



# Lead Scoring Case Study

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SUBJECTIVE ANSWERS

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1. Which are the top three variables in your model which contribute most towards the probability of a lead getting converted?
  - a. Last Notable Activity\_Unreachable 2.346566
  - b. Last Activity\_Had a Phone Conversation 2.312539
  - c. What is your current occupation\_Working Professional 1.258886

```
print(sorted_params)
sorted_params = res.params.sort_values(ascending=False)
print(sorted_params)
```

Features used in Final Model : Index(['Total Time Spent on Website', 'Last Activity\_Converted to Lead',  
'Last Activity\_Email Bounced', 'Last Activity\_Had a Phone Conversation',  
'Last Activity\_SMS Sent', 'What is your current occupation\_Student',  
'What is your current occupation\_Unemployed',  
'What is your current occupation\_Working Professional',  
'Last Notable Activity\_Modified', 'Last Notable Activity\_Unreachable'],  
dtype='object')

```
*****Feature Importance*****
Last Notable Activity_Unreachable      2.346566
Last Activity_Had a Phone Conversation  2.312539
What is your current occupation_Working Professional  1.258886
Total Time Spent on Website            1.166035
const                                  1.015663
Last Activity_SMS Sent                  0.795343
Last Notable Activity_Modified         -0.556772
Last Activity_Converted to Lead        -0.865305
Last Activity_Email Bounced           -1.508343
What is your current occupation_Unemployed -1.559398
What is your current occupation_Student -1.680094
dtype: float64
```



Target leads that spend more time on the X Education portal ( Total Time Spent on Website) , Last Notable Activity\_Unreachable can be approached again however will have lower probability of conversion due to course being offered price competitiveness and industry domain specific. Or can give some discount on these cases as per the budget allocation.

4. Similarly, at times, the company reaches its target for a quarter before the deadline. During this time, the company wants the sales team to focus on some new work as well. So during this time, the company's aim is to not make phone calls unless it's extremely necessary, i.e. they want to minimize the rate of useless phone calls. Suggest a strategy they should employ at this stage.

- SMS and Email or Whatsapp option can be used to communicate with client who has high probability of subscribing course , rather than call.

Thank You