

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

**Ans** Based on the coefficients from our logistic regression model, the top three variables that contribute the most towards the probability of a lead getting converted are:

1. **`occupation\_Working Professional`**: This variable has the highest positive coefficient of approximately 3.709. Leads with the occupation "Working Professional" are more likely to get converted.

2. **`Lead\_Origin\_Lead Add Form`**: This variable has a positive coefficient of approximately 3.648. If a lead's origin is from the "Lead Add Form," they are more likely to get converted.

3. **`Lead\_Source\_Welingak Website`**: This variable has a positive coefficient of approximately 2.068. Leads sourced from the "Welingak Website" are also more likely to get converted.

These variables have the highest positive impact on the likelihood of conversion, according to your logistic regression model.

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 crucial to pay close attention to the top three categorical/dummy variables that have the highest positive coefficients in your model. These variables play a significant role in determining whether a lead will convert or not. Let's explore some strategies to enhance each of these categories:

1. **`occupation\_Working Professional`**:

- Targeted Content : Create content and offers specifically tailored to the needs and interests of working professionals. This could include webinars, workshops, or courses that align with their career goals.

- Segmentation : Segment your email lists to send personalized content to this group. Ensure that your communications address their professional aspirations and pain points.

- Engagement : Engage with them on social media platforms that are popular among professionals, such as LinkedIn. Share valuable insights and industry news to position your institution as an industry authority.

2. **`Lead\_Origin\_Lead Add Form`**:

- Optimize Lead Forms : Continuously optimize your lead generation forms, especially the "Lead Add Form." Ensure they are user-friendly, concise, and collect relevant information without overwhelming the user.

- A/B Testing : Conduct A/B tests on your lead forms to understand what elements (e.g., form length, fields, CTAs) drive higher conversions. Implement changes based on data-driven insights.

- Follow-Up : Implement a prompt and efficient follow-up process for leads generated through this form. Quick responses and personalized follow-ups can significantly impact conversion rates.

### 3. 'Lead Source Welingak Website':

- Website Optimization : Enhance the design and functionality of the website, making it more user-friendly and visually appealing. Ensure it loads quickly and is mobile-responsive.

- Content Quality : Populate the website with high-quality, informative content that addresses the pain points and questions of your target audience.

- Clear CTAs : Use clear and compelling Calls-to-Action (CTAs) on your website, guiding visitors toward lead generation forms or other conversion points.

- User Analytics : Utilize web analytics tools to understand user behavior on your website. Identify pages or sections where users drop off and take steps to improve those areas.

By implementing these strategies, you can maximize the potential of these high-impact categorical variables to increase lead conversion rates. It's essential to continuously monitor and analyze your results, refining your approaches based on data-driven insights to achieve even better outcomes.

**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 many of such people as possible. Suggest a good strategy they should employ at this stage.

### Ans

During the two-month period when X Education hires interns to make lead conversion more aggressive, there are several strategies the sales team can employ to maximize the conversion of potential leads predicted as "1" by the model. Here's a recommended strategy:

#### **- Prioritize High-Potential Sources:**

- Focus on leads from sources with high coefficients, such as:
  - Working Professionals (Coefficient: 3.71)
  - Leads from the "Lead Add Form" (Coefficient: 3.65)
  - Welingak Website (Coefficient: 2.07)
- These sources have a higher likelihood of conversion, so prioritize calling leads from these channels.

#### **- Leverage Effective Communication Channels:**

- Concentrate efforts on leads who have shown positive engagement, such as those who have received SMS messages (Coefficient: 2.05) or have opened emails (Coefficient: 0.94).
- These leads are more likely to convert, so prioritize contacting them.

**- Maximize Website Engagement:**

- Give special attention to leads who have spent a significant amount of time on the website (Coefficient: 1.14).
- Engage with leads who have shown this behavior, as they are more likely to convert.

**- Maintain a Multi-Channel Approach:**

- Consider leads who have interacted through multiple channels. For instance, leads who used the Olark Chat feature may not have spent as much time on the website but could still be interested.
- Ensure follow-up with leads who have used various communication channels.

This strategy combines prioritizing high-potential sources, utilizing effective communication channels, maximizing website engagement, and maintaining a multi-channel approach to optimize lead conversion during the intern-hiring period.

**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**

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:

- 1. Continuous Collaboration:** Foster close collaboration between the sales team, management, and data scientists. Work together to fine-tune the lead scoring model based on evolving lead behavior and market dynamics. Gather feedback from the sales team about what strategies have been effective and what hasn't.
- 2. Incentives and Discounts:** Develop a strategy for providing discounts or incentives to potential customers during this phase. Offering special deals can motivate leads to make a decision and convert without the need for extensive phone calls.
- 3. Automated SMS Campaigns:** Implement automated SMS campaigns specifically targeting leads with a high likelihood of conversion. By sending timely and relevant messages, the sales team can encourage these leads to take action without direct calls.

4. **Lead Nurturing Activities:** Shift the focus towards lead nurturing activities, including personalized emails, SMS messages, and targeted newsletters. This approach keeps leads engaged and interested without the need for immediate phone calls.

5. **Diversified Communication Channels:** Explore other communication channels to build and maintain relationships with potential customers. Utilize email marketing, social media engagement, and chatbots to keep leads engaged and informed.

6. **Customer Feedback:** Seek feedback from existing customers to improve the quality of leads generated. Understand what led them to convert and apply these insights to optimize the conversion rate of new leads.

By implementing these strategies, X Education can ensure that the sales team optimizes its efforts during periods when sales targets have been achieved early. This approach minimizes the rate of unnecessary phone calls and maintains efficiency in lead conversion efforts.