

Subjective Questions and their Answers

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

Answer: The top three variables based on the final model which contributes most towards the probability of lead getting converted are:

- Tags_Closed by Horizzon
- Lead_Quality_High in Relevance
- Lead Origin_Lead Add Form
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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?

Answer: The top 3 categorical/dummy variables in the model that be focused most in order to increase the probability of lead conversion are:

1. Leads Closed by Horizzon (Tags_Closed by Horizzon)

Leads that were previously closed by Horizzon have the highest positive impact on the likelihood of conversion.

2. High-Relevance Lead Quality (Lead_Quality_High in Relevance)

Lead quality is a critical factor, with those rated as "High in Relevance" being much more likely to convert.

3. Lead Origin from 'Lead Add Form' (Lead Origin_Lead Add Form)

Leads originating from the 'Lead Add Form' are also strong predictors of conversion.

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 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.

Answer: To make lead conversion more aggressive during the intern-hiring period, X Education can employ the following strategy based on the given variables and their coefficients:

1. Focus on Leads Closed by Horizzon (Tags_Closed by Horizzon)

Insight: Leads that were previously closed by Horizzon have the highest positive impact on the likelihood of conversion.

Recommendation:

- o Prioritize similar leads in your current pipeline, as they have a higher probability of conversion.
- o Investigate what specific factors or strategies Horizzon used to successfully close these leads, and replicate those strategies across the organization.
- o Consider segmenting these leads for targeted campaigns or assigning them to the most experienced sales representatives.

2. Emphasize High-Relevance Lead Quality (Lead_Quality_High in Relevance)

Insight: Lead quality is a critical factor, with those rated as "High in Relevance" being much more likely to convert.

Recommendation:

- o Enhance the lead qualification process to ensure that leads marked as "High in Relevance" are given priority.
- o Use this insight to refine your lead scoring system, ensuring that high-relevance leads are scored appropriately and followed up promptly.
- o Consider allocating more resources to nurturing these leads, as they are more likely to result in successful conversions.

3. Optimize the Lead Origin from 'Lead Add Form' (Lead Origin_Lead Add Form)

Insight: Leads originating from the 'Lead Add Form' are also strong predictors of conversion.

Recommendation:

- o Increase focus on optimizing and promoting the 'Lead Add Form' across different channels, as it is a significant source of high-quality leads.
- o Analyze the form's performance and user experience to ensure it is easy to use and captures the necessary information effectively.
 - o Consider implementing A/B testing or improving the user interface to further enhance conversion rates from this source.

- **Leverage effective communication channels:** Leads who have been sent SMS messages and have opened the emails are also more likely to convert. The coefficients for Last Activity_SMS Sent and Last Activity_Email Opened are 2.051879 and 0.942099, respectively. Therefore, the sales team should prioritize calling leads who have been sent SMS messages or have opened emails from X Education.

- **Maximize website engagement:** Total Time Spent on the Website is also a good indicator of the lead's interest in X Education's services, with a coefficient of

1.049789. Therefore, the sales team should also prioritize calling leads who have spent a significant amount of time on the website.

- **Maintain a multi-channel approach:** Finally, the sales team should also make sure to follow up with leads who have interacted with X Education through multiple channels. For example, leads who have used the Olark Chat feature on the website may not have spent as much time on the website, but may still be interested in X Education's services. Therefore, the sales team should make sure to follow up with leads who have used multiple channels to interact with X Education.

In summary, to make lead conversion more aggressive during the intern-hiring period, X Education should focus on leads from high-potential sources, leverage effective communication channels, maximize website engagement, and maintain a multi-channel approach.

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.

Answer: To minimize the rate of useless phone calls when the company reaches its sales target for a quarter before the deadline, the sales team can employ the following strategy:

- Focus on lead nurturing activities such as personalized emails, SMS's and targeted newsletters.
- Sending automated SMS to customers that have very good likelihood of getting converted
- Collaborate with the sales team, management, and data scientists to teams to fine-tune the model and gather feedback on what worked and what didn't.
- Make the strategy for providing discounts or incentives to potential customers to encourage them to take action.
- Focus on building relationships with potential customers through other communication channels like email, social media, or chatbots.
- Gather feedback from existing customers to improve the quality of the leads generated and optimize the conversion rate.