

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

Ans. Top three variables contributing to the probability of a lead getting converted:

- 1.Total time spent on the website.
- 2.Total number of visits.
- 3.Lead source, particularly when the source is Google, Direct Traffic, or Organic Search.

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?

Ans. Top 3 Categorical/Dummy variables to increase probability are:

1. Lead Source with elements google
2. Lead Source with elements direct traffic
3. Lead Source with elements organic search

3. X Education has a period of 2 months every year during which they hire some interns. The sales team, in particular, has around 10 interns allotted to them. So during this phase, they wish to make the lead conversion more aggressive. So they want almost all of the potential leads (i.e. the customers who have been predicted as 1 by the model) to be converted and hence, want to make phone calls to as much of such people as possible. Suggest a good strategy they should employ at this stage.

Ans. Phone calls must be done to people if:

- ☐ They spend a lot of time in the website and this can be done by making the website interesting and thus bringing them back to the site.
- ☐ They are seen coming back to the website repeatedly
- ☐ Their last activity is through SMS or through Olark chat conversation
- ☐ They are working professionals

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.

Ans. When the quarterly target is reached ahead of the deadline, X Education should focus on reducing unnecessary phone calls by using automated emails and SMS as primary communication channels and reserving phone calls only for emergencies or highly promising leads based on top contributing variables such as total time spent on the website, total number of visits, and specific lead sources.