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

Sol:

These are the top variables that contribute to the result

•  Total Time Spent on Website

•  Total Visits

•  What is your current occupation\_Unemployed

1. **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?**

Sol:

The top 3 Categorical/Dummy variables to increase probability are:

* Lead Source\_Reference
* Lead Source\_Social Media
* Lead Source\_Olark Chat

1. **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.**

Sol:

* Target leads that spend a lot of time on the 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 strongly 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

1. **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.**

**Sol:**

Do not focus on students, since they are already studying and would not be willing to enrol into a course specially designed for working professionals, so early in the tenure.In this condition, they need to focus more on other methods like automated emails and SMS. This way calls won’t be required unless it is an emergency. The above strategy can be used but with the customers that have a very high chance of buying the course.