

1. Which are the top three variables in your model which contribute most towards the probability of a lead getting converted?

Solution:

The following are the top three factors that influence the likelihood of a lead being converted the most, according to the coefficient values from the below screenshot:

- Amount of time spent on the website.
- Have a phone conversation;
- Lead Add Form (from Lead Origin) ( from Last Notable Activity)

	coef
const	-2.3134
Do Not Email	-1.1067
TotalVisits	1.5038
Total Time Spent on Website	4.5275
LeadOrigin_Landing Page Submission	-0.3253
LeadOrigin_Lead Add Form	3.7313
LeadSource_Olark Chat	1.5706
LeadSource_Welingak Website	2.1406
LastActivity_Email Bounced	-0.9859
LastActivity_Not Sure	-1.5943
LastActivity_Olark Chat Conversation	-1.3427
LastActivity_SMS Sent	1.3544
CurrentOccupation_No Information	-1.3041
CurrentOccupation_Working Professional	2.6421
LastNotableActivity_Had a Phone Conversation	3.2904
LastNotableActivity_Unreachable	1.7567

2. What are the top 3 categorical/dummy variables in the model which should be focused the most on in order to increase the probability of lead conversion?

Solution:

Again, based on the coefficient values from the screen shot in the question above, the top three categorical/dummy variables on which the most emphasis should be placed to raise the likelihood of lead conversion are as follows:

- Lead Add Form (from Lead Origin)
- Talked on the phone ( from Last Notable Activity)
- Professionals in the workforce ( from What is your current occupation)

[illegible]

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.