

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

**Ans :** The three key variables in the model that hold the most significant influence over the probability of lead conversion are:

- TotalVisits:
- Total Time Spent on Website:
- Page Views Per Visit:

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:** To increase the probability of lead conversion, it's important to focus on the following top three categorical/dummy variables in the model:

- Lead Source
- Specialization
- Last Activity

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:** The good strategy for all potential leads to be converted:

- Target leads that spend a lot of time on X-Education site (Total Time Spent on Website)
- Target leads that repeatedly visit the site (Page Views Per Visit). However, they might be repeatedly visiting to compare courses from the other sites, as the number of visits might be for that reason. So the interns should be a bit more aggressive

and should ensure competitive points where X-Education is better, are strictly highlighted.

- Target leads that have come through References as they have a higher probability of converting
  - Students can be approached, but they will have a lower probability of converting due to the course being industry based. However, this can also be a motivating factor to ensure industry readiness by the time they complete their education
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.** During periods when the company has already achieved its quarterly targets ahead of schedule and aims to shift the sales team's focus to new initiatives while minimizing unnecessary phone calls, the following strategy can be implemented:

- Do not focus on unemployed leads. They might not have a budget to spend on the course
- Do not focus on students, since they are already studying and would not be willing to enroll into a course specially designed for working professionals, so early in the tenure