

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

Solution:

Based on the coefficient values from below screenshot, the following are the top three variables that contribute most towards the probability of a lead getting converted :

- Welingak Website ( from Lead Source)
- Total Time spent on the Website
- Reference ( from Lead Source)

	coef	std err	z	P> z	[0.025	0.975]
<b>const</b>	-2.2975	0.119	-19.296	0.000	-2.531	-2.064
<b>Do Not Email</b>	-1.1269	0.174	-6.486	0.000	-1.467	-0.786
<b>Total Time Spent on Website</b>	4.4551	0.164	27.192	0.000	4.134	4.776
<b>LeadSource_Olark Chat</b>	1.1777	0.103	11.400	0.000	0.975	1.380
<b>LeadSource_Reference</b>	3.7329	0.217	17.217	0.000	3.308	4.158
<b>LeadSource_Welingak Website</b>	5.5265	0.723	7.641	0.000	4.109	6.944
<b>LastActivity_Email Opened</b>	0.4582	0.108	4.249	0.000	0.247	0.670
<b>LastActivity_SMS Sent</b>	1.6265	0.108	15.036	0.000	1.414	1.839
<b>CurrentOccupation_No Information</b>	-1.1649	0.088	-13.221	0.000	-1.338	-0.992
<b>CurrentOccupation_Working Professional</b>	2.5101	0.185	13.577	0.000	2.148	2.872
<b>LastNotableActivity_Modified</b>	-0.6494	0.089	-7.264	0.000	-0.825	-0.474
<b>LastNotableActivity_Olark Chat Conversation</b>	-1.1467	0.370	-3.096	0.002	-1.873	-0.421
<b>LastNotableActivity_Unreachable</b>	2.3843	0.592	4.030	0.000	1.225	3.544

- 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:

The following are the top three categorical/dummy variables that should be focused the most in order to increase the probability of lead conversion :

- SMS Sent (from Last Activity)
- Unreachable ( from Last Notable Activity)



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.