



Overview

Why predictive & prescriptive analytics

Understand real-life use cases through an enrollment funnel

Discover the functionality of an easy-to-use tool











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Existing Institutional Challenges



Financial Pressures

Shifting Student Demographics Performance-Based Funding Declining Graduation Rates New Business Covid-19
Models Impact







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861 college closures occurred since 2004; 20% of which were non-profit institutions

1st year college students are projected to decline by 15% between 2025 - 2029 37 states operate under performance-based funding policies and need data to make decisions Only 45% of students earn a degree or certificate within 6-years of starting college while 31% drop out entirely

66% of finance professionals say their current business models are not sustainable for the next 5 to 10 years As COVID-19 progressed, many institutions are grappling with enrollment declines and educational quality

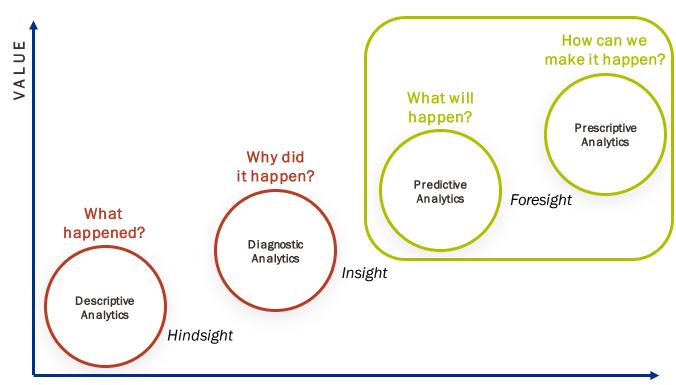
Accelerated enrollment declines have driven institutions to utilize advanced analytics to survive the market paradigm shifts

Sources: Hechinger Report, Insidehighered, Kaufman Hall, Chronicle, LinkedIn, Wiley, Forbes, nces.ed.gov



The Emergence of Al and ML as Decision Drivers





Source: Gartner Analytics Value Escalator (<u>www.gartner.com</u>)

DIFFICULTY

The Value of Predictive & Prescriptive Analytics





Proactively identify issues



Empower users with information



Gain a deeper understanding of the individual



Make decisions confidently, with strong data backing

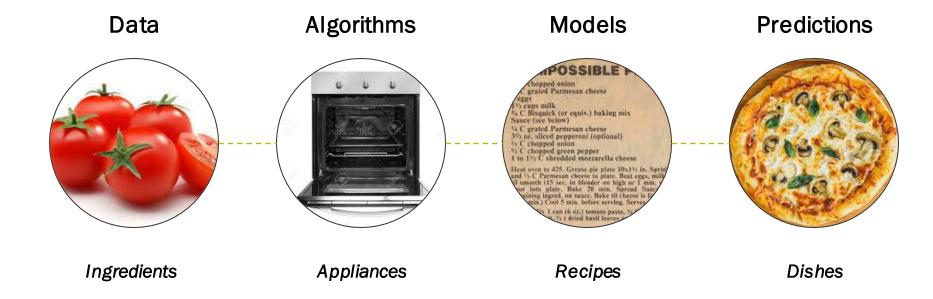


Leverage knowledge from data scientist and subject matter experts

We Need to Create the Recipe

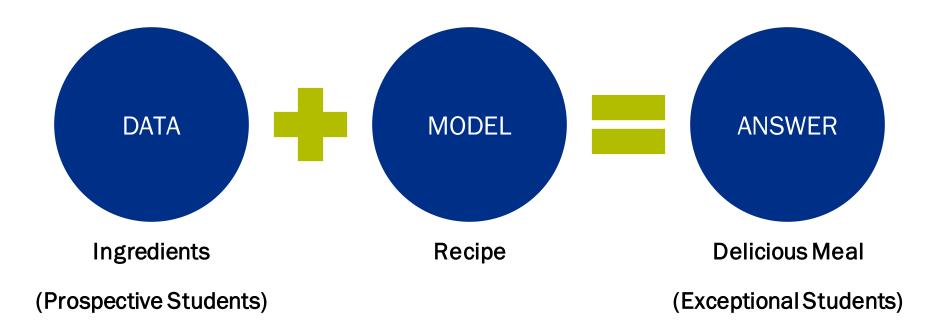
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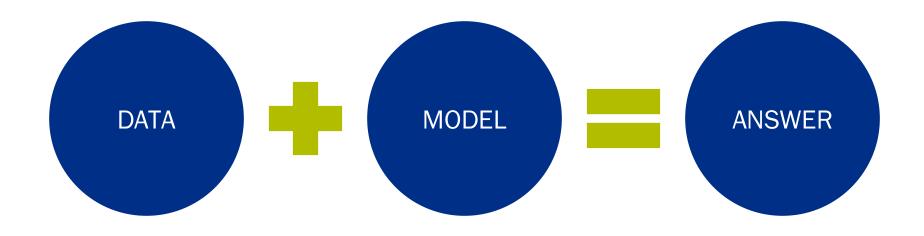
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Now We Understand

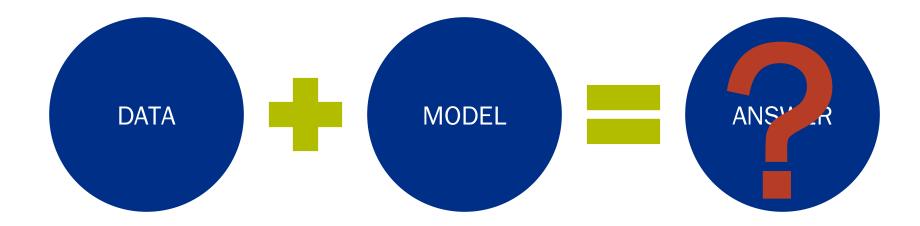


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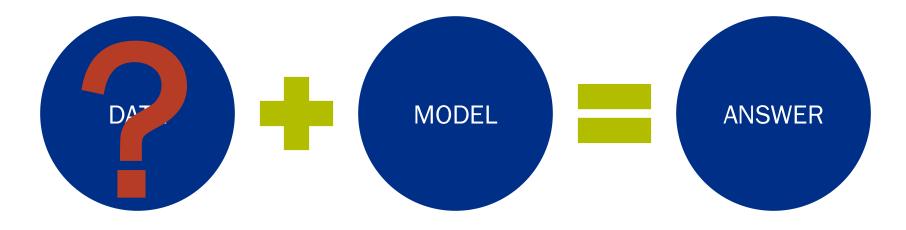
This is a Prediction





What is This?



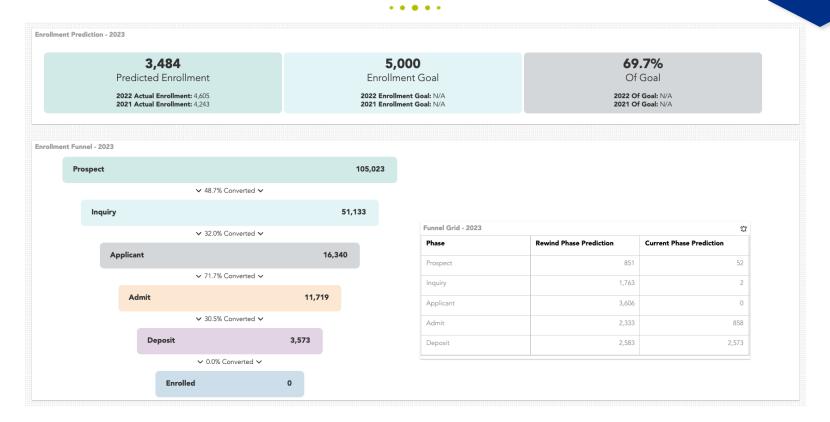


A Prescription!!!



Predictions Throughout the Enrollment Funnel





Developing a Financial Aid Matrix Strategy





Institution was evaluating a proposed financial aid matrix strategy developed in-house but wanted additional validation the predicted outcomes could be achievable given significant additional funding required.

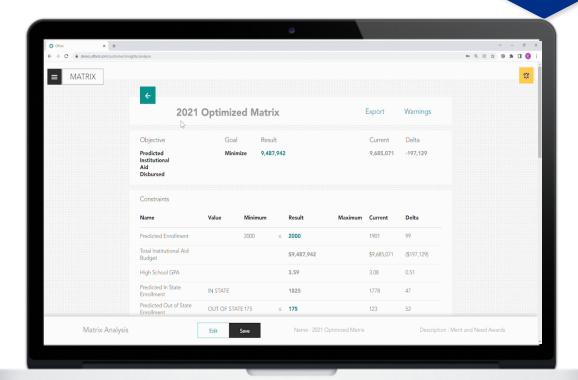


The Solution

Develop a model initially focusing on admitted population with criteria known at time of admission and awarding. Predictive and prescriptive simulations were completed on prior populations to confirm if additional yield would be feasible.



Matrix Optimization in Action



Columbia College Chicago

• 34% increase in new student enrollment

• \$1M increase NTR

• 14% increase in diversity





Columbia College Chicago

Columbia College Chicago had a financial aid strategy it believed could yield more students but was eager to validate and update the approach. Using Othot's Student Success platform, the college grew enrollment 34%, NTR by \$1M, diversity by 14%.

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Optimizing Marketing & Recruiting Activities





During the pandemic, an institution needed to be hyper-targeted on whom to invite to campus for limited-capacity events, and who to engage with viewbooks.

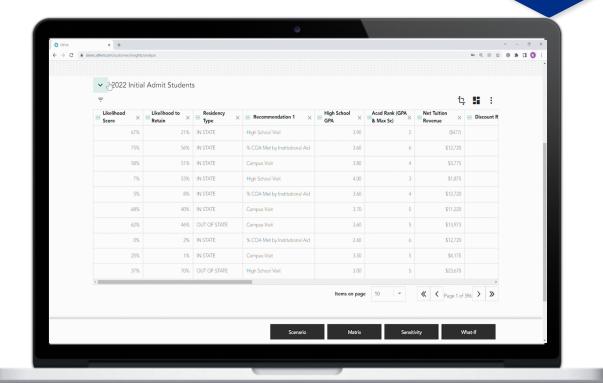


Prescriptive analyses identified individuals most likely to attend an oncampus event and generate funnel conversion. Additionally, predictive analyses helped determine geo-markets with limited benefit from prior distribution and better target emerging geo-markets.

The Solution



Prioritizing Resources in Action

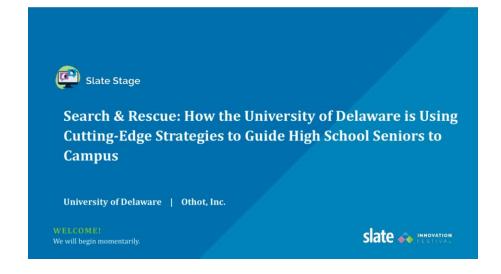


University of Delaware

• 4.8% increase in applications

• 2x growth in event attendance





Shaping the Class





Law school able to achieve enrollment quantity goal year over year, but wanted to focus on academic quality goals, specifically increasing average LSAT and average undergraduate GPA scores.

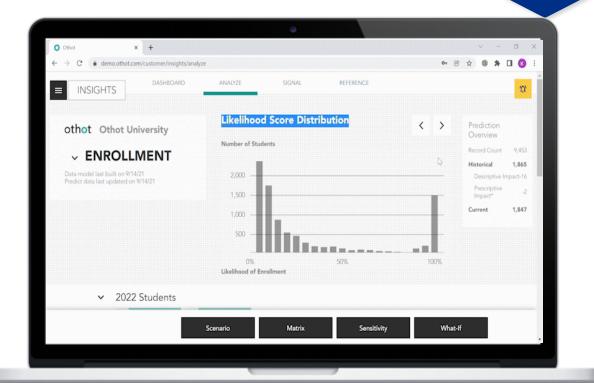


The Solution

Rather than just focusing on admission decisions, insights from the inquiry population highlighted who to engage with that met the higher academic standards. Driving those students to apply through forum attendance and other behavioral cues led to a better admission pool.



Shaping Your Class in Action



University of Pittsburgh School of Law

• 7% increase in diversity

Increased average LSAT score to 160

 Best admission year for scores, GPA, & genderbased demographics





University of Pittsburgh School of Law (Pitt Law)

With law school enrollment down nationwide, the University of Pittsburgh School of Law was seeking a solution to combat the declines. Othot's advanced analytics platform helped the institution achieve its enrollment goals.

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Targeting Impact Awards





Institution had additional financial aid specifically allocated for impact awards during yield season. Also, wanted to direct allocation at target groups rather than overall admitted population.

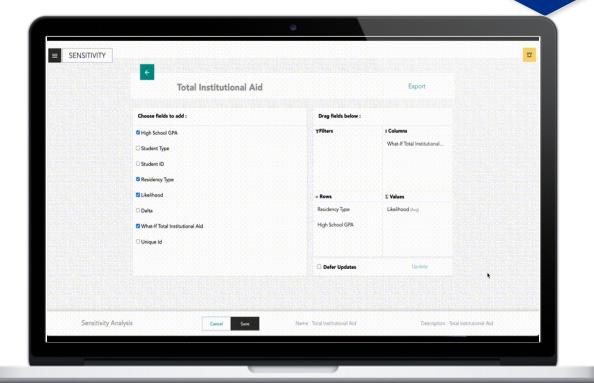


The Solution

Using sensitivity functionality for incremental aid, the institution was able to determine individuals where a \$2k - \$6k award would have the largest lift in likelihood to enroll. The institution was able to optimize the allocation within the impact award budget.



Price Elasticity in Action



Florida Institute of Technology

9.7% increase in enrollment

 2% retention rate improvement

9% increase in net tuition revenue





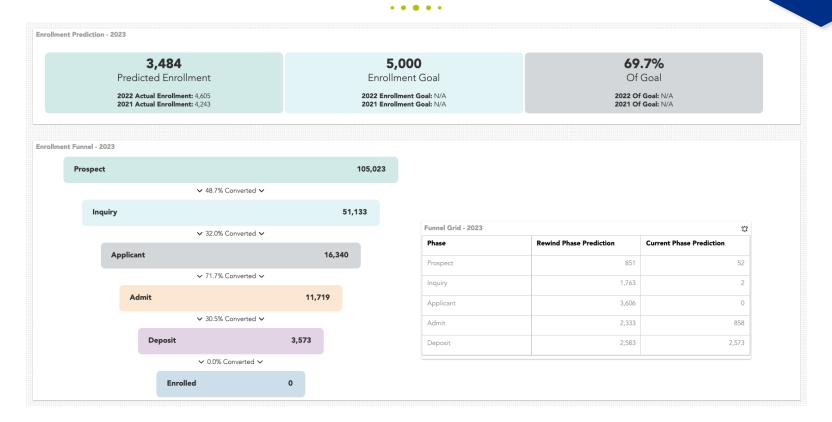
Florida Institute of Technology (Florida Tech)

Like many campuses, Florida Institute of Technology wanted to implement a more effective admissions strategy. Using Othot's analytics-driven solution, the school was successful — increasing NTR by 9% and enrollment by almost 10%.

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Additional Enrollment Funnel Opportunities









Thank You

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