Quero Educação G-Lab 2018

Our Team



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Our Company



São José dos Campos, SP Brazil An online marketplace offering discount enrollment waivers to private universities

The Project

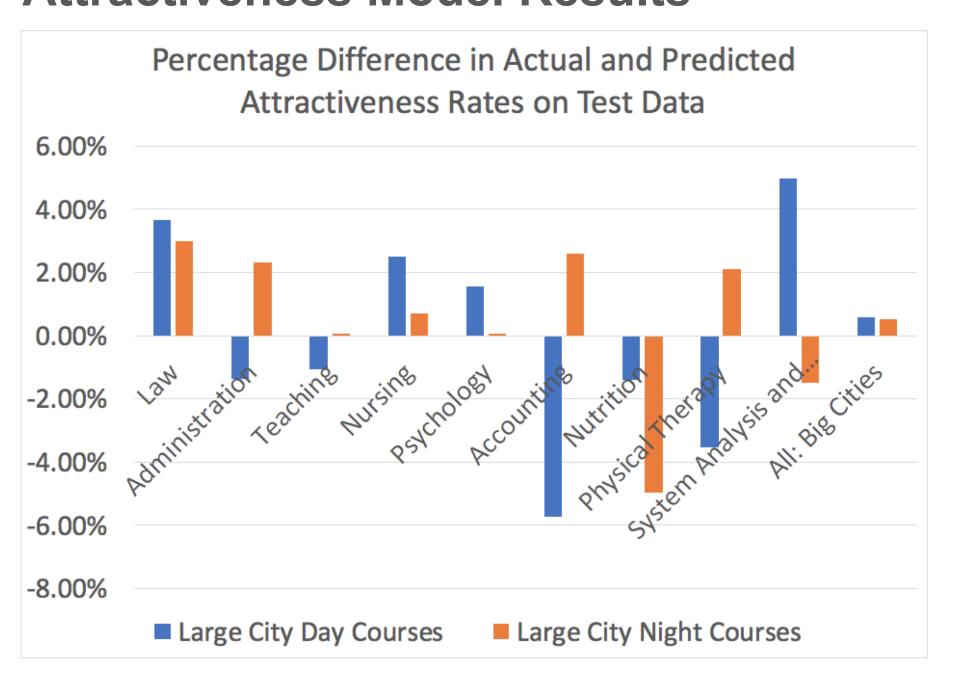
Goal of the project was to better understand Quero's conversion rates to enable better inventory management and revenue projections.

- Attractiveness Rate Transition from search/visit to order generation
- Success Rate Percentage of orders that are completed with payment

Important Independent Variables

	Course and Student	Display and Time
Price and Value	Characteristics	Factors
Discount Percentage	Length of program	Peak Season
Offered Price	Size of city	Off Peak season
Full Price	Distance from Student	Page of search results
Review Score	Specificity of search	Top 3 results displayed
Brand Awareness		
Brand and Course Value		

Attractiveness Model Results



	Law		Administration		Teaching		Nursing	
	Coefficients	Margins	Coefficients	Margins	Coefficients	Margins	Coefficients	Margins
offered_price	-0.00147	-0.01% ***	-0.0023	-0.02% ***	-0.00281	-0.02% ***	-0.00191	-0.01% ***
full_price	0.00022	0.00% ***	0.00032	0.00% ***	0.00041	0.00% ***	0.00023	0.00% ***
course_length_in_months	n/a		n/a		-0.0168	-0.14% ***	-0.00515	-0.04%
pop_100k	-0.00462	-0.03% ***	-0.00448	-0.03% ***	-0.00436	-0.04% ***	-0.00411	-0.03% ***
university_brand_awareness	-0.00012	0.00% ***	-0.00007	0.00% **	-0.00011	0.00% **	-0.0001	0.00% ***
university_avg_brand_value	0.00111	0.01% ***	0.00099	0.01% *	0.00148	0.01% **	0.00044	0.00% .
og(distance)	-0.01941	-0.02% **	-0.00984	-0.01%	-0.0496	-0.04% ***	-0.02806	-0.02% ***
current_page	-0.02477	-0.18% .	-0.03976	-0.30% *	-0.03979	-0.33% *	-0.02396	-0.18%
peak1	0.1227	0.91% **	0.2694	2.05% ***	0.16	1.35% *	0.04769	0.36%
peak2	-0.05326	-0.39%	-0.0255	-0.19%	-0.00882	-0.07%	-0.209	-1.59% ***
offpeak	-0.06318	-0.47%	-0.1944	-1.48% .	-0.15	-1.26%	-0.4092	-3.11% ***
course_specifed	0.5139	3.79% ***	0.5381	4.09% ***	0.5371	4.52% ***	0.5211	3.96% ***
university_specified	0.1428	1.05% ***	0.1439	1.09% **	0.07485	0.63% .	0.238	1.81% ***
shift_specified	0.4065	3.00% ***	0.4149	3.15% ***	0.5592	4.70% ***	0.1984	1.51% **
Log Liklihood	-17,229		-7,880		-8,004		-14,963	
Pseudo R2	1.69%		2.34%		2.65%		1.92%	
# obs (train)	62,280		27,969		26,295		52990	
Actual Conversion rate (train)	8.11%		8.40%		9.44%		8.38%	
Diff. from Actual	3 65%		-1 37%		-1 07%		2.51%	

Logistic Regression Model Calibration:

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)	
(Intercept)	-2.105e+00	7.380e-03	-285.181	< 2e-16	***
price	-5.071e-04	5.654e-06	-89.695	< 2e-16	***
order_value	9.014e-03	1.025e-03	8.795	< 2e-16	***
Income_2_4	2.816e-01	3.912e-03	71.984	< 2e-16	***
peak	1.559e-01	3.966e-03	39.320	< 2e-16	***
campStill	-3.115e-02	4.492e-03	-6.935	4.06e-12	***
sameState	2.111e-01	6.919e-03	30.506	< 2e-16	***
Vestibulando	5.777e-01	4.628e-03	124.816	< 2e-16	***
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Used Model to Estimate Price Elasticity

