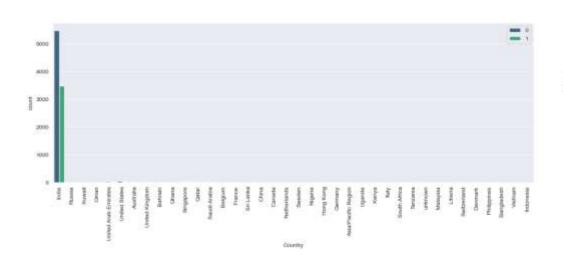
Lead Score assignment

X Education enrolling Analysis

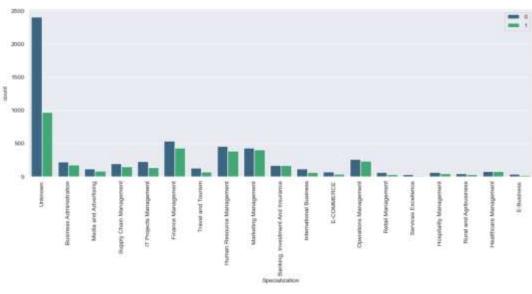
1	Lead Source	9204	non-null	орјест
2	Do Not Email		non-null	object
3	Do Not Call		non-null	object
4	Converted	9240	non-null	int64
5	TotalVisits		non-null	float64
6	Total Time Spent on Website	9240	non-null	int64
7	Page Views Per Visit	9103	non-null	float64
8	Last Activity	9137	non-null	object
9	Country	6779	non-null	object
10	Specialization	7802	non-null	object
11	How did you hear about X Education	7033	non-null	object
12	What is your current occupation	6550	non-null	object
13	What matters most to you in choosing a course	6531	non-null	object
14	Search	9240	non-null	object
15	Magazine	9240	non-null	object
16	Newspaper Article	9240	non-null	object
17	X Education Forums	9240	non-null	object
18	Newspaper	9240	non-null	object
19	Digital Advertisement	9240	non-null	object
20	Through Recommendations	9240	non-null	object
21	Receive More Updates About Our Courses	9240	non-null	object
22	Tags	5887	non-null	object
23	Lead Quality	4473	non-null	object
24	Update me on Supply Chain Content	9240	non-null	object
25	Get updates on DM Content	9240	non-null	object
26	Lead Profile	6531	non-null	object
27	City	7820	non-null	object
28	Asymmetrique Activity Index	5022	non-null	object
29	Asymmetrique Profile Index	5022	non-null	object
30	Asymmetrique Activity Score	5022	non-null	float64
31	Asymmetrique Profile Score	5022	non-null	float64
32	I agree to pay the amount through cheque	9240	non-null	object
33	A free copy of Mastering The Interview	9240	non-null	object
34	Last Notable Activity	9240	non-null	object

Overall view of country and specialization

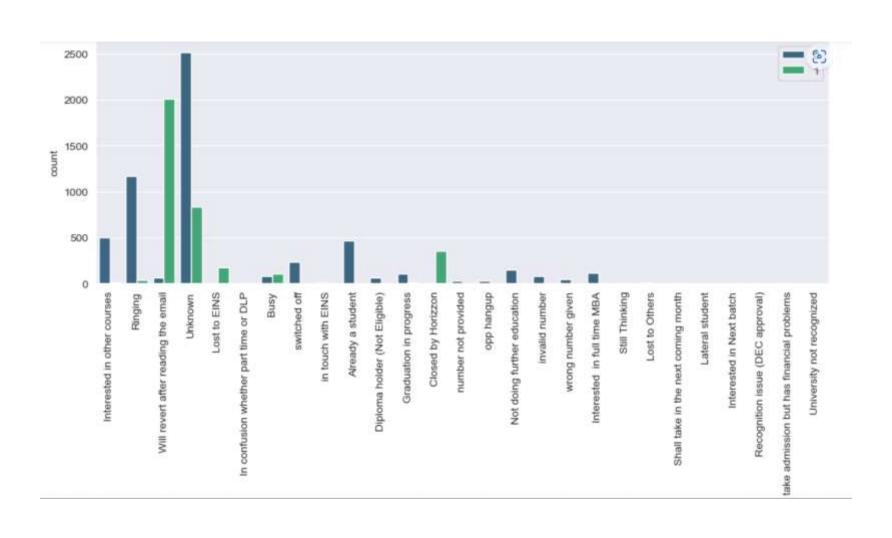
Country



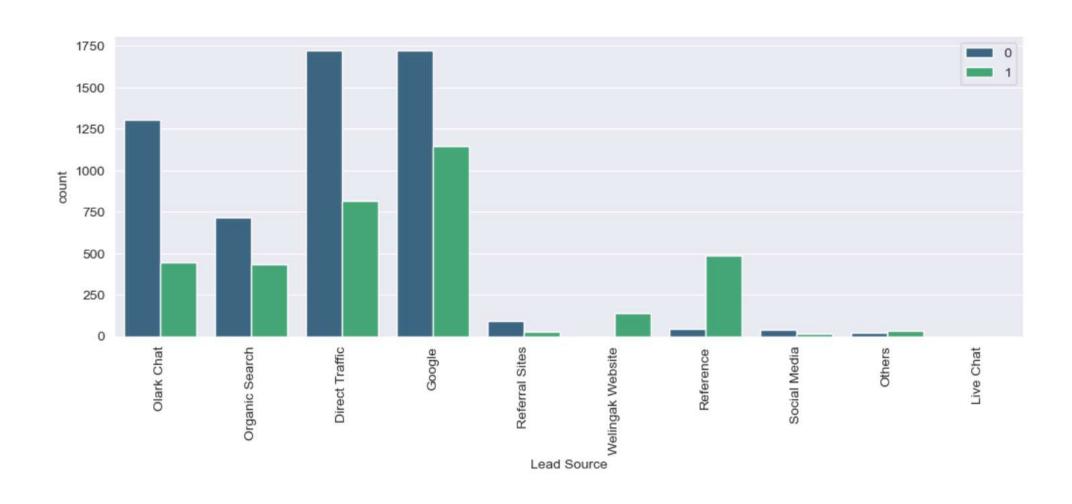
Specialization



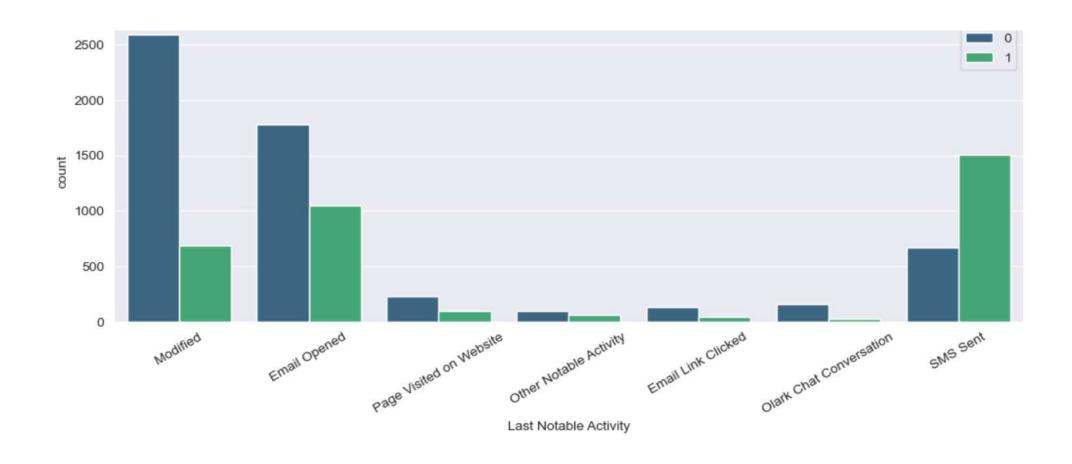
Why they are interesting

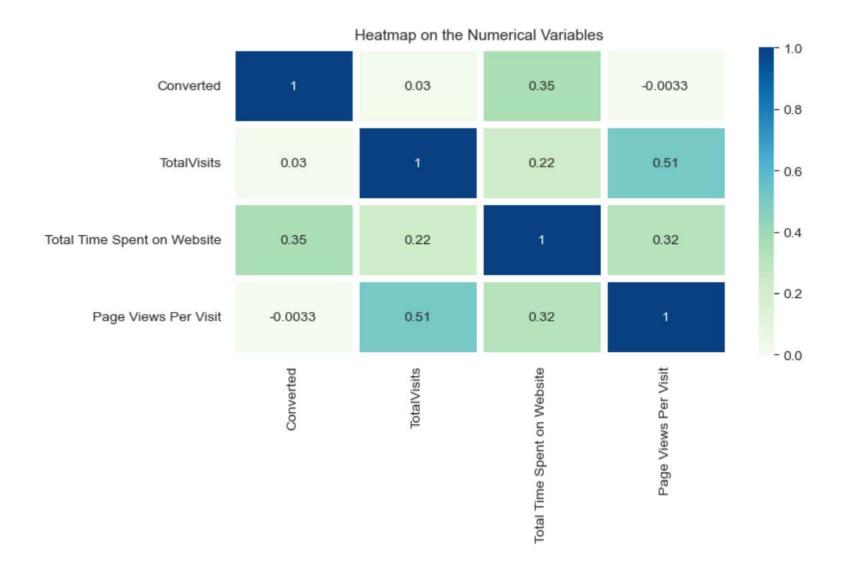


Approaching modes



Interacting





Generalized Linear Model Regression Results

Dep. Variable:	Converted	No. Observations:	6267

Model: Df Residuals: 6253 GLM Model Family: Binomial Df Model: 13 Link Function: Logit Scale: 1.0000 IRLS Log-Likelihood: -1263.3 Method:

Sun, 16 Apr 2023 Date: Deviance: 2526.6 Time: 02:44:57 Pearson chi2: 8.51e+03 No. Iterations: Pseudo R-squ. (CS): 0.6037

Covariance Type: nonrobust

Tags Lost to EINS

Tags_Other Tags

______ P> | z | coef std err [0.025 0.975] 0.000 -0.954 const -1.1179 0.084 -13.382 -1.282 Total Time Spent on Website 0.993 0.8896 0.053 16.907 0.000 0.786 Lead Origin Lead Add Form 1.6630 0.455 3.657 0.000 0.772 2.554 Lead Source Direct Traffic -1.070 -0.572 -0.8212 0.127 -6.471 0.000 Lead Source Welingak Website 3.8845 1.114 3.488 0.000 1.701 6.068 Last Activity SMS Sent 17.718 0.000 1.777 2.219 1.9981 0.113 Last Notable Activity_Modified -1.6525 0.124 -13.279 0.000 -1.896 -1.409 Last Notable Activity Olark Chat Conversation -3.669 0.000 -2.765 -0.839 -1.8023 0.491 Tags Closed by Horizzon 9.195 7.1955 1.020 7.053 0.000 5.196 Tags_Interested in other courses 0.406 -5.253 -2.927 -1.336 -2.1318 0.000

Tags_Ringing -3.4531 Tags Will revert after reading the email 4.5070 0.188 24.002 0.000 4.139 4.875

0.611

0.206

0.238

9.689

-11.507

-14.532

0.000

0.000

0.000

4.721

-2.778

-3.919

7.115

-1.969

-2.987

5.9177

-2.3737

Final Observation:

Let us compare the values obtained for Train & Test:

Train Data:

Accuracy: 92.29%Sensitivity: 91.70%Specificity: 92.66%

Test Data:

Accuracy: 92.78%Sensitivity: 91.98%Specificity: 93.26%

The Model seems to predict the Conversion Rate very well & we should be able to give the CEO confidence in making good calls based on this model.