**SUBJECTIVE QUESTIONS**

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

**Solution:**

Following are the top three variables which contribute most towards the probability of a lead getting converted:

Tags\_Closed by Horizzon: Leads that have been assigned Tags as ‘closed by horizon’ have the highest probability of conversion.

Tags\_Lost: Leads that have been tagged as ‘Lost ‘also contribute to the conversion to a considerable extent.

Tags\_Will revert after reading the email: Leads that have been tagged as ‘will revert after reading the mail’ also have significant correlation with the conversion.

**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?**

**Solution:**

Following are the top 3 categorical/ dummy variables that should be focused the most on in order to increase the probability of lead conversion:

Tags\_Closed by Horizzon: Leads that have been assigned Tags as ‘closed by horizon’ have the highest probability of conversion.

Tags\_Lost: Leads that have been tagged as ‘Lost ‘also contribute to the conversion to a considerable extent.

Tags\_Will revert after reading the email: Leads that have been tagged as ‘will revert after reading the mail’ also have significant correlation with the 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 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.**

**Solution:**

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| The company has two months in its hands and has also dedicated 10 interns for this work. It has ample amount of time & resources with it so it should make an effort to reach `all the potential leads` but should also focus more on leads who have low probability of conversion to improve the overall lead conversion rate. Focusing more on leads showing lower conversion rate will help in improving overall conversion. Following is the list of variables & its correlation with Lead conversion: Sr. No. | Variables | Correlation with Lead Conversion |
| 1) | Tags\_Will revert after reading the email | 0.65 |
| 2) | Total Time Spent on Website | 0.35 |
| 3) | Last Activity\_SMS Sent | 0.34 |
| 4) | Lead Origin\_Lead Add Form | 0.31 |
| 5) | Tags\_Closed by Horizzon | 0.23 |
| 6) | Tags\_Lost | 0.16 |
| 7) | Lead Source\_Welingak Website | 0.15 |
| 8) | Last Notable Activity\_Olark Chat Conversation | -0.074 |
| 9) | Tags\_No phone number | -0.108 |
| 10) | Lead Source\_Olark Chat | -0.124 |
| 11) | Last Activity\_Email Bounced | -0.127 |
| 12) | Tags\_Others | -0.204 |
| 13) | Last Notable Activity\_Modified | -0.263 |