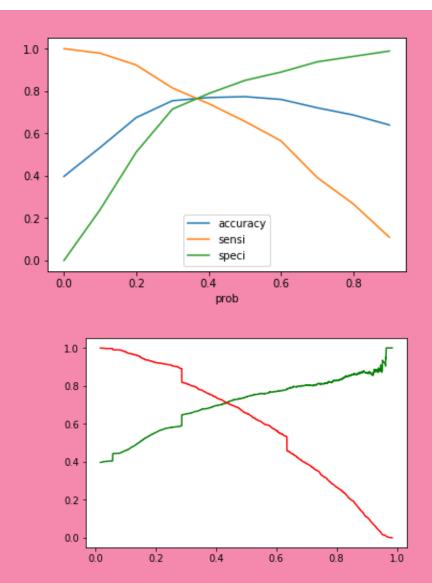


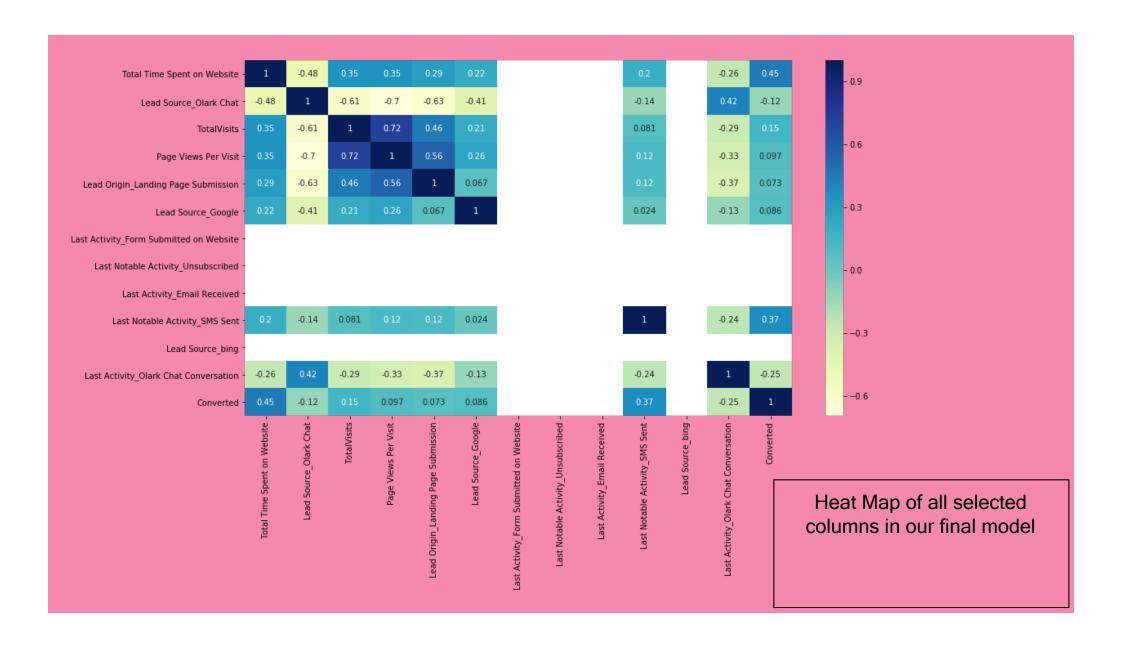


Heat map for all selected columns (numerical columns



Linear Regression Final Model Parameters Area under ROC = 0.84 Intermediate cut-off = 0.35 Final cut-off = 0.42





### Inference / Conclusion

## Model Analysis

Performance of our Final Model

Overall accuracy on Test set: 0.81

Sensitivity of our logistic regression model: 0.82

Specificity of our logistic regression model: 0.82

# Inferences from Model

Business Insights Derived from our Model

Top 3 variables in our model that contribute towards lead conversion are:

- Total Time Spent on Website
- TotalVisits
- Lead Origin

# Inferences from Model

Business Insights Derived from our Model

Top 3 variables in my model, that should be focused are:

- Last Activity\_SMS Sent (positive impact)
- Last Activity\_Olark Chat
   Conversation (negative impact)
- Lead Source\_Olark Chat (negative impacting)