Student Retention: Insights from the Use of a Student Retention Predictor (SRP) Model
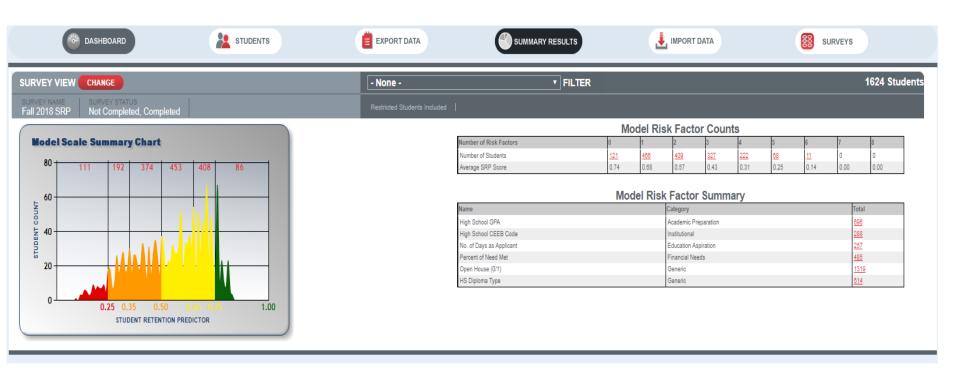
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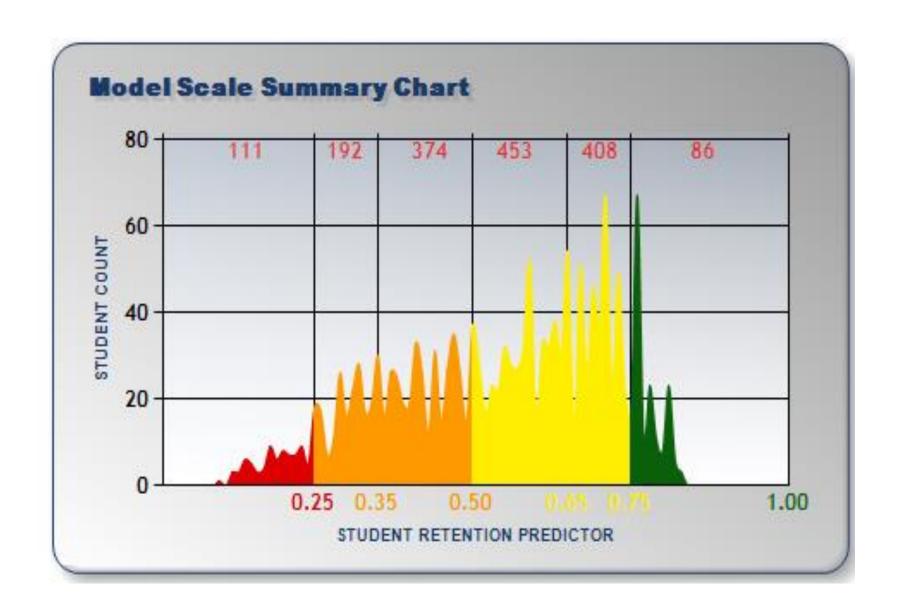
November 1, 2018

Cohort	Predicted	Actual
2015	71.6%	69.3%
2016	72.5%	73.5%
2017	71.8%	76.2%

"A model is only as good as your ability to break it." – Andrew Wright

SURVEY VIEW CHANGE

- None - ▼ FILTER   1624 Students

SURVEY NAME	SURVEY STATUS
Fall 2018 SRP	Not Completed, Completed

Restricted Students Included

Model Scale Summary Chart

| 111 | 192 | 374 | 453 | 408 | 86 |

STUDENT COUNT

0.25   0.35   0.50   0.65   0.75   1.00

STUDENT RETENTION PREDICTOR

Model Risk Factor Counts

Number of Risk Factors	0	1	2	3	4	5	6	7	8
Number of Students	121	466	409	327	222	68	11	0	0
Average SRP Score	0.74	0.68	0.57	0.43	0.31	0.25	0.14	0.00	0.00

Model Risk Factor Summary

Name	Category	Total
High School GPA	Academic Preparation	696
High School CEEB Code	Institutional	288
No. of Days as Applicant	Education Aspiration	257
Percent of Need Met	Financial Needs	485
Open House (0/1)	Generic	1319
HS Diploma Type	Generic	514

Model Scale Summary Chart — Student Count vs. Student Retention Predictor. Bin counts: 111, 192, 374, 453, 408, 86. X-axis markers: 0.25, 0.35, 0.50, 0.65, 0.75, 1.00.

SRP Factors

- High School GPA

- Number of Days as Applicant

- High School CEEB Code

- Percent of Need Met (Financial Need)

- High School Diploma Type

- Open House Attendance

2017 Cohort Goal Simulation

Model Score	Historical Retention Rate	Fall 2017 Count	Predicted Fall 2018 Retention (based on historical analysis)	Actual Fall 2018 Retention	Actual Fall 2018 Retention(%)
0.00-0.25	42.6%	177	75	83	46.9%
0.26-0.35	57.1%	194	111	111	57.1%
0.36-0.50	66.0%	365	241	228	62.4%
0.51-0.65	78.3%	386	302	301	77.9%
0.66-0.75	88.0%	294	259	243	82.6%
0.76-1.00	92.5%	251	232	231	92.0%
		1667	1220	1197	

Targeted Populations

- .26 - .65 (Orange and Yellow 1)
- .66 - .75 (Yellow 2)

Past Interventions- During Fall and Spring

- 3 week calls from Peer Advisors to check in

- Calls or emails from Peer Advisors if targeted students have deficiencies at 3 and 6 week grade reports

- Calls to students the week before Priority Registration if they have not made an appointment

- Calls to students during the second week of Priority Registration who have not had an appointment

New Interventions- During Fall and Spring

- Assign advisees by SRP

- Parallel interventions with Yellow 2 (.66 - .75)

- Introduce 4 Disciplines of Execution Approach in November and April the week after Priority Registration

Summer Interventions

- 4 Disciplines of Execution Approach
  - Wildly Important Goals(WIG)- Lag Measures
  - Lead Measures
  - Score Board
  - WIG Sessions
- Each advisor selects targeted students

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Questions?