

Financial Aid Optimization Analysis

Montana State University - Bozeman November 2020 Census Analysis

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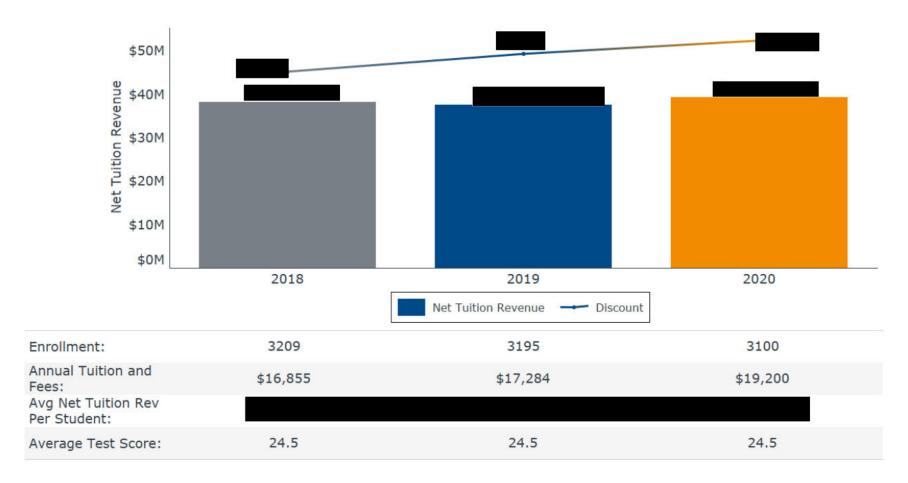
- 1 National Landscape
- 2 Full-Time Freshmen Summaries

- 3 Model Population Analysis
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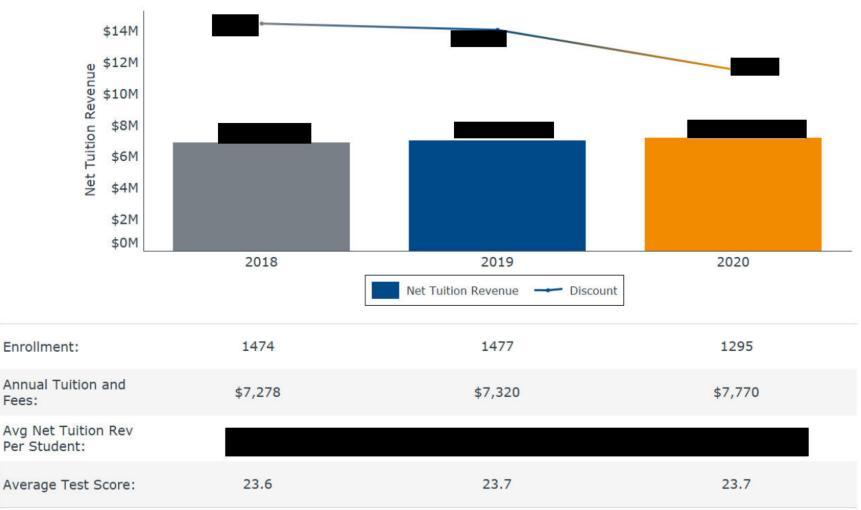






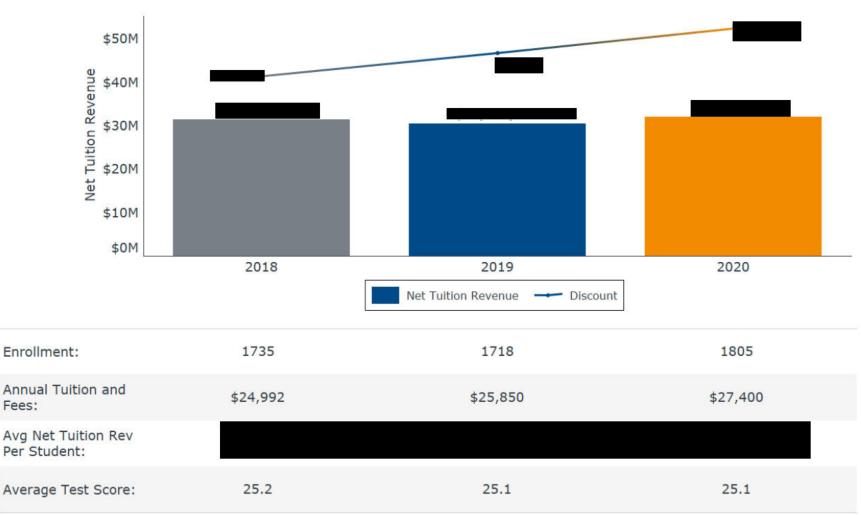






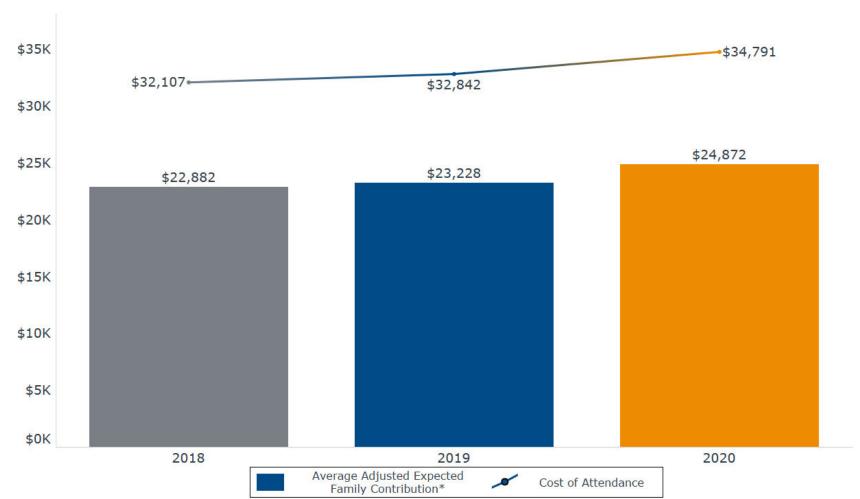






Average Expected Family Contribution

Full-Time Freshmen

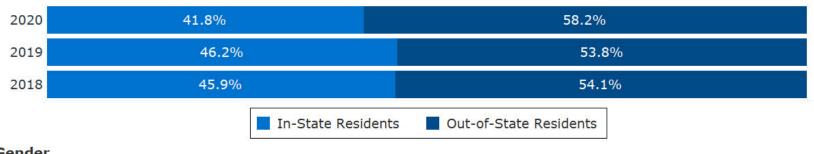


^{*}Capped at yearly budget. Full budget imputed for non-aid applicants.

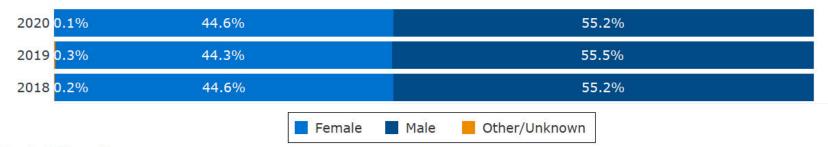
**These comparisons are for enrolled students only. Census Analysis - Data as of 9/9/2020



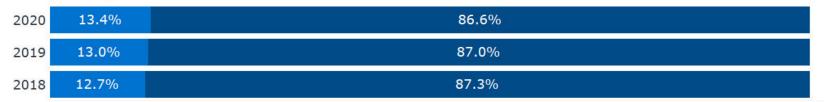
State Residency



Gender



Racial Diversity



Students of Color White, Int'l, and Unknown

*Demographic Comparisons are for Enrolled students. Census Analysis - Data as of 9/9/2020

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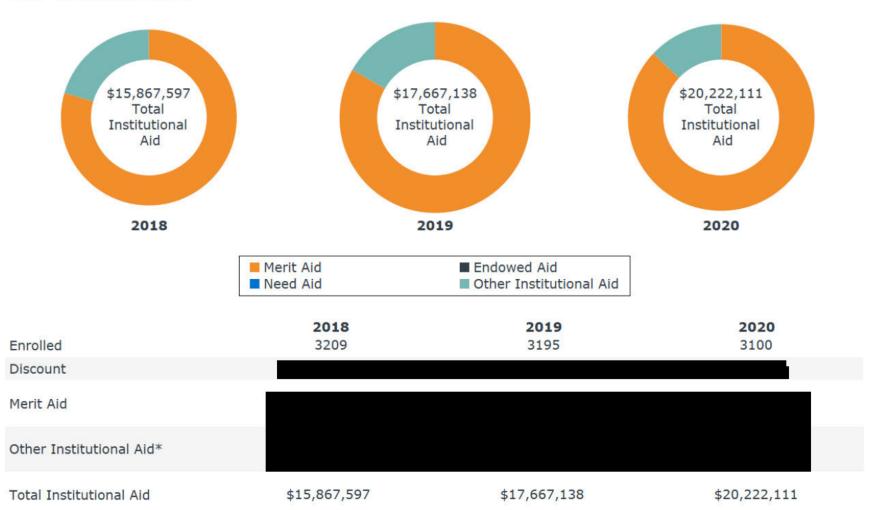
Census Analysis - Data as of 9/9/2020

(#) = Number of Students

% = Proportion of Students by Year







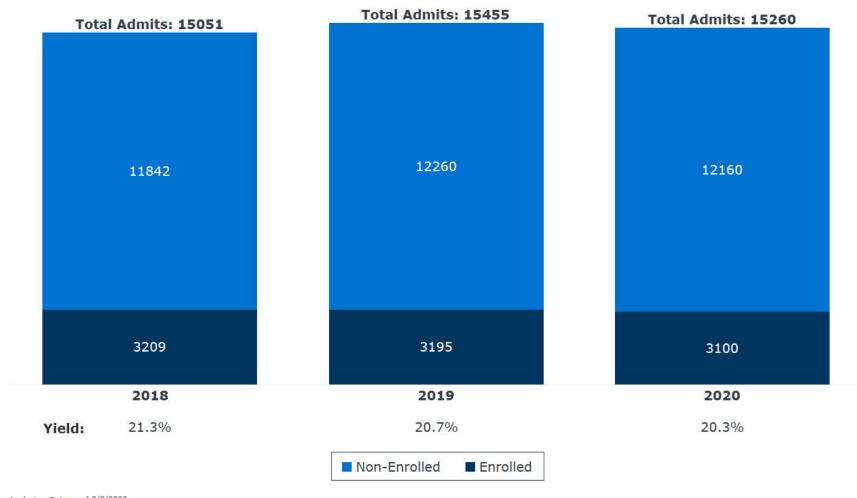
*Other institutional aid includes uncategorized institutional aid and athletic scholarships, if applicable. This total does not include waivers.

Census Analysis - Data as of 9/9/2020

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Summary of Records Chosen for Analysis, Current Year

	Admit	Enrolled	Yield	Institutional Gift Aid	Net Tuition Revenue	Discount
All New Students	15260	3100	20.3%	\$20,222,111		
Full-Time Freshman Total	15260	3100	20.3%	\$20,222,111		
Athletes	28	28	100.0%	\$439,091		
Internationals	78	5	6.4%	\$0		
Independents	162	61	37.7%	\$118,000		
No Academic Info	45	2	4.4%	\$0		
Model Population	2	2	100.0%	\$0		
All	315	98	31.1%	\$557,091		
Model Population	14945	3002	20.1%	\$19,665,020		

- 1 National Landscape
- 2 Full-Time Freshmen Summaries
- Model Population Analysis
- 4 Appendix

Parameters for Calculation of Academic Ranks



Model Population

High School GPA Points

GPA of at Least	Points	GPA Record Count	
	1	1546	
	2	1429	
	3	1616	
	4	1385	
	5	1663	
	6	1236	
	7	1559	
	8	1051	
	9	9	
	10	3451	
Tot	al Values:	14945	

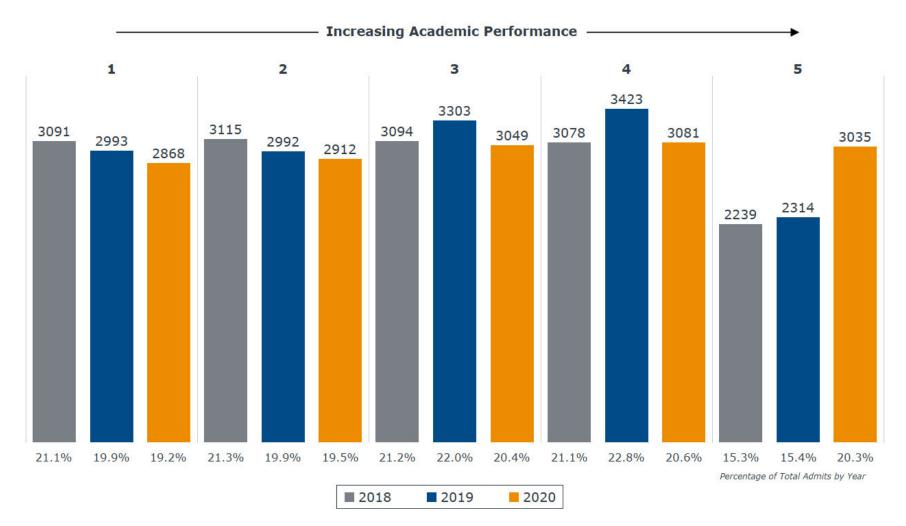
High School Test Points

Test Score of at Least	Points	Test Record Count
	1	1452
	2	1384
	3	1217
	4	2112
	5	1342
	6	2004
	7	1171
	8	1593
	9	1475
	10	1195
10	tal Values:	14945

Academic Index

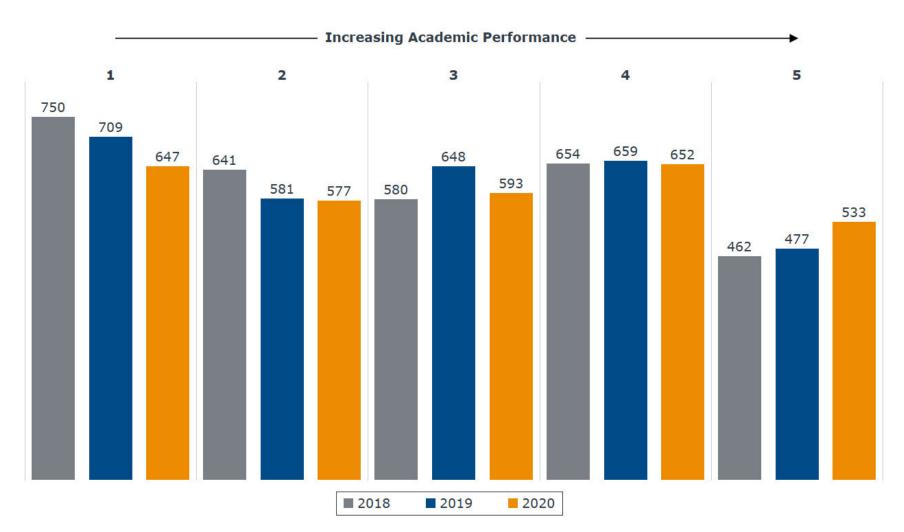
Total Points of at Least	Academic Rank	Academic Index Record Count	Average GPA	Average Test
1	1	2868		
9	2	2912		
14	3	3049		
19	4	3081		
26	5	3035		

Admits by Academic Rank



Enrolled by Academic Rank

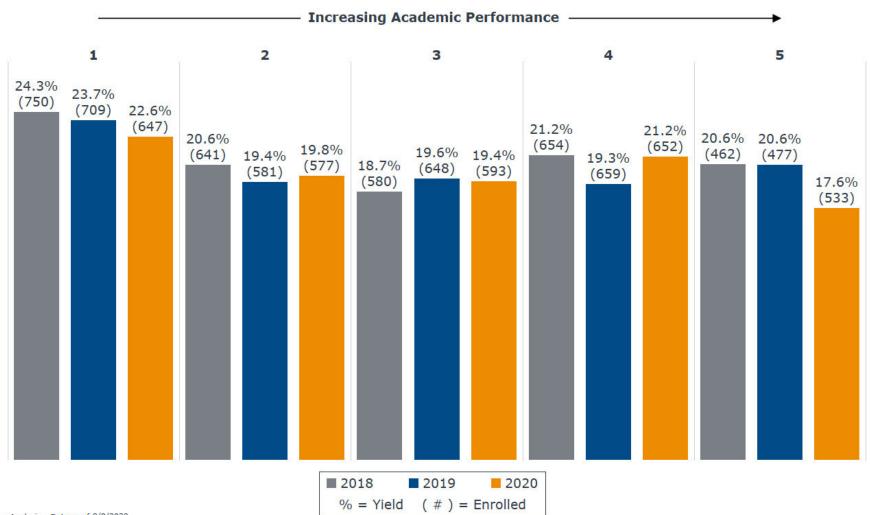
Model Population



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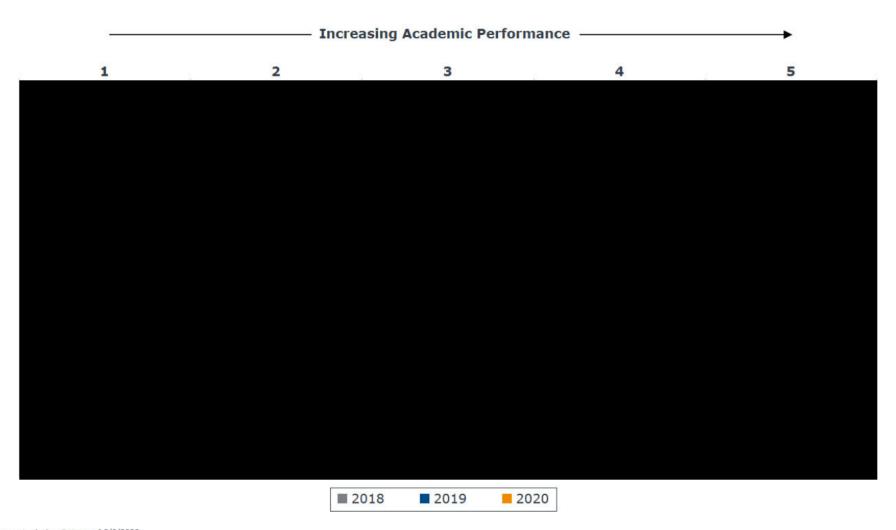
Yield by Academic Rank

Model Population



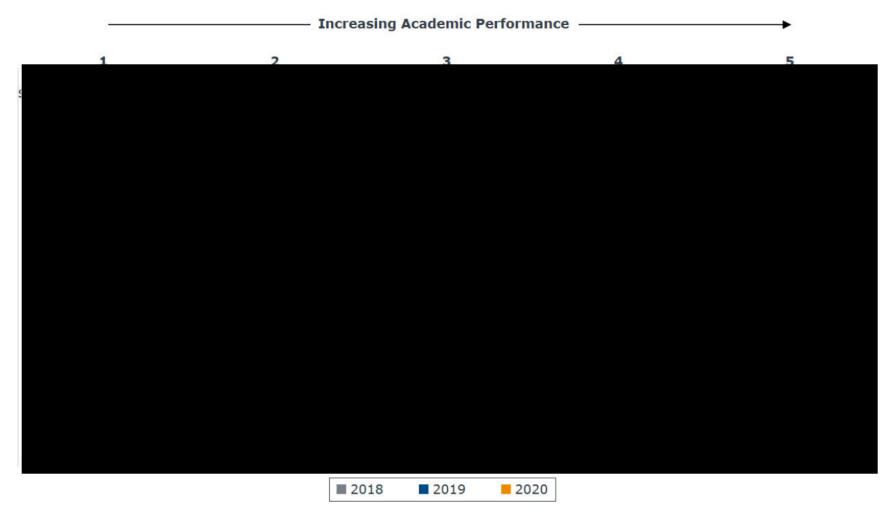
Average Net Tuition Revenue of Enrolled by Academic Rank





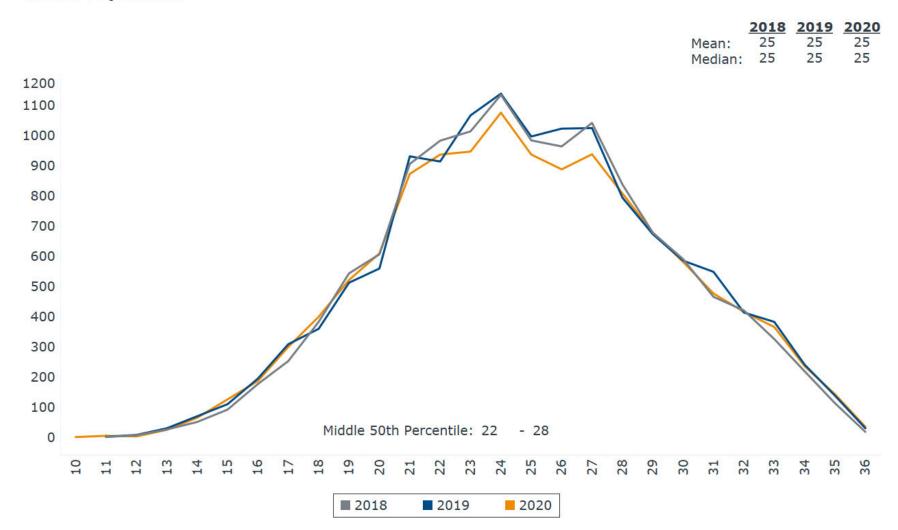
Total Net Tuition Revenue by Academic Rank











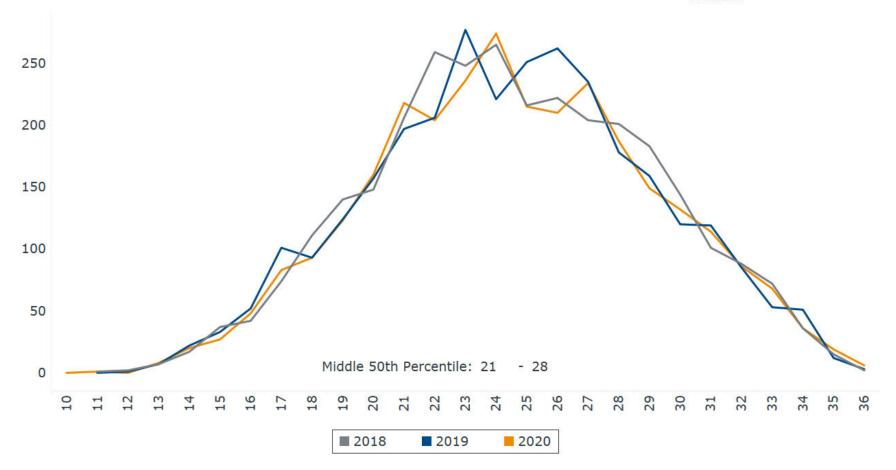




 2018
 2019
 2020

 Mean:
 25
 25
 25

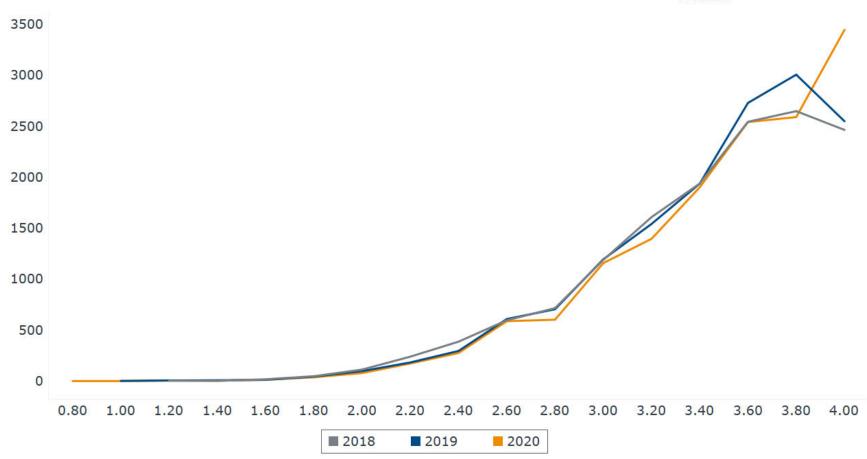
 Median:
 24
 25
 24







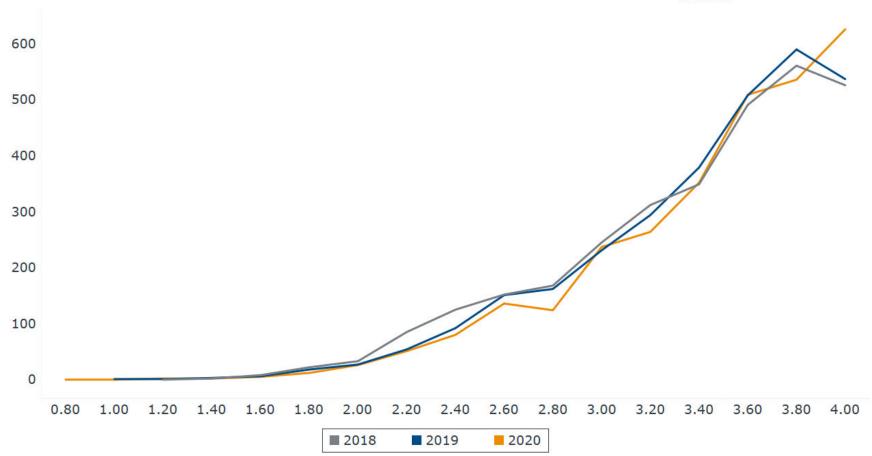






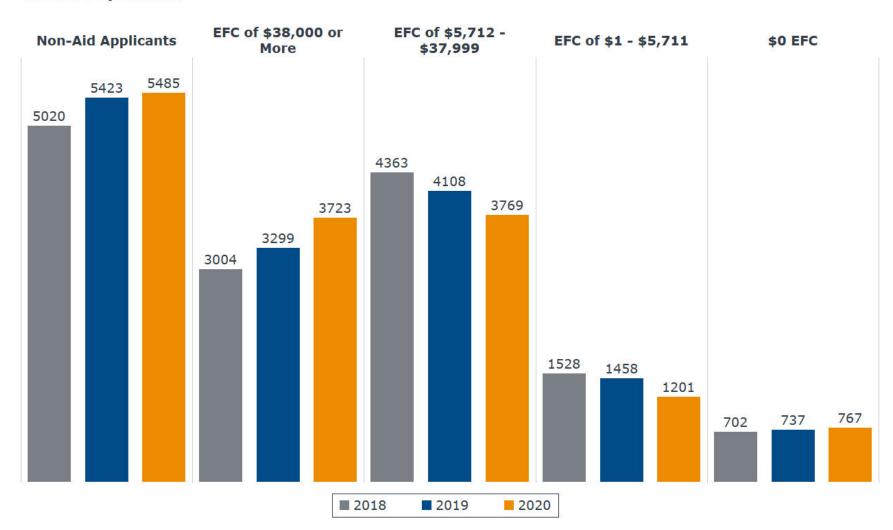






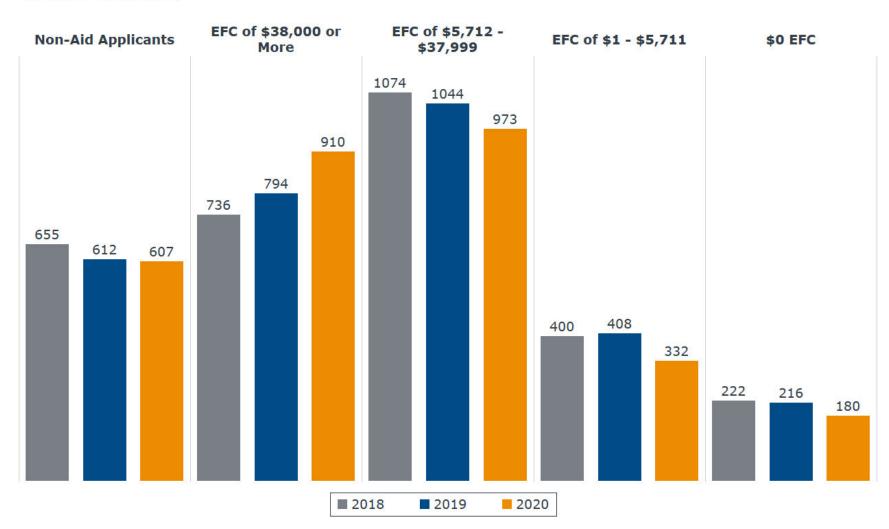
Admits by Ability to Pay

Model Population

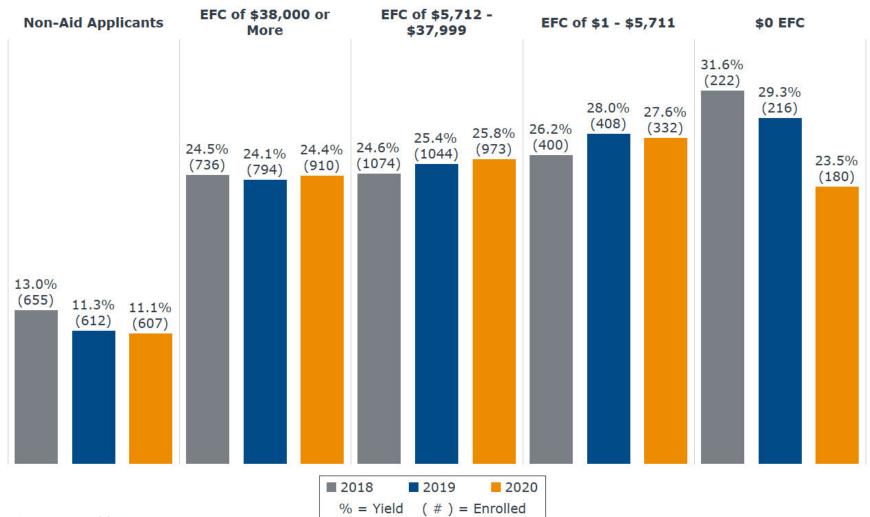


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Enrolled by Ability to Pay



Yield by Ability to Pay



Average Net Tuition Revenue of Enrolled by Ability to Pay

Model Population



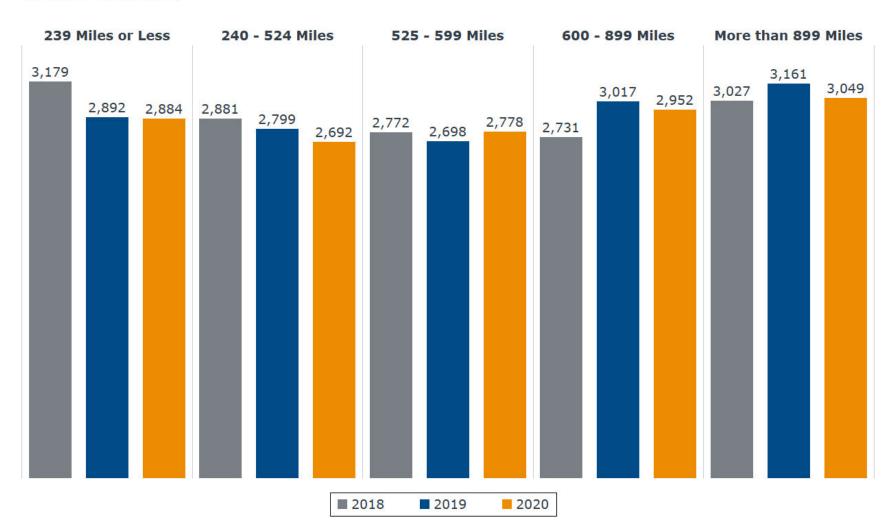
Total Net Tuition Revenue by Ability to Pay





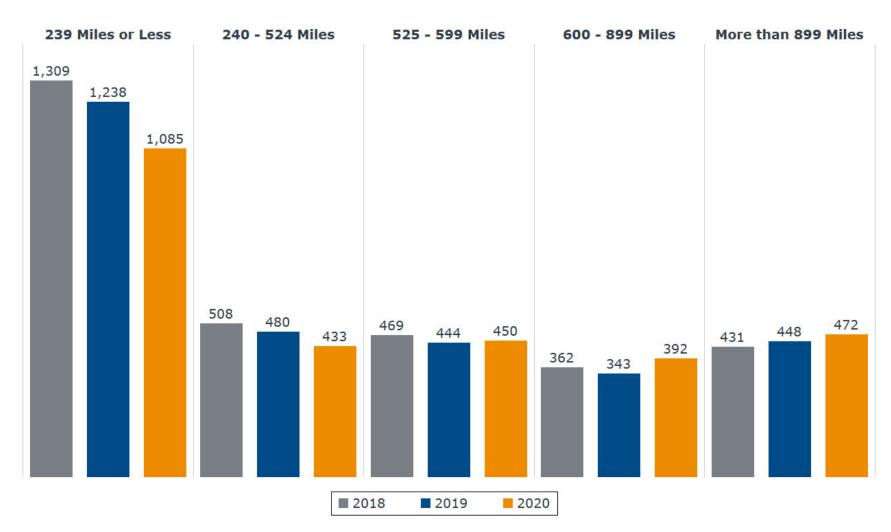
Admits By Distance Between Home and Campus



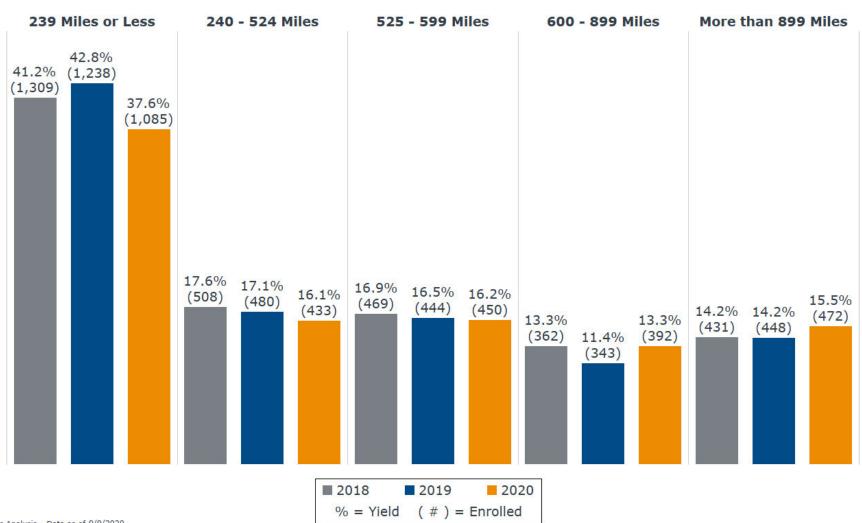


Enrolled By Distance Between Home and Campus

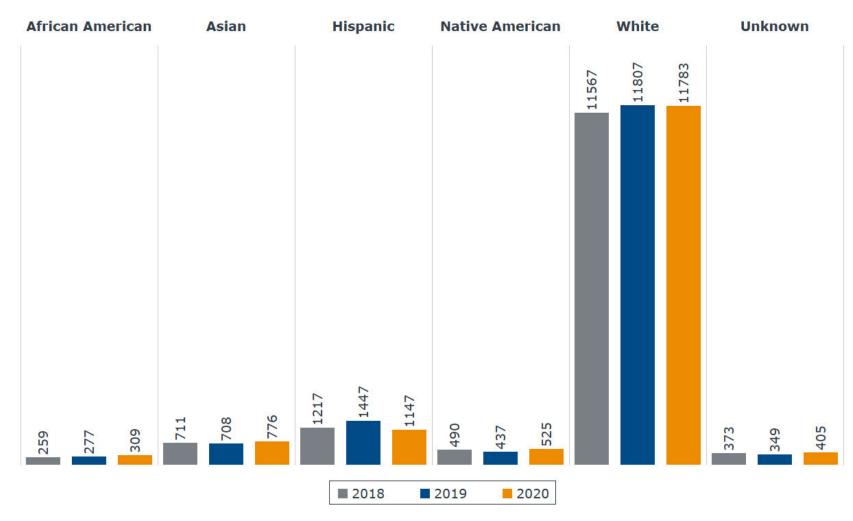
Model Population



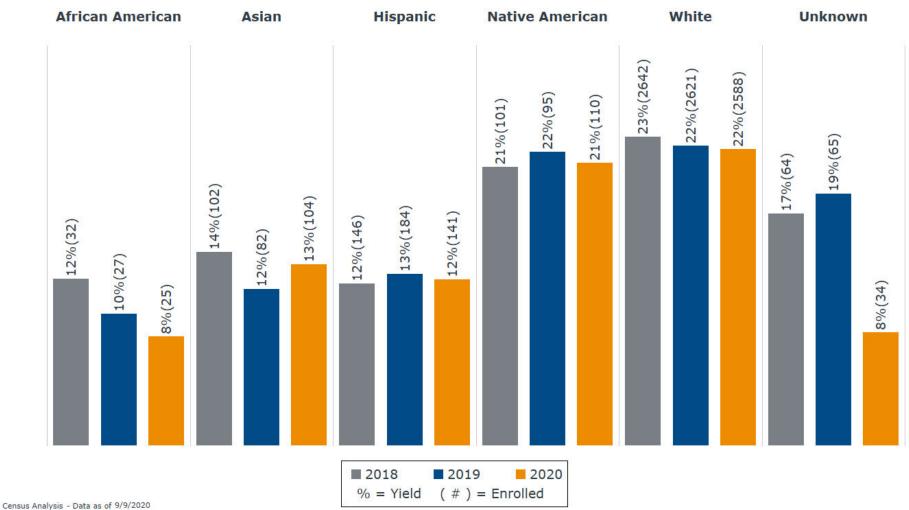
Yield By Distance Between Home and Campus



Admits by Race and Ethnicity



Yield by Race and Ethnicity

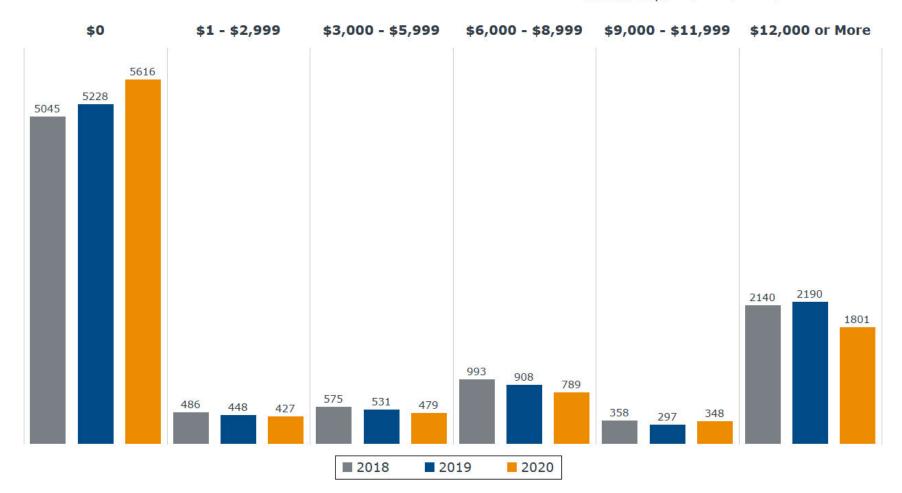


Admits by Gap



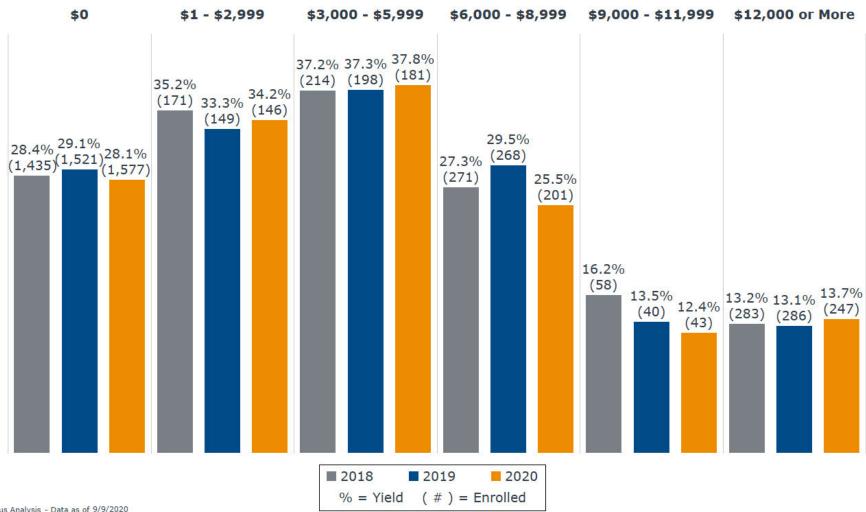
Model Population

2018 2019 2020 Median Gap: \$0 \$0 \$0



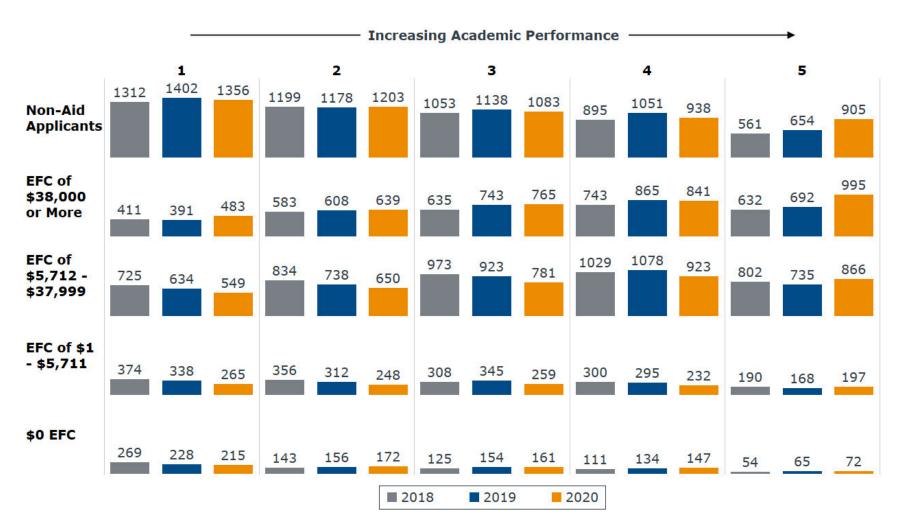
Yield by Gap

Model Population



Admits by Cell

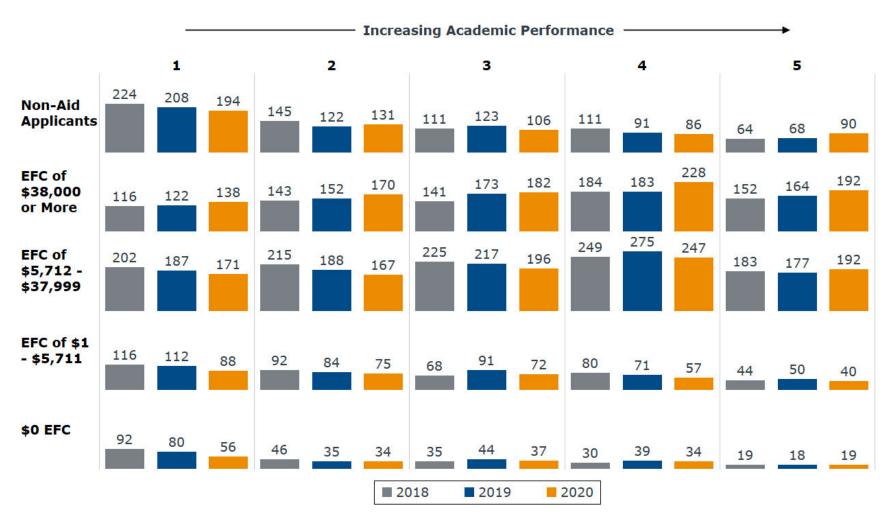
Model Population



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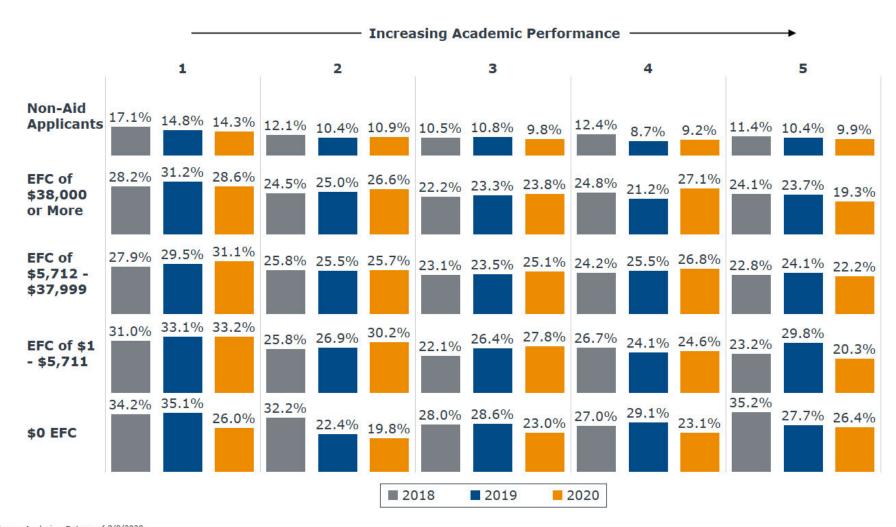
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Enrolled by Cell



Yield by Cell

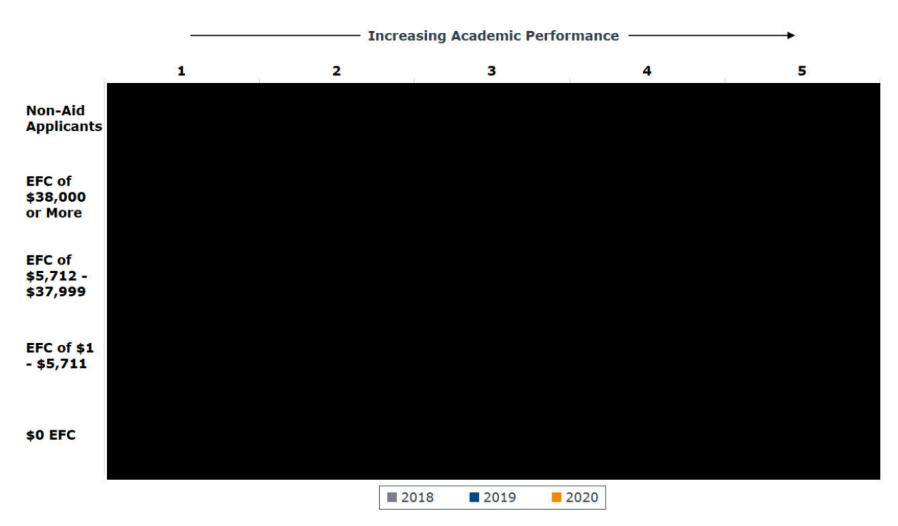
Model Population



Average Institutional Grant by Cell for Admits



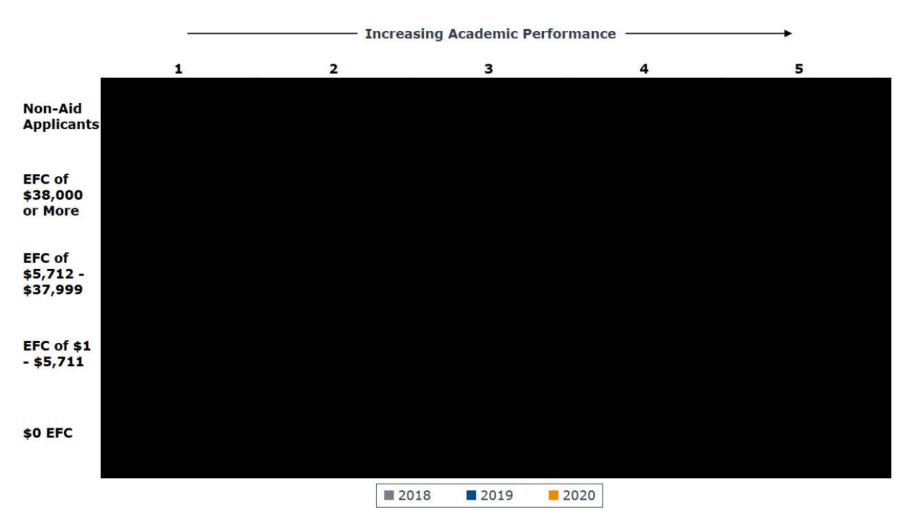
Model Population



Average Institutional Grant by Cell for Enrolled

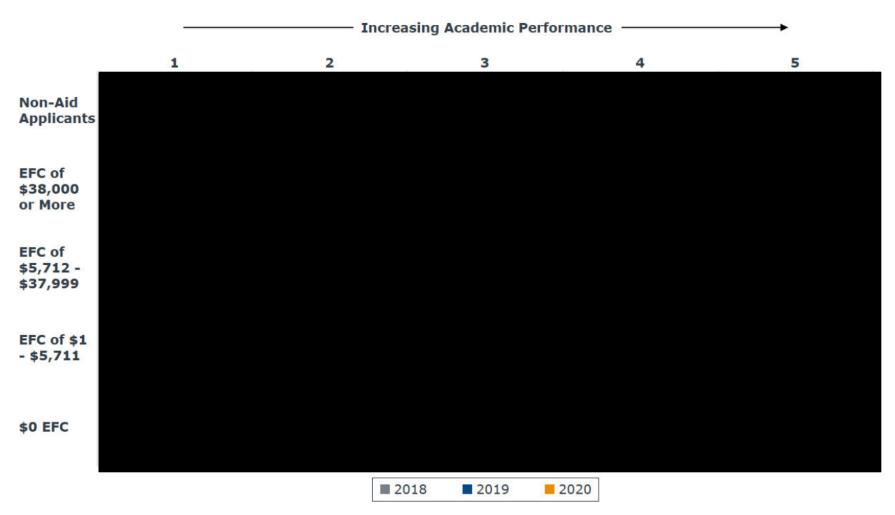


Model Population



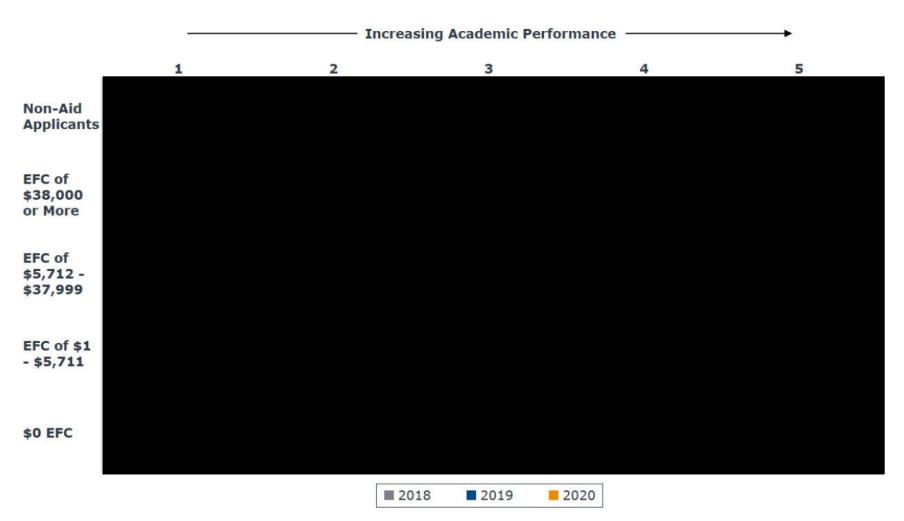
Average Net Cost by Cell for Admits





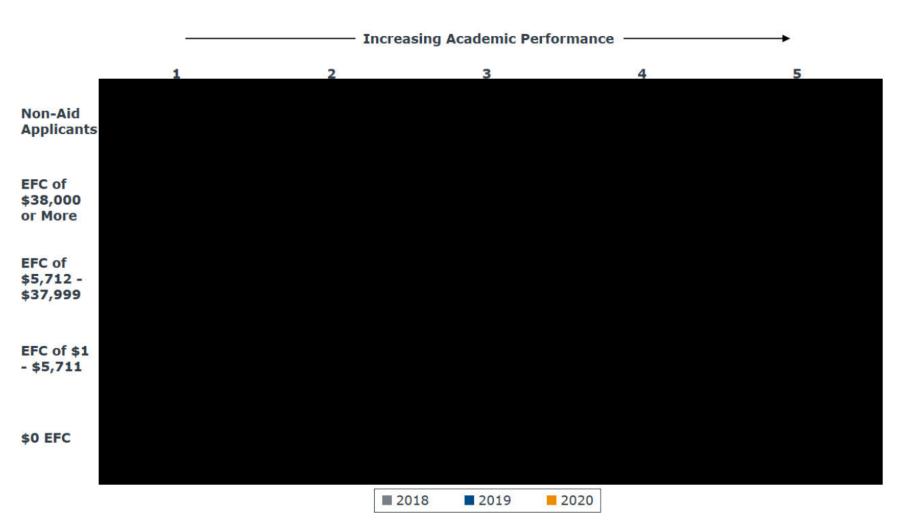
Average Net Cost by Cell for Enrolled





Total Net Tuition Revenue by Cell: Need and Academic Ranks





Average Net Tuition Revenue by Cell: Need and Academic Ranks



Model Population

