



RNL Advanced Financial Aid Solutions for Undergraduate Enrollment: Leveraging Aid and Optimizing Yield

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The Need for a Complete Financial Aid Solution

Today's Higher Ed. Environment

Administrators balance several scenarios:

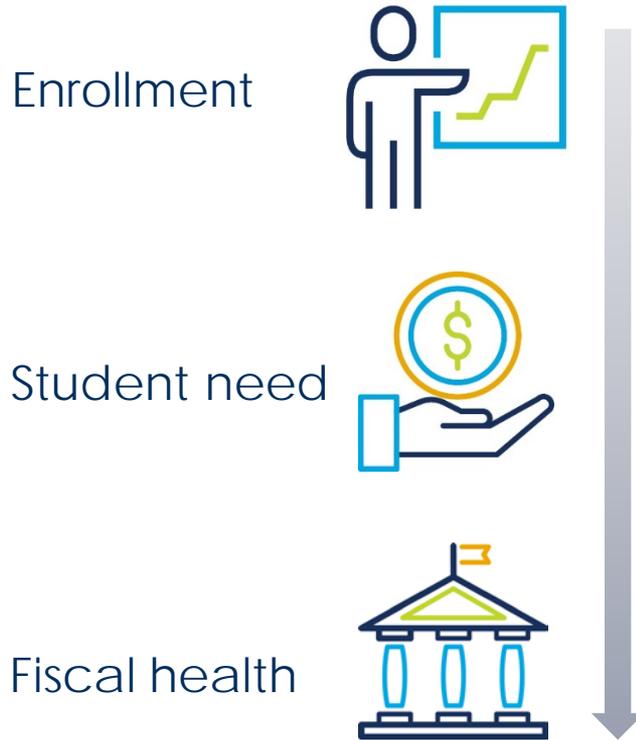
Student Financial Needs

Institutional Fiscal Health

Enrollment Goals



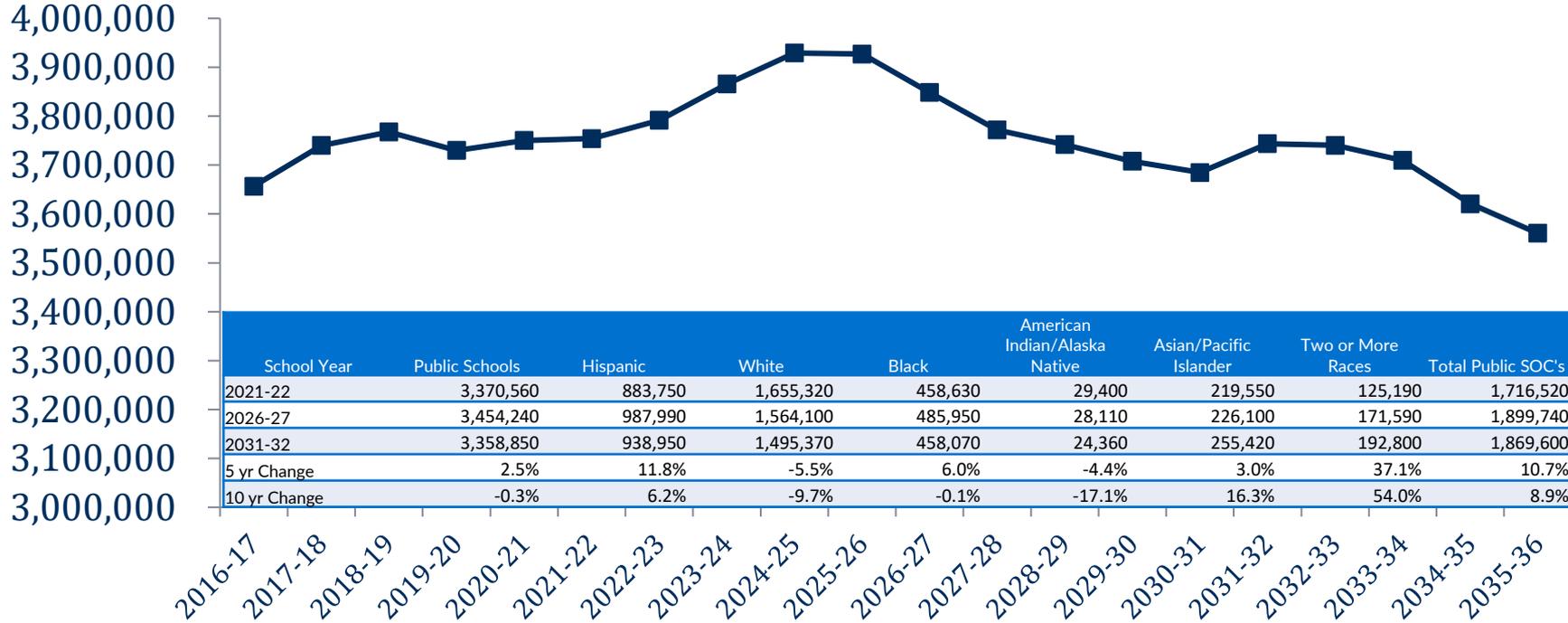
What if you could align those scenarios?



Everyone on the same page through sophisticated analysis, comprehensive, industry-leading statistical modeling, and a financial aid awarding plan responsive to a dynamic market.

Projected Change in High School Graduates

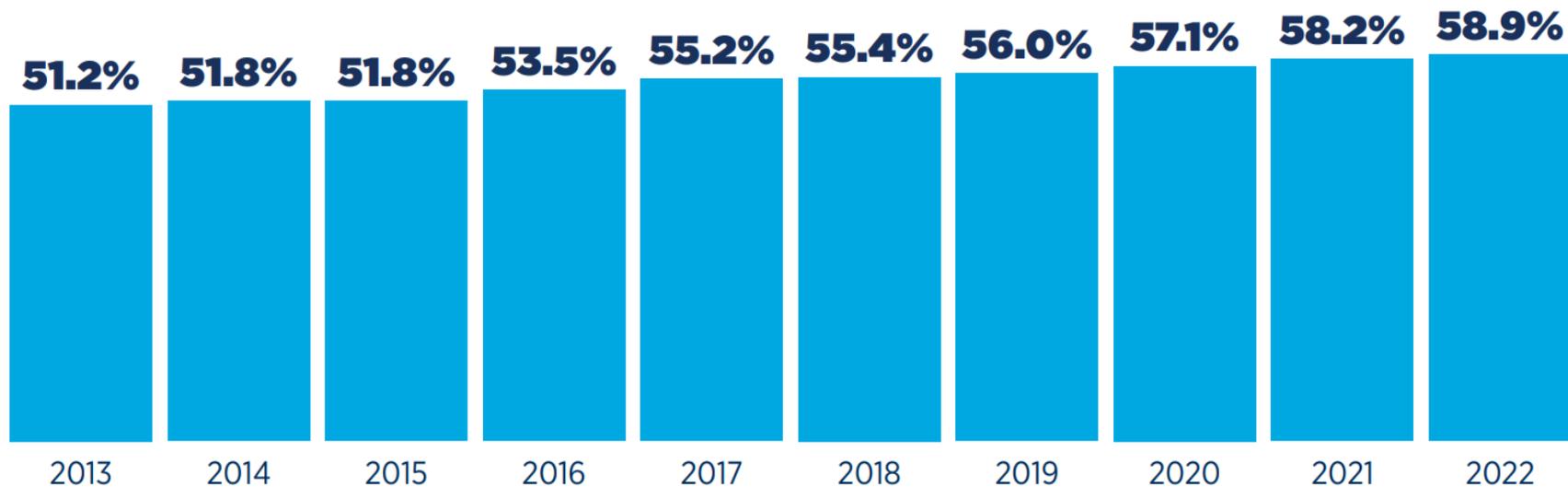
United States 2017-36



Source: Western Interstate Commission for Higher Education, *Knocking at the College Door: Projections of High School Graduates, 2020*, www.knocking.wiche.edu

Private Four-year Institutions – First-year Students

Tuition and Fee Discounting Benchmarks: 10-year Trend



+0.7 point increase

in average tuition and fee discount rate



NACUBO National Discount Rate vs. RNL Campus Partners

**NACUBO Reports
since 2019;
Over a 4%
discount rate
increase**



**RNL's Campus
Partners since 2019;
Less than 3%
discount rate
increase**

Key Outcomes of a Successful Aid Strategy



**Enroll the
students you
want to enroll**



**Understand and
manage your
discount rate**



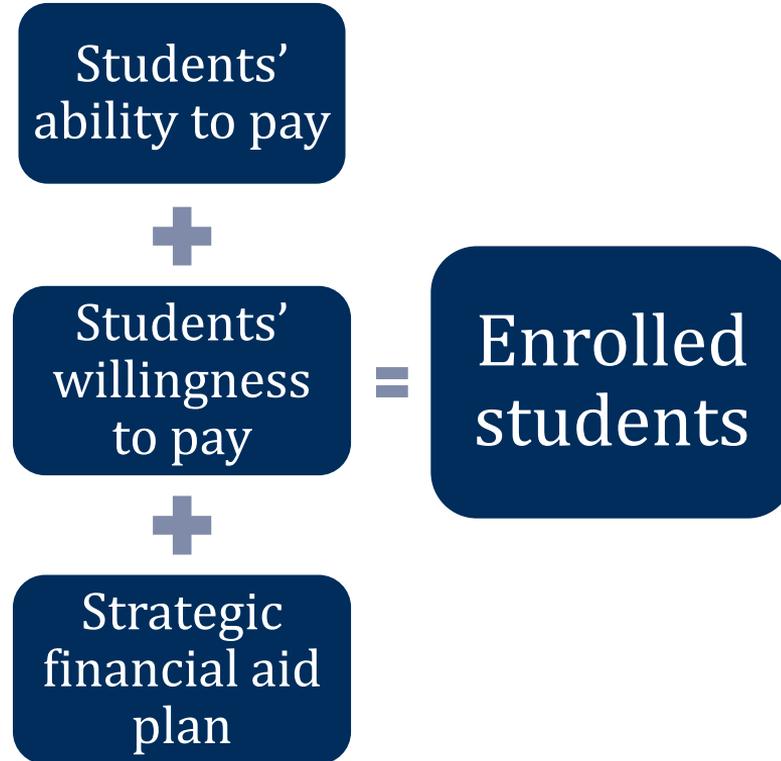
**Maximize net
revenue and
optimize yield**



Strategic Financial Aid Concepts

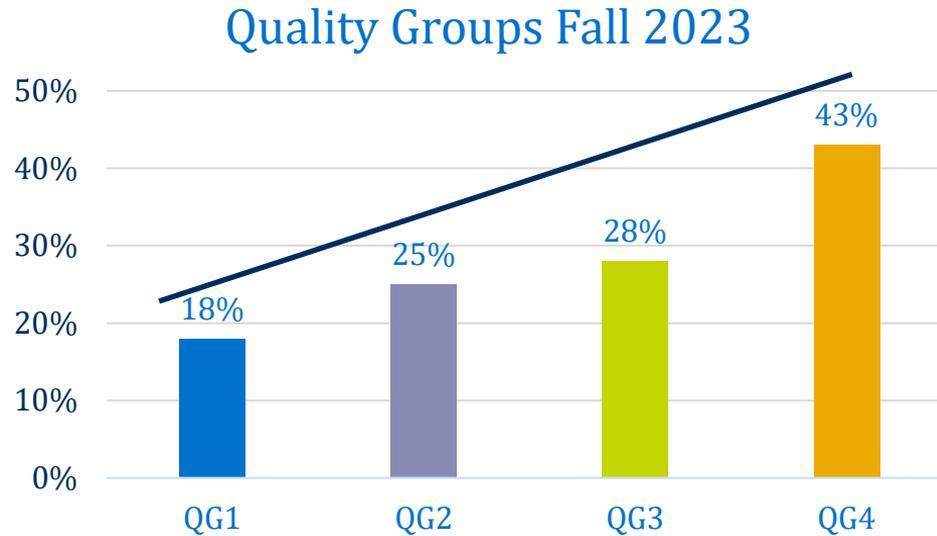
Important Considerations

Three elements must be present for a student to enroll.



Quality Groups as a Proxy for Willingness to Pay

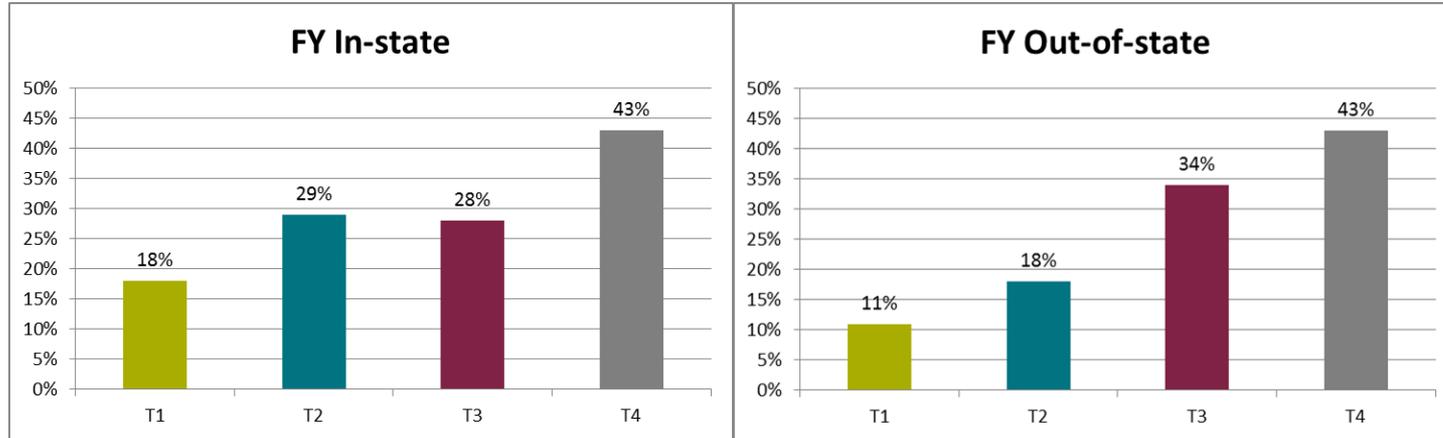
Total First-year Students



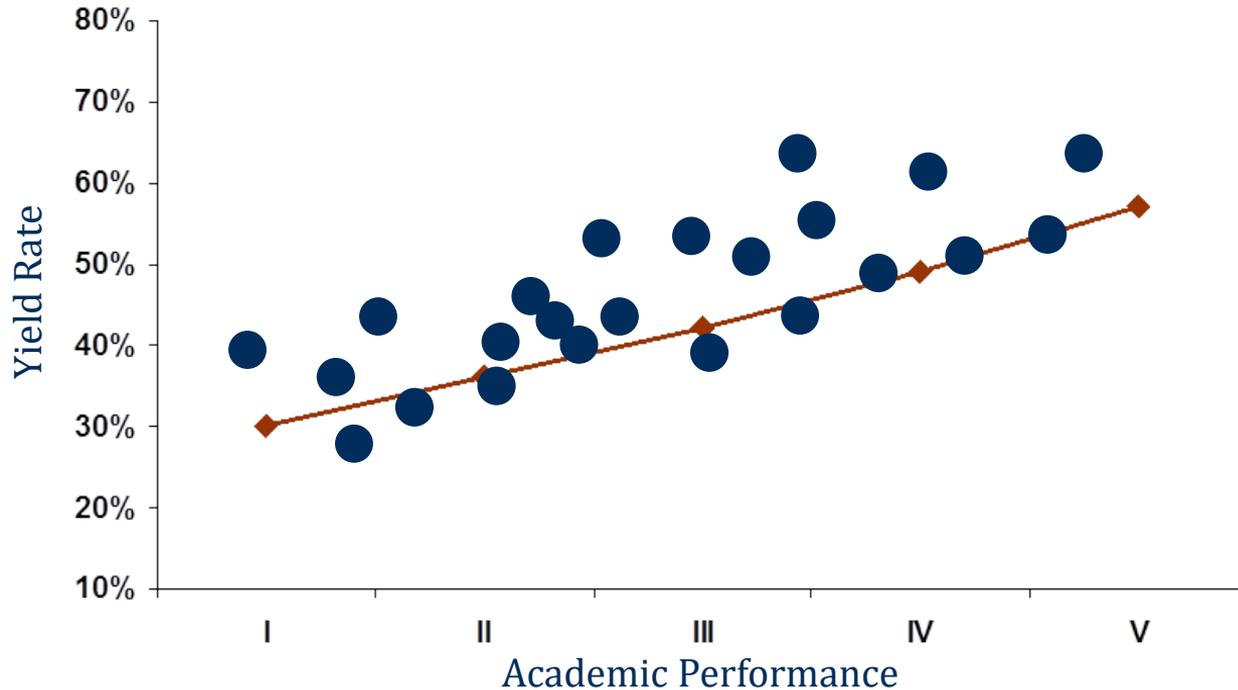
Quality Group 1 (QG1) has the highest/strongest academic credentials

Academic Tiers as a Proxy for Willingness to Pay

First-year In-state and Out-of-state



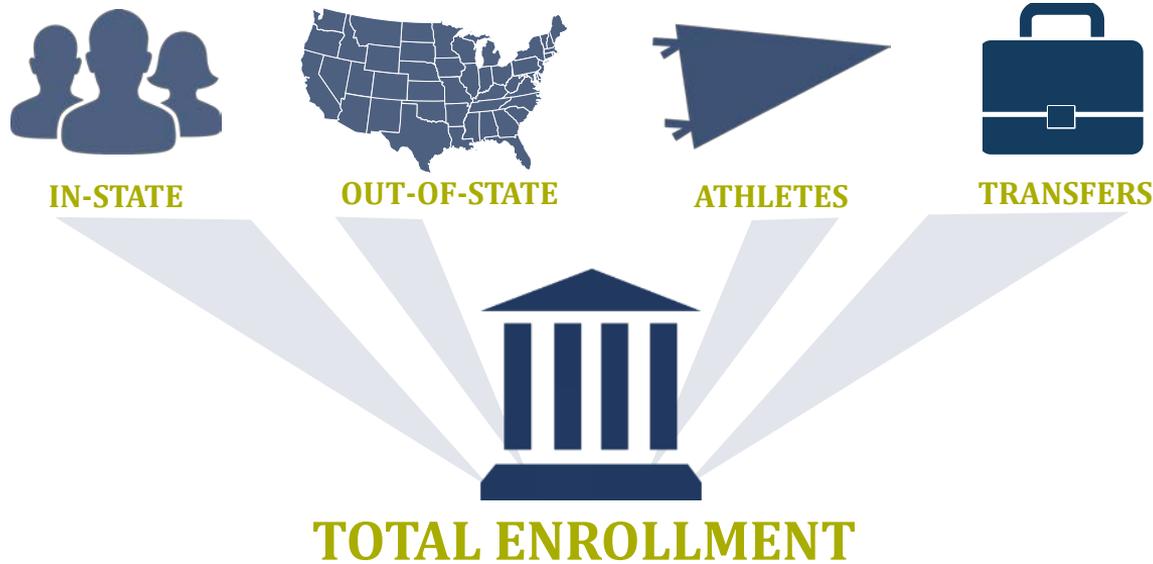
We typically test multiple measures of academic preparation/performance as well as various academic boundaries.



The Strategic Financial Aid Matrix



Subpopulations are identified based on statistical analysis and your enrollment goals.



Key Metrics



Yield

(and retention) rates by cell



Percentage of need met

and need met with gift aid for need-based students



Yield by institutional gift

offer for low-need and merit-aid-only students

Measuring price sensitivity of selected need-based students by *percentage of need met*.

Yield rates in selected cells of a client subpopulation.

| <u>Need Met</u> | <u>Enrollment Rate</u> | <u>Number of Cases</u> |
|------------------|------------------------|------------------------|
| <75.6% | 25.9% | 54 Cases |
| 75.6%-87.0% | 48.2% | 83 Cases |
| <u>>87.0%</u> | <u>49.2%</u> | <u>65 Cases</u> |
| TOTAL | 42.6% | 202 Cases |

Measuring price sensitivity of selected need-based students by examining the *percentage of need met with gift aid*.

Yield rates in selected cells of a client subpopulation.

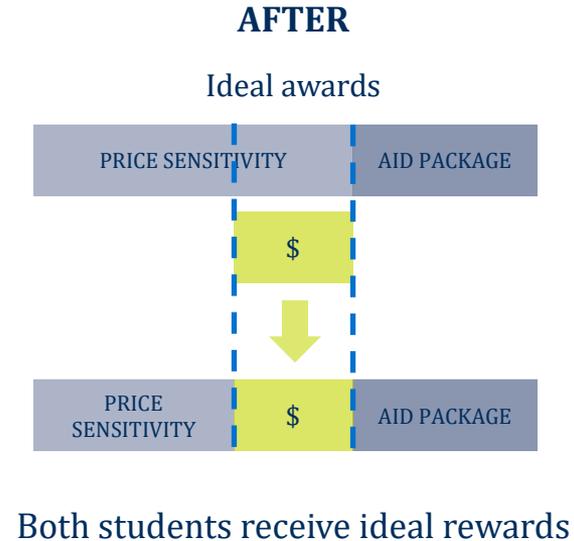
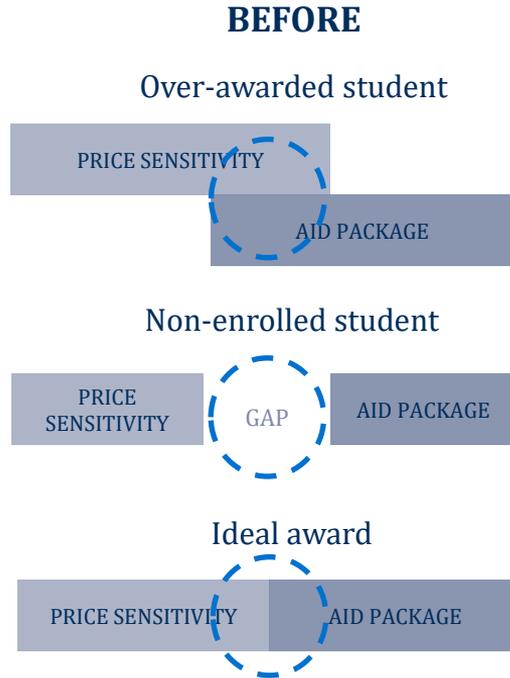
| <u>Need Met w/ Gift Aid</u> | <u>Enrollment Rate</u> | <u>Number Of Cases</u> |
|---------------------------------|------------------------|------------------------|
| <53.16% | 24.4% | 78 Cases |
| 53.16%-61.7% | 47.9% | 73 Cases |
| <u>>61.7%</u> | <u>62.7%</u> | <u>51 Cases</u> |
| TOTAL | 42.6% | 202 Cases |

Measuring price sensitivity of selected merit-aid-only students by examining the *gift aid offer*.

Yield rates in low-need and merit-aid-only segments (ability level 3) of a client's first-year population.

| <u>Merit Offer</u> | <u>Enrollment Rate</u> | <u>Number Of Cases</u> |
|--------------------|------------------------|------------------------|
| <\$3,000 | 6% | 30 Cases |
| \$3,000-\$4,999 | 42% | 53 Cases |
| \$5,000-\$6,999 | 60% | 30 Cases |
| <u>>\$6,999</u> | <u>75%</u> | <u>12 Cases</u> |
| Total | 39.2% | 125 Cases |

What is the concept behind an effective financial aid strategy?



Leveraging Analysis

First-year Students

| | HsGpa: 3.5 - 3.89 | |
|-------------------------------------|-------------------|------------|
| | Enrolled | Non-enroll |
| FC: \$0 | Cell 2 | |
| Number admitted | | 87 |
| Number enrolled/not enrolled | 9 | 78 |
| Yield / Yield change from 2021 | 10.3% | 2.5% |
| Number offered aid | 9 | 78 |
| Average need | \$38,600 | \$38,600 |
| % of need met | 76.1% | 73.9% |
| % of need met with gift | 66.0% | 59.2% |
| Average award for those offered aid | \$29,363 | \$28,518 |
| Institutional gift | \$13,617 | \$9,329 |
| Total gift (excl. outside aid) | \$25,474 | \$22,858 |
| Total work and loan | \$3,889 | \$5,660 |
| Average net tuition revenue | \$10,783 | \$15,071 |
| Tuition & fee discount rate | 55.8% | 38.2% |

Enrolling Student Awards

Non-Enrolling Student Awards





The Process

A photograph of two men in an office environment. The man on the left is older, with white hair and glasses, wearing a blue and white checkered shirt. The man on the right is younger, with dark hair, wearing a dark blue button-down shirt. They are both smiling and high-fiving each other. In the background, there is a desk with a laptop displaying a business dashboard with a world map and a bar chart, a coffee cup, and some papers. The scene is lit with warm, natural light from a window in the background.

What to Expect: Partnership Throughout the Process

RNL Advanced FinAid Solutions Partnership



A dedicated team of experts: Financial Aid Consultant, Campus Partner Liaison, Client Data Onboarding Specialist

How RNL Helps You Enroll the Students You Want to Enroll

Analysis, Modeling, and Strategy



True Cost
Calculator



Historical
Analysis



Predictive
Modeling



Strategy
Development



Retention
Analysis

RNL TrueCost Calculator™

High School Students rank NPCs as essential in their college search.



Make your calculator work for you.

ArtCenter

Welcome!

Welcome to the Net Price Calculator. Based on the information you enter, you will be presented with a sample financial aid award with the following caveats:

1. Calculations are based on the parameters for a freshman entering in Fall 2022.
2. Results are dependent upon the accuracy and completeness of the information entered and are intended to provide only a general guide to your eligibility for financial aid.
3. Any calculated award is not guaranteed by ArtCenter and is meant to be an indication of the aid you may be eligible to receive. ArtCenter's Financial

[Let's Get Started](#)

Michigan Tech

Estimating Your Financial Aid - Class of 2022

Our Net Price Calculator is designed to help you estimate your financial aid options for Michigan Technological University. Please be sure to complete the entire process to ensure the best possible results.

Please note that the results from this calculator are **estimates only** and are for those students intending to **begin at Michigan Tech in 2022**. Your actual scholarships will be confirmed once you receive your financial aid letter(s). Students beginning at Michigan Tech prior to 2022 can contact the Financial Aid Office for any questions they may have.

For any additional questions, please contact the Financial Aid Office at [888-688-1885](tel:888-688-1885) or finaid@mtu.edu.

[Let's Get Started](#)

IMMACULATA UNIVERSITY

Net Price Calculator For Freshmen

The Immaculata University Net Price Calculator is designed to help you estimate your financial aid options for Immaculata University. Please be sure to complete the entire process to ensure the best possible results.

If you've already filed a FAFSA, you will be able to enter your Expected Family Contribution and skip the financial questions. If you haven't filed yet, you will need to enter a close estimate of your family income, asset, and tax information for 2020.

If you have any questions, please contact the Office of Financial Aid by email at finaid@immaculata.edu or call [610.647.4400](tel:610-647-4400) ext. 3028.

[Let's Get Started](#)

Step 1: Historical Research and Competitor Benchmarking

Analysis

Will show student price sensitivity and identify areas of opportunity.

Enrollment

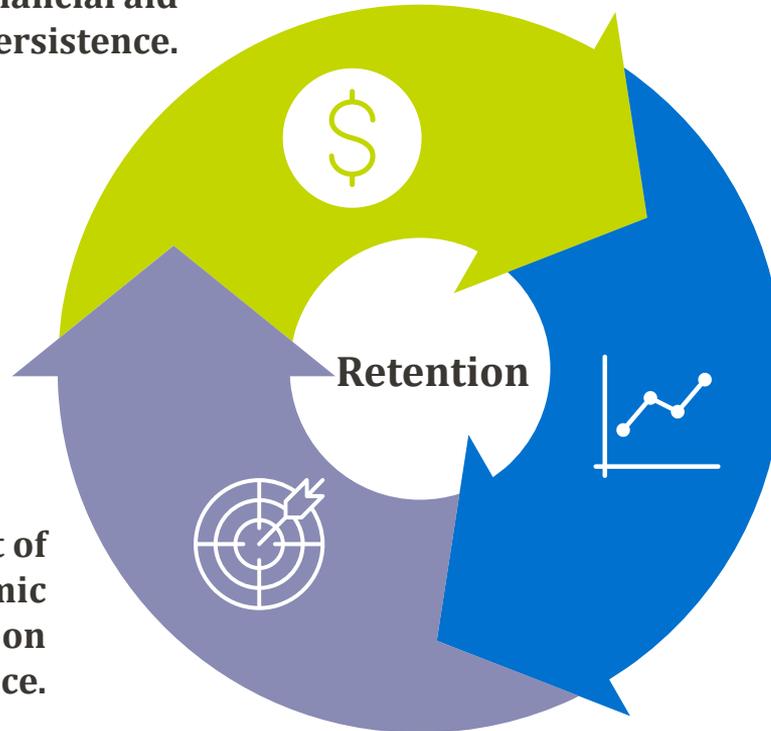
Understand students' enrollment behavior as it relates to their need, academic credentials, population segment, and financial aid offers.

Historical Visit

Historical findings will be presented during an on-campus consultation to inform strategy development.

Step 2: Retention Analysis

Impact of financial aid policies on persistence.



Is there a threshold of aid below which retention is unlikely?

Isolates the impact of financing and academic preparation on persistence.

Retention Analysis Benefits

Informing Your Financial Aid Strategy

Measure fall-to-spring and fall-to-fall rates to the cellular levels:

- Allows you to identify and focus on specific populations.
- Are there any pockets that need special attention?



Retention rates by need level and academic rating:

- Measure the impact of awarding strategy.
- Impact of financing and academic preparation on persistence.



Understanding impact of aid award package composition:

- Focus on retention of specific students.
- Identify threshold of aid below which retention is unlikely.



Step 3: Econometric Modeling

Modeling Price Sensitivity and Student Enrollment Behavior



Advanced Machine Learning Models



Two years of Historical Data

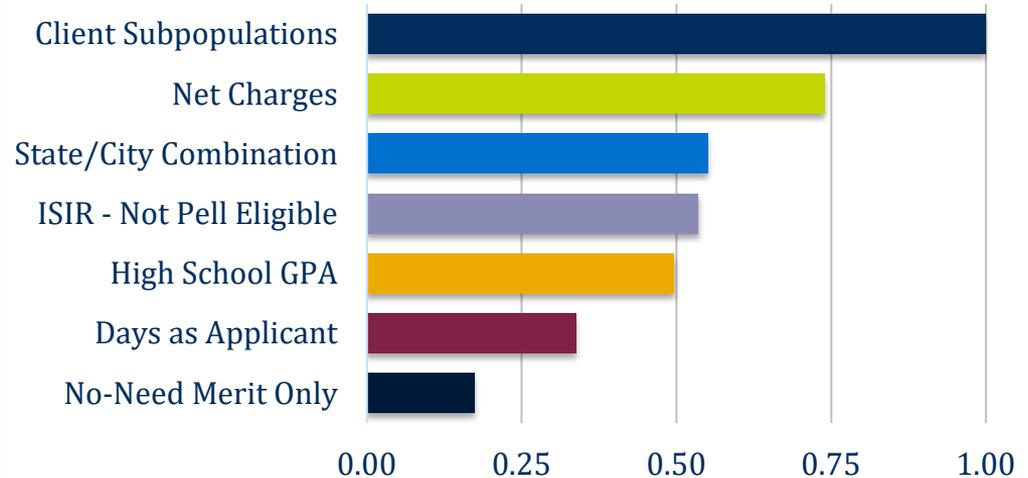


Measure the impact of aid on student's ability to enroll



Determine other factors predictive of enrollment

Relative Importance of Variables



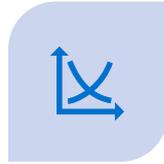
Econometric Modeling



GRADIENT
BOOSTING



SUPPORT VECTOR
MACHINE



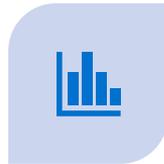
ADAPTIVE LASSO



ENSEMBLE



NEURAL
NETWORK



LOGISTIC
REGRESSION

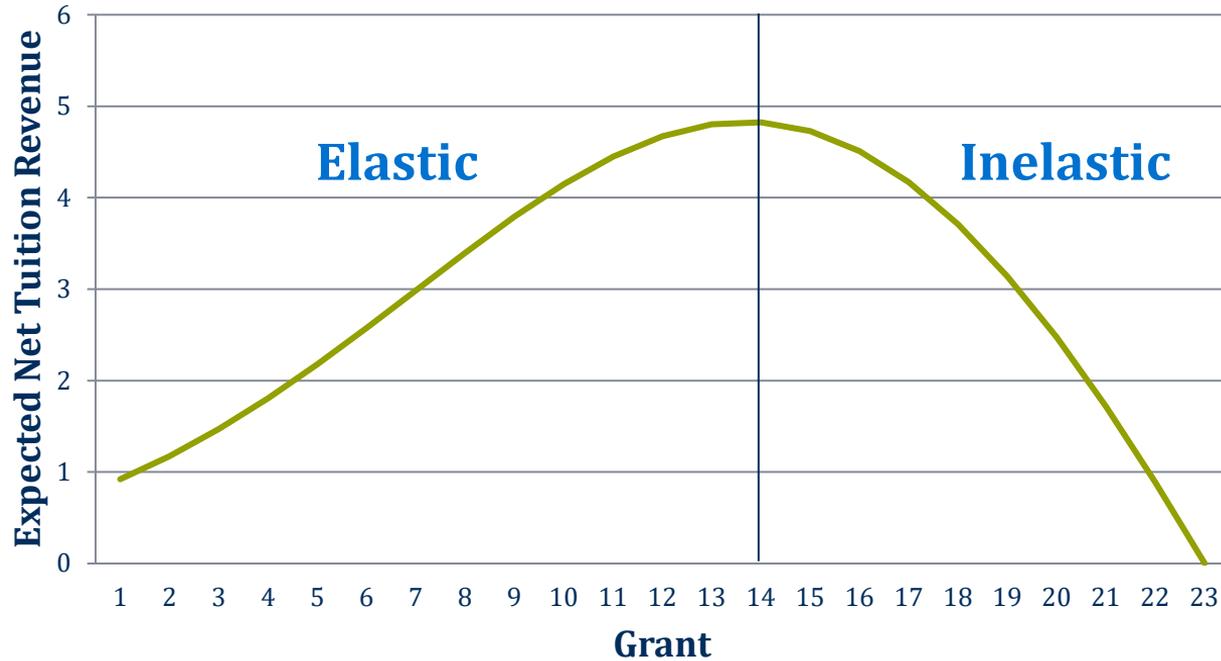
86.8% of campus partners had a champion model other than logistic regression.



The “tournament” approach allows your data scientist to identify the most predictive modeling technique for your campus based on your data.

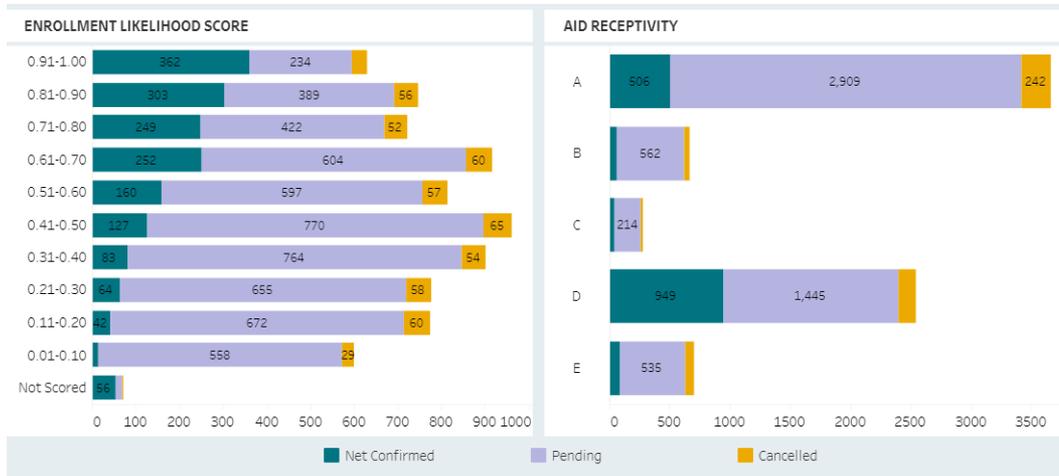
Price Elasticity

Describes Tuition Revenue-Generating Opportunities



FinAid Scoring

Analyzing Current Class Behavior on the Fly



ENROLLMENT
LIKELIHOOD
SCORE



AID
RECEPTIVITY



ELASTICITY



CHANGE EFFECT



FINANCIAL AID
AWARD

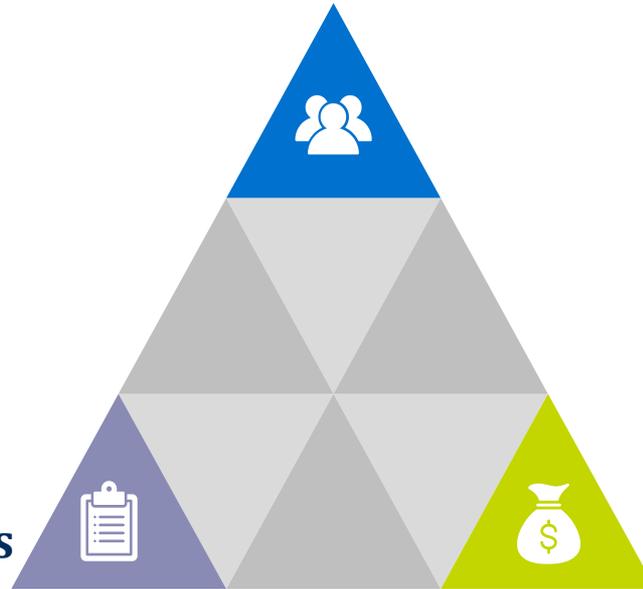


PROBABILITY

Step 4: Optimization and Simulation

Optimizing enrollment estimates based on variations of these three variables and actual results from the most recent academic year.

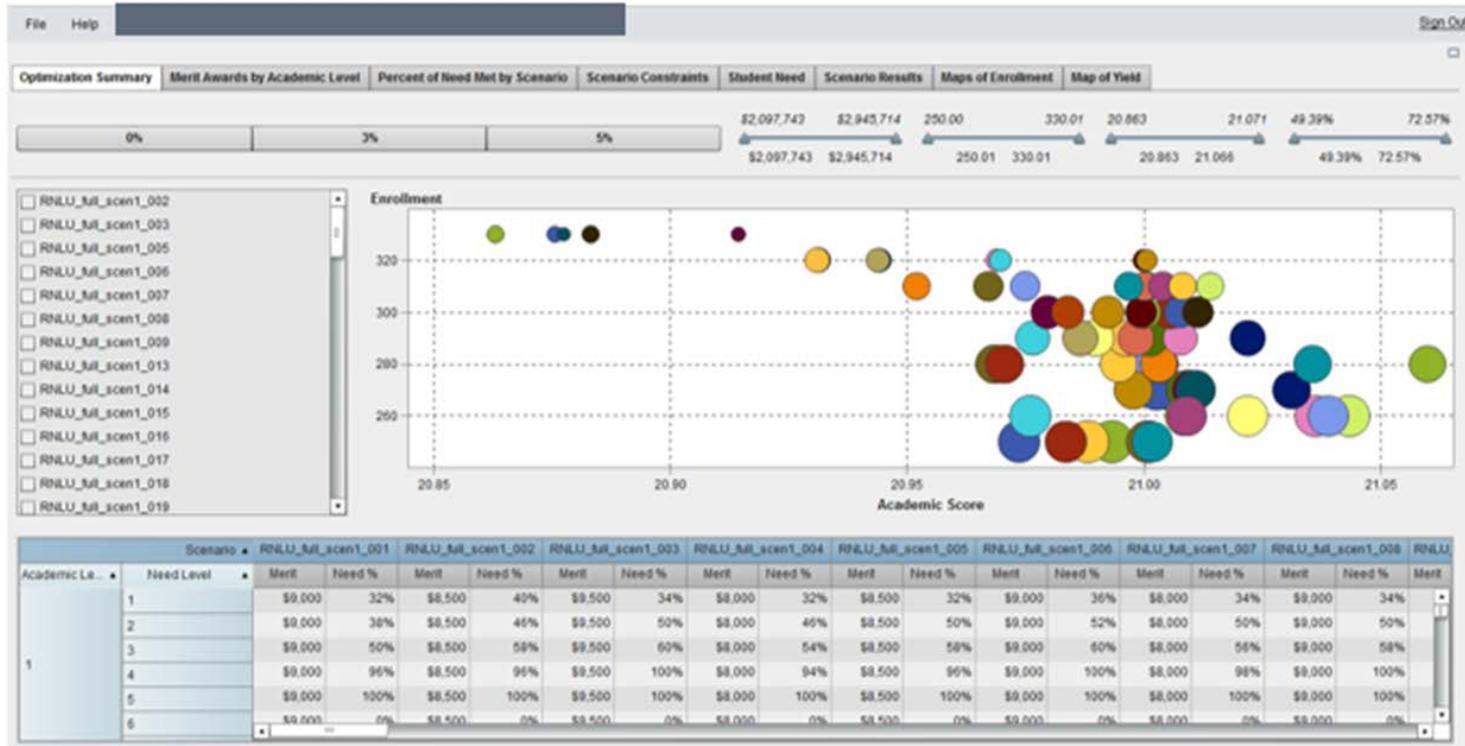
Enrollment Headcount



Quality/Credentials

Finances
(Net revenue/discount rate)

Optimization and Simulation Provides Multiple Scenarios to Maximize Revenue



Step 5: Annual Plan Development

Goals - Establish Institution-Specific Goals



POPULATIONS GOALS

- Admits and enrolled
- Discount rate

QUANTIFY THE COST

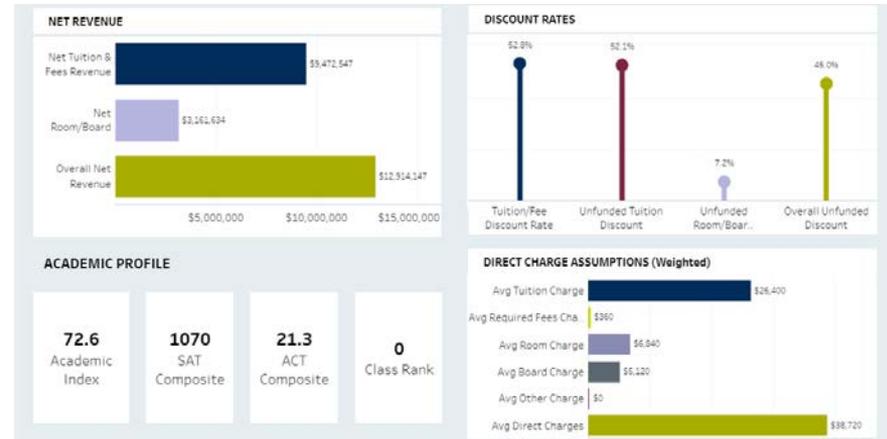
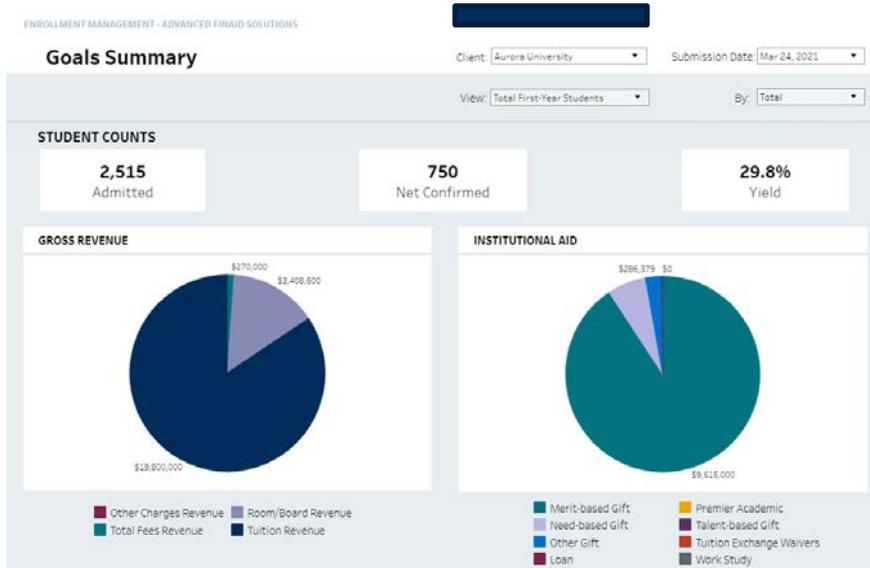
- Merit-based gift
- Need-based gift

IDENTIFY OPPORTUNITIES

- Cellular analysis
- Procedural analysis
- Model simulations

Annual Plan Development

A comprehensive aid strategy may have “buckets” of dollars that “roll-up” to provide a picture of anticipated results.



Step 6: Five-year Enrollment and Net Revenue Projection Model



Institutional Aid Planning

Targets base on enrollment, costs, aid, and net revenue.



Institutional Decision Making
Assists in planning for present and future campus housing needs, facility needs, and academic support based on potential changes.



Projected Enrollment and Revenue
Illustrates the impact of student persistence on overall revenue and net revenue.

Step 7: Tracking Reports and Ongoing Consultation

Institutional Aid Levels

Detailed evaluation



Net Revenue Goals

Discount rate tracking



Regular Tracking

Strategy development and implementation

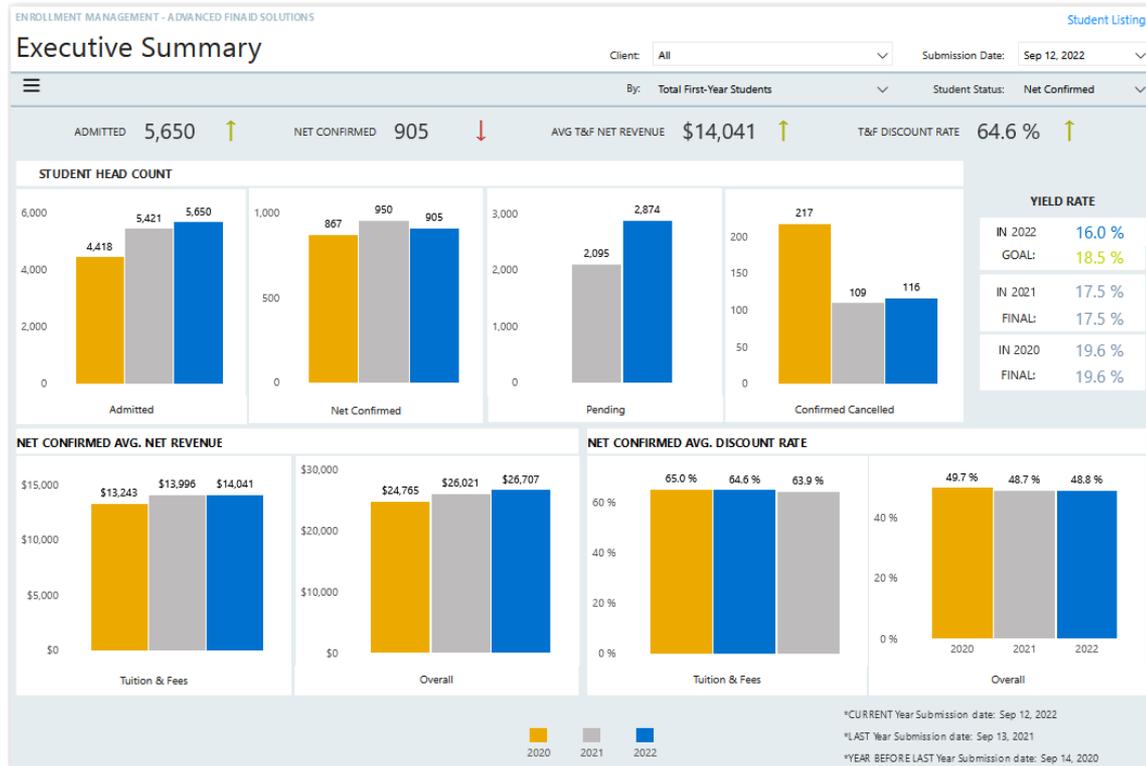


Admit and Enroll Goals

Population assessment

RNL Smart View

Dashboards and Reporting Platform



Interactive Scoring Dashboard

How can aid impact yield and net revenue?

Determine the students you want to impact yield

Simulate the amount of aid you would give pending students

See real time results if the increase would benefit your campus

| Increase Aid: <input type="text" value="1,000"/> | | Model Score Bin: <input type="text" value="(Multiple values)"/> | | Receptivity Bins: <input type="text" value="A"/> | |
|--|---------------------------------------|---|---------------------------------|--|--|
| Current Projected Enrollment | Current Projected Net Tuition Revenue | Change | New Projected Enrollment | New Projected Net Tuition Revenue | |
| 29 | \$298,605 | 4 Enr \$7,784 NTR | 33 | \$306,389 | |
| CURRENT PROJECTED INSTITUTIONAL AID | | | NEW PROJECTED INSTITUTIONAL AID | | |
| \$79,599 | | | \$122,664 | | |



RNL Differentiators

RNL: Trusted higher education partner for 50 years



50 years



3,000+
campuses



~1/2 million
applications per year



66,000 enrollments
per year



Nearly \$3 billion of
financial aid
managed per year



\$1 billion raised from
10 million+ donors

RNL Differentiators



24 Years
Average
Consultant
Experience



Team Bench
Depth



Proprietary
Modeling Tools

FAS Benefits



Consistent packaging



Complete and accurate data



Modeling/Simulations



Informed decision making and strategy development



Long-term planning



Ongoing evaluation



Impact of aid on retention



The RNL "Bench":
just a phone call away

Questions?

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