The Future of Enrollment Management:

How Artificial Intelligence and Machine Learning Can Positively Impact GME Enrollment Outcomes

Prescriptive Analytics and Intelligent Names May 18, 2022

LIAISON

Presenters

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Andy Hannah

President othot

Adjunct Professor of Analytics, University of Pittsburgh Senior Advisor and Faculty Member of the International Institute of Analytics Board of Visitors, Katz Graduate School of Business, University of Pittsburgh



Stephen Taylor

Research Director

BUSINESS CAS



Your Ecosystem Approach to the Student Journey







2000's Top Ten Did Not



What is the Relevance to Higher Ed?

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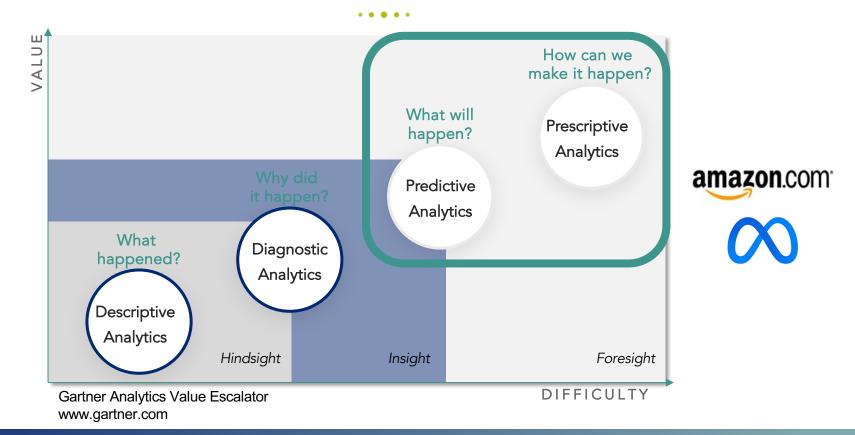


Insights is the language of decision makers

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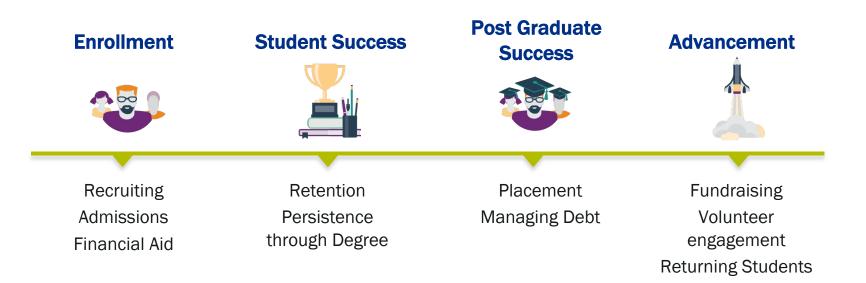
The Emergence of AI and ML as Decision Drivers





Al and ML Create Better Outcomes for Students and Institutions

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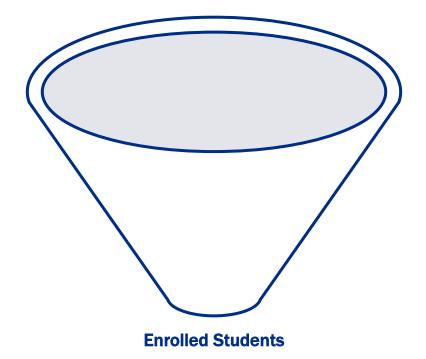


Predict Behavior and Prescribe Actions that Optimize Outcome



We Face Myriad of Challenges





Top of funnel contacts

- Cliff
- Test Optional
- International?
- Stealth
- Value
- Outcomes
- Resources

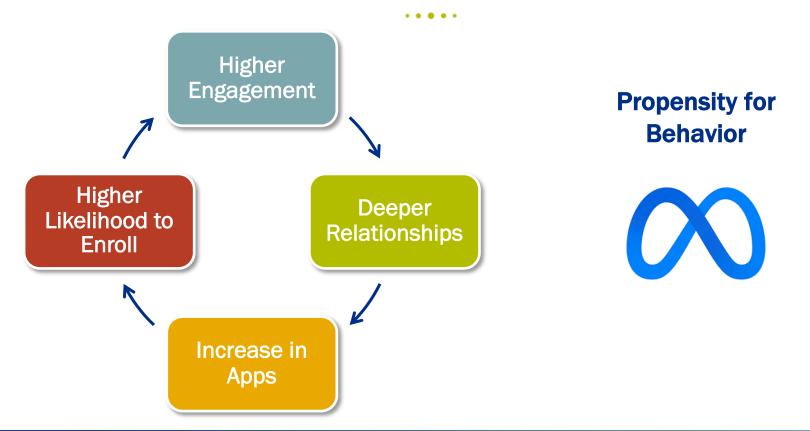




The Intelligent Funnel



Top of the Funnel Disruption

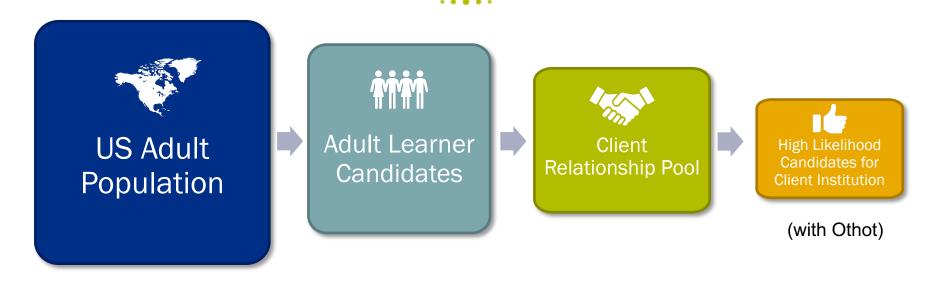




A customizable, costeffective advanced analytics solution to start building relationships with the best adults for your institution



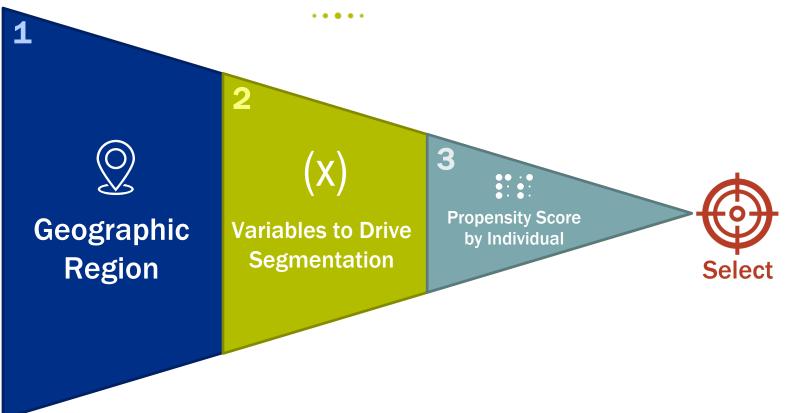
Intelligent Names: Targeting the Segments and Individual



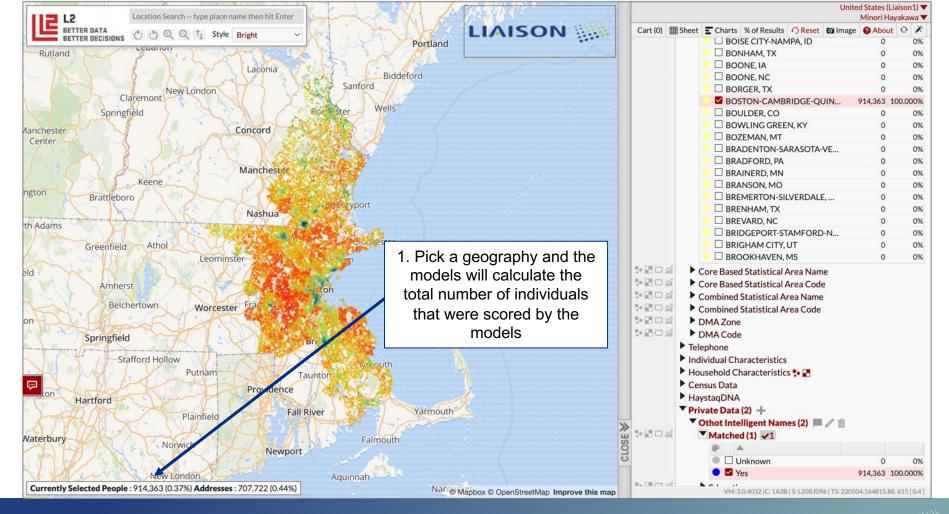
- Focused on *Individualism* just because "you" look like someone doesn't mean you have the same academic ambitions
- Driven by "living analytics" continuous updated as new data is available

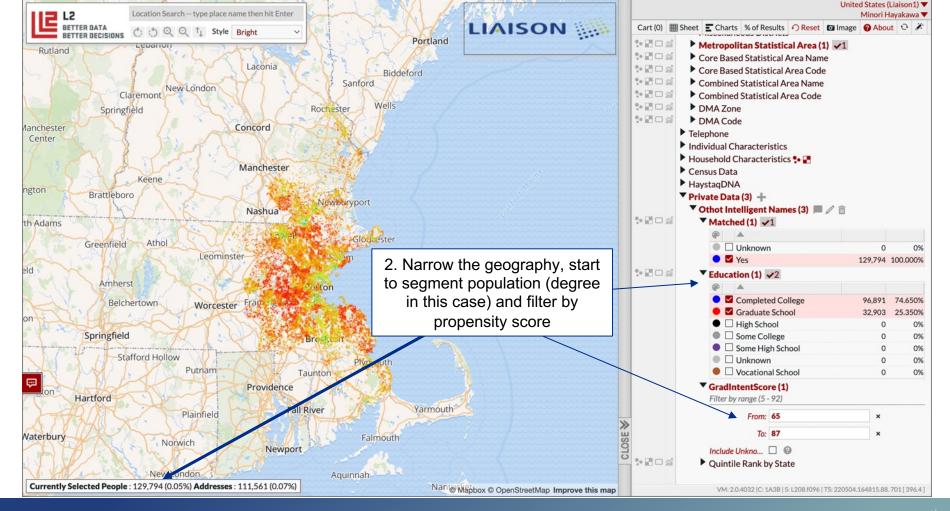


What if you could

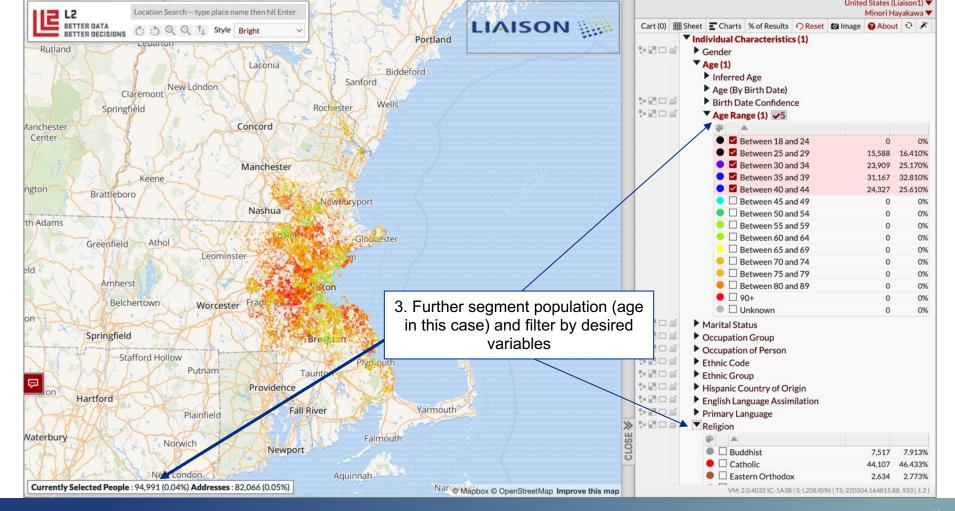




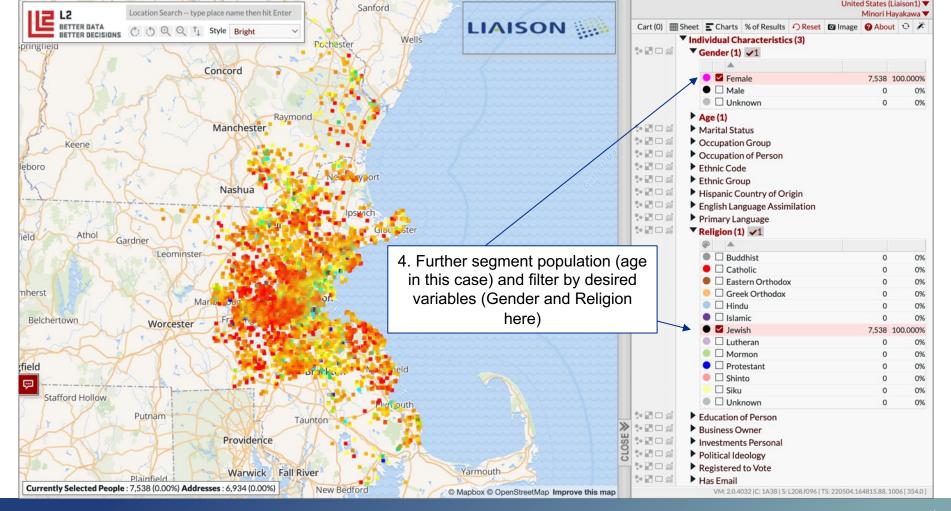












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What happens next?

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- School selects names
- They receive:
 - Email addresses (20% 50% fill)
 - Mailing address for direct mail/loading into social media platform
 - Can work with L2 for social media campaigns (will be additional cost)
 - Cell phone number for text campaign (no additional cost)
- Work with EMP to develop marketing campaigns (case-by-case)







What is the outcome that you want?

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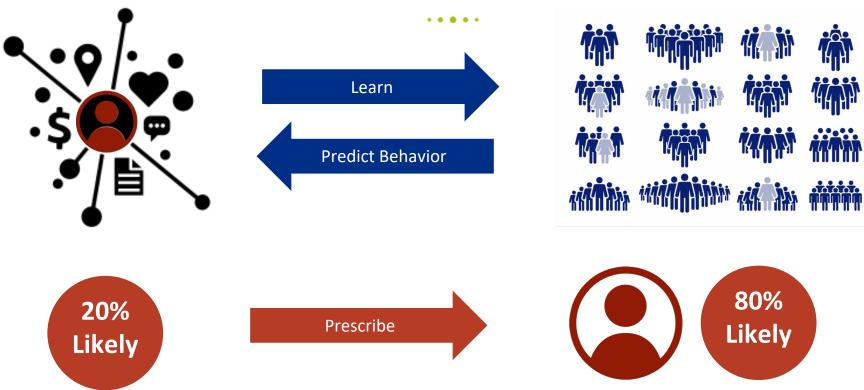
- ✓ A better shaped class that thrives at your institution
- A reduction in staff/student time, effort, and cost

What You Need:

- Improved understanding of <u>student behavior</u> (through data)
- <u>Personalization</u> (what will have the biggest impact on which students, and when?)

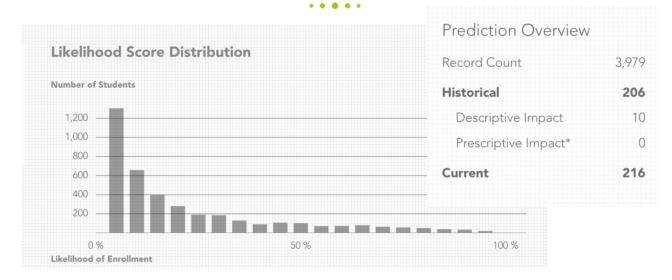


How It Works





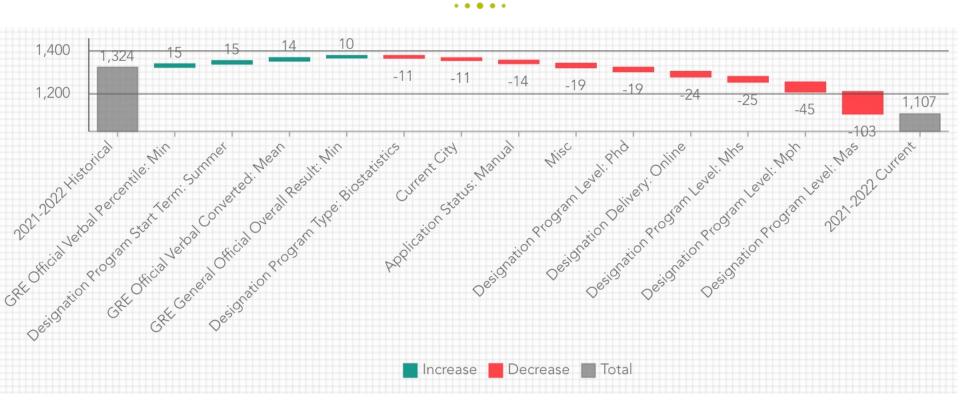
ML Is the Pathway to A Better Shape







Explainable AI Increases Trust and Usability





Identify The Individual Actions To Maximize Yield

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✓ 2021 Students ✓ ALL

Likelihood Score $ imes$	\equiv Student ID \times	\equiv Life Cycle \times	\equiv Counselor Name $ imes$	$\equiv \frac{\text{Decile}}{(\text{Numeric})} \times$	$\equiv \frac{\text{Recommendation}}{1} \times$	Recomment
36%	0034100000qrXimAAE	Inquiry	COUNSELOR 8	1	Inq: Apply Now Postcard	Campus Visit
37%	00341000029ougDAAQ	Inquiry	COUNSELOR 8	1	Inq: Apply Now Postcard	Campus Visit
41%	0034100000qcMTLAA2	Inquiry	COUNSELOR 8	1	Inq: Apply Now Postcard	Campus Visit
72%	0034100000qclsuAAE	Inquiry	COUNSELOR 2	1	Inq: Financial Brochure	
39%	0034100000qclrlAAU	Inquiry	COUNSELOR 8	1	Inq: Apply Now Postcard	Campus Visit
62%	0034100000qcKURAA2	Inquiry	COUNSELOR 8	1	Inq: Apply Now Postcard	Ing: Financial B
75%	0031L00002uDqHgQAK	Inquiry	COUNSELOR 1	1	Inq: Visit Postcard	
34%	0034100001mgnWYAAY	Inquiry	COUNSELOR 10	1	Inq: Apply Now Postcard	Campus Visit
47%	00341000024rJ9mAAE	Inquiry	COUNSELOR 1	1	Inq: Apply Now Postcard	Campus Visit
64%	0034100000qcloWAAU	Inquiry	COUNSELOR 8	1	Ing: Apply Now Postcard	Inq: Financial B
62%	0034100001lq1c9AAA	Inquiry	COUNSELOR 8	1	Inq: Visit Postcard	
35%	0031L00002asEUMQA2	Inquiry	COUNSELOR 8	1	Ing: Apply Now Postcard	Campus Visit

Othot Identifies the Most Impactful action for each individual student. This can drive personalized campaigns throughout the enrollment cycle.



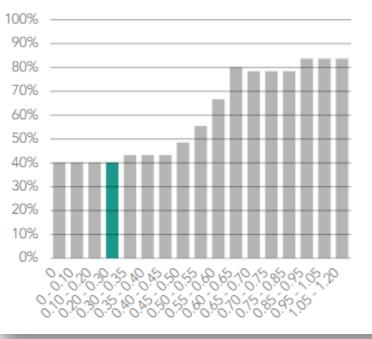
ML Is The Pathway to Leverage

. . . .

% Tuition Met By All Aid Sensitivity

Unique Id	0	0 - 2,000	2,000 - 5,000	5,000 -
4186791	2 %	4 %	4 %	4 %
4186816	0.%	8 %	8%	8 %
4186820	0 %	3 %	3 %	3 %
41868261	44 %	42 %	42 %	51 5
4186861	0 %	3 %	3 %	39
4196071	0 %	8 %	8%	89
41871401	7 %	23 %	31 %	39
4187237	4 %	11 %	11 %	11 '
41872371	28 %	34 %	34 %	34 9
4187264	2 %	12 %	12 %	12

Additional \$ Amour





Using the platform, Pitt Law:

- ✓ Analyzed data by diversity
- ✓ Targeted more competitive candidates
- ✓ Expanded its prospect base
- ✓ Focused on increasing LSAT scores

Results:

- ✓ Increase diversity by 7%
- ✓ Improve ave LSAT scores to goal of **160**
- Best admissions year yet in terms of scores, GPA, and gender-based demographics





Challenges:

 \checkmark

Optimize marketing spend



Find efficiencies in CRM

Solutions:

- Used Othot platform predictions to understand factors
 that drive enrollment
- Optimized marketing and recruiting efforts to identify students most likely to enroll and increase recruiting event attendance more than 30%
- Utilized CRM for tracking student lifecycle and automating communications, triggers, etc.

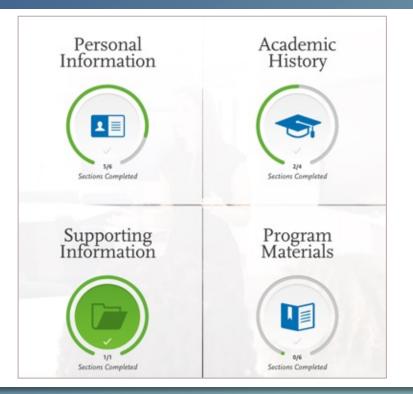
Results:

- Exceeded goal by 322 students (9% growth in 3 years)
- Achieved opportunity to guide strategy for university five-year plan

Centralized Application Model

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- Meet centralized admissions requirements while providing for unique program needs, including:
 - Program-specific applicant questions
 - Supplemental document uploads





Finding the Best Fit Students

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Q & A

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GMAC Liaison Hosted Events

Baltimore, MD



- Liaison Hosted Networking Dinner | June 14 at 06:30 p.m.
- Liaison Hosted Happy Hour | June 16 at 06:30 p.m.

Contact Robert Ruiz for more information if you would like to attend



Robert Ruiz Vice President, Strategic Enrollment

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Thank You

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