

Exhibit 4



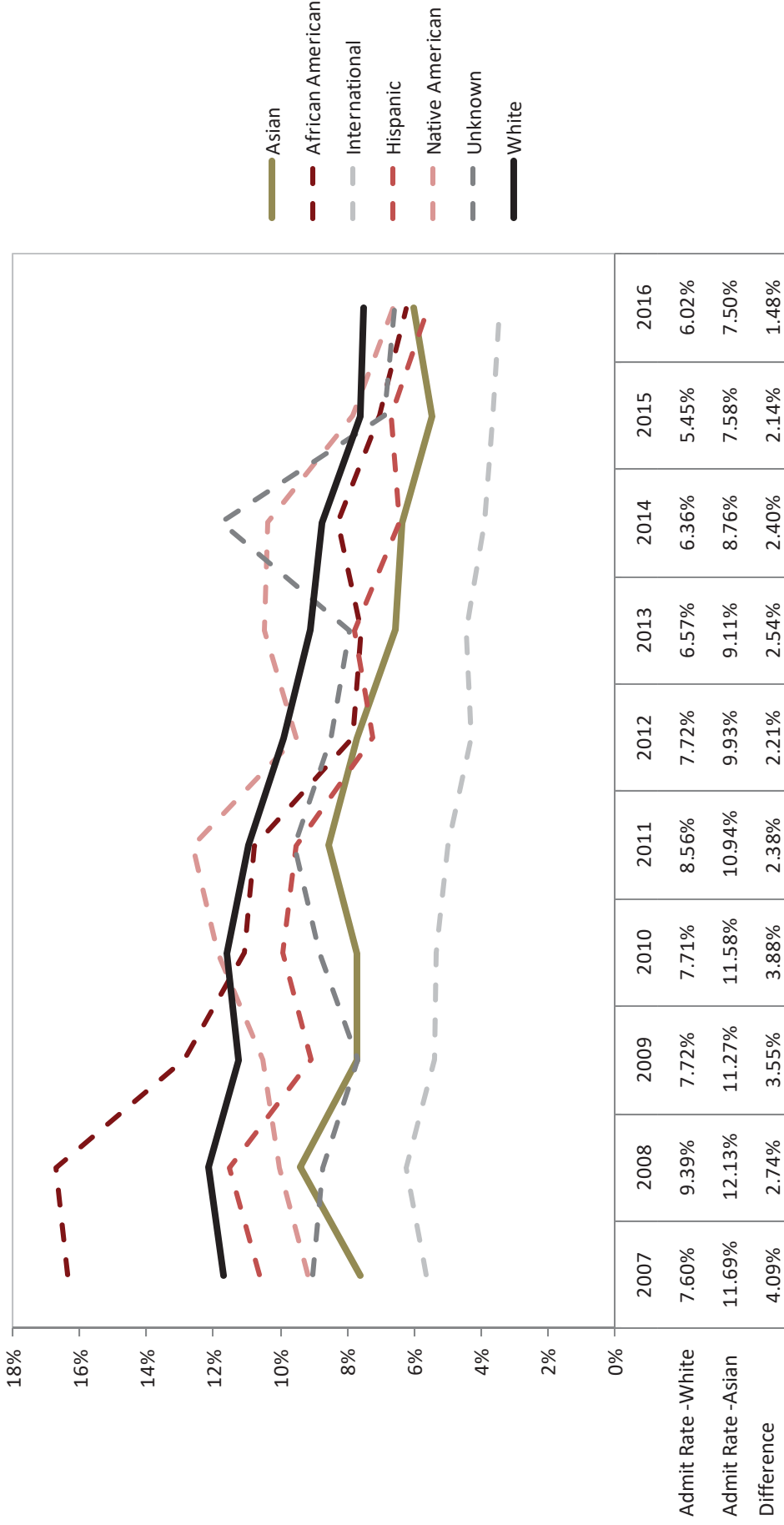
**Admissions Part II
Subtitle**

February 14, 2012

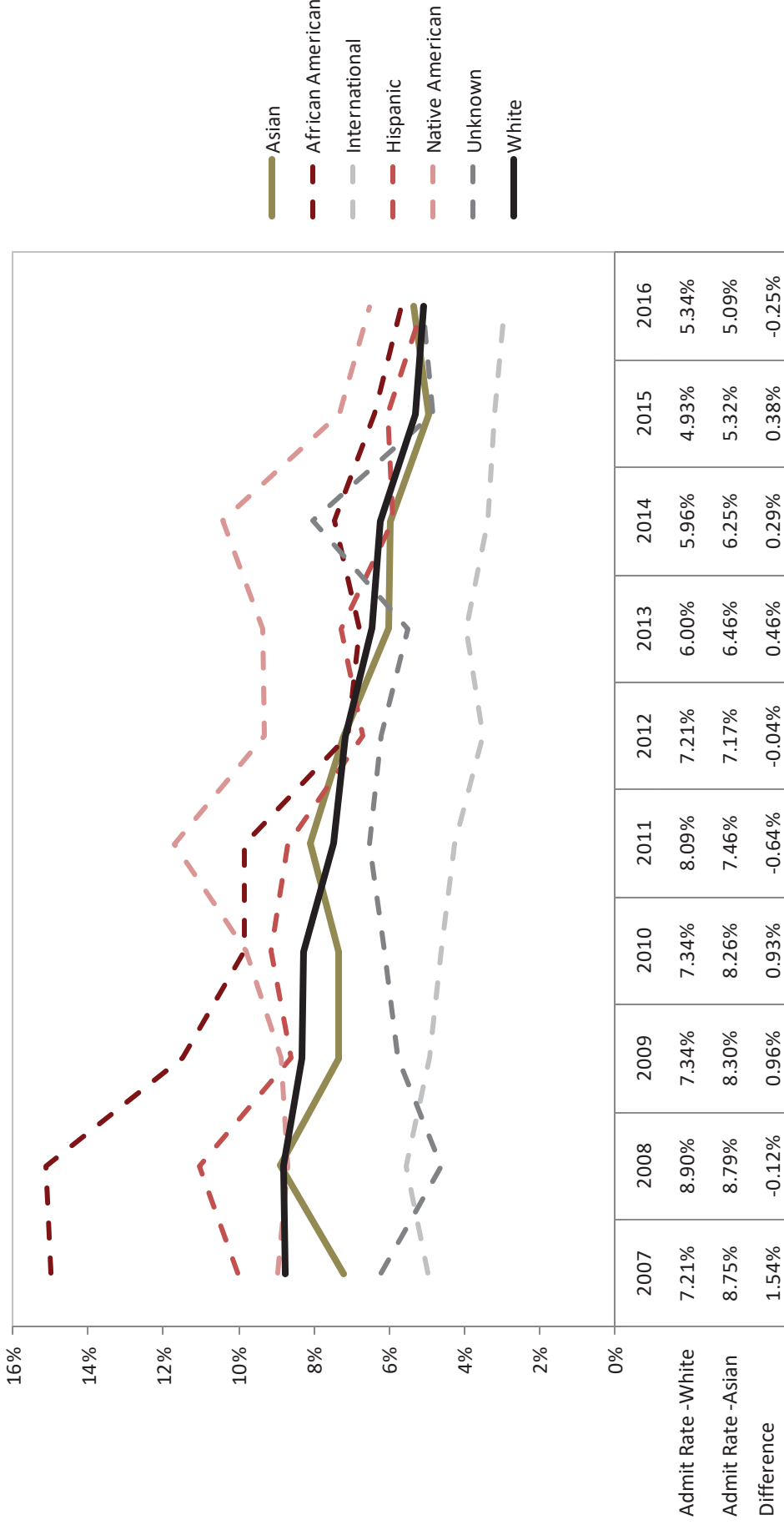
Office of Institutional Research

- Athletes and Legacies explain the difference in raw admit rates for Asian and White applicants.
- Asian applicants have higher average ratings and test scores (excluding the personal rating).
- Differences exist in the raw admit rates of Asian and White students with similar test scores and academic indices. Even top scores and ratings don't guarantee admission.
- Personal rating is important in models of the admissions process and drive some of the demographic differences we see.

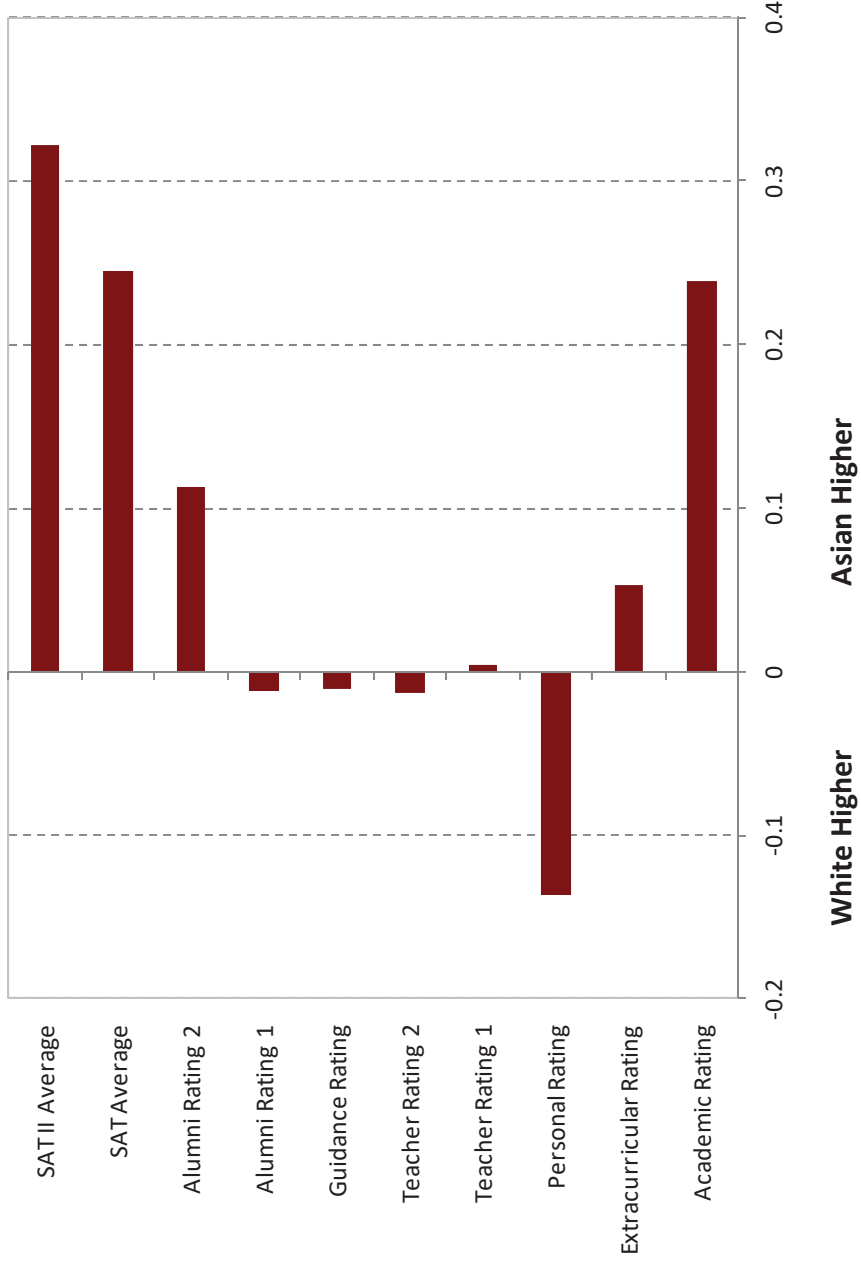
Admit Rates by Ethnicity, Classes of 2007-2016



Non-Legacy, Non-Athlete Admit Rates by Ethnicity, Classes of 2007-2016



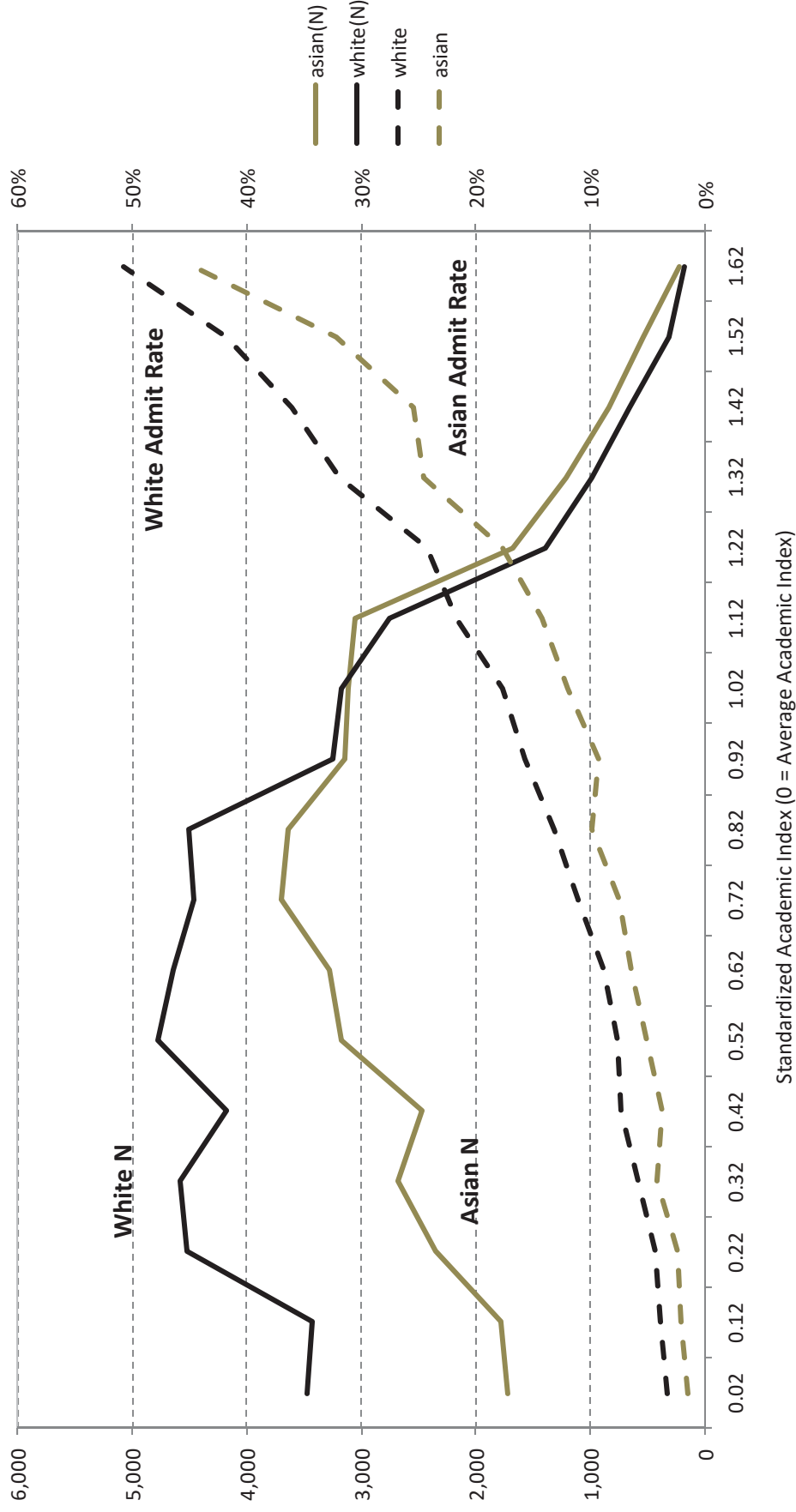
Difference in Average Test Scores and Ratings for White and Asian Applicants



Notes:

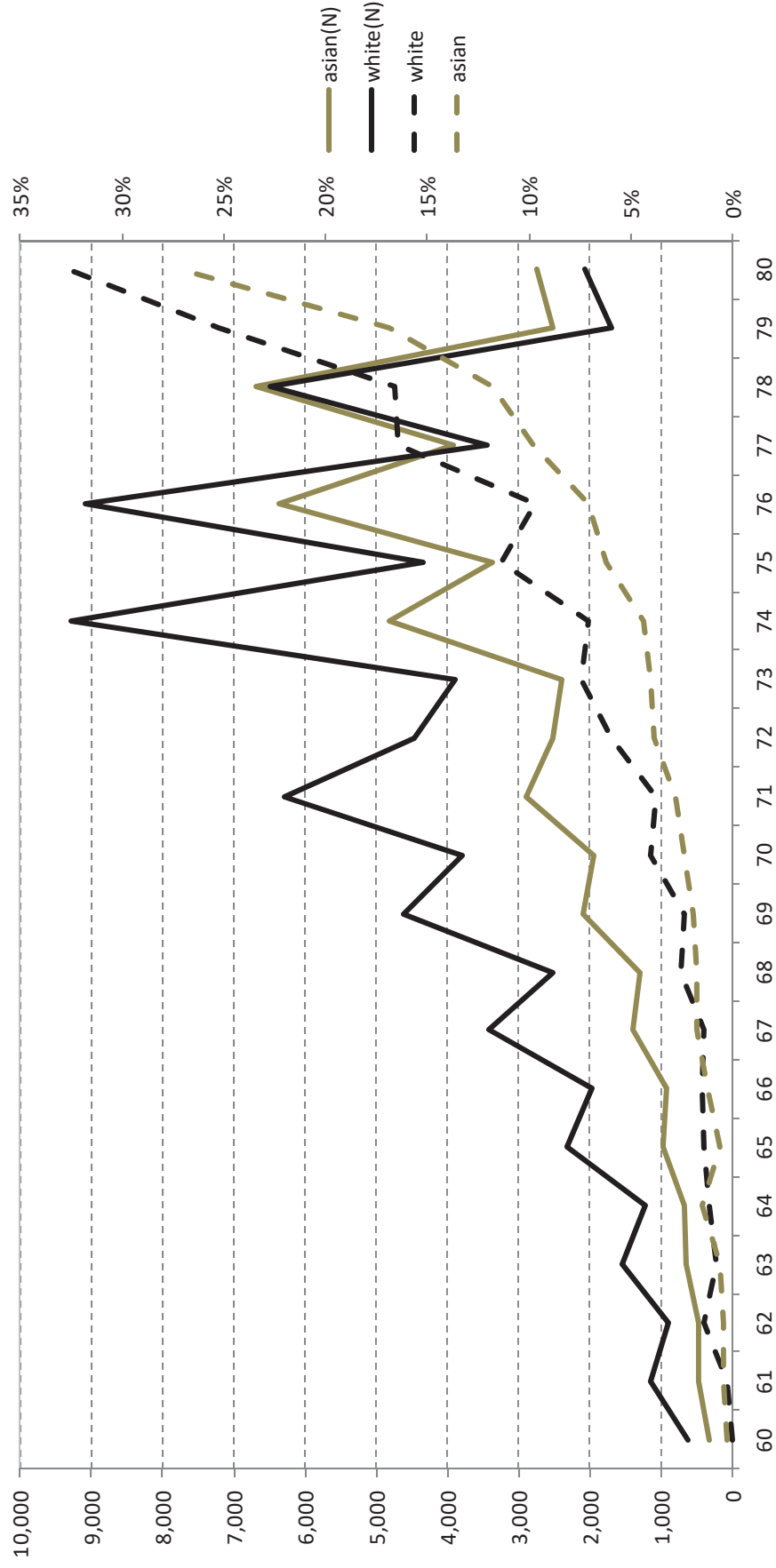
- Excludes legacies and athletes.
- OIR doesn't have all ratings for all years, so number of applicants differs for each rating/test score.
- Differences are in standard deviations.

Admit Rates by Academic Index for White and Asian Applicants, Classes of 2007-2016



- Notes:
- Excludes legacies and athletes.
 - Academic Index doesn't account for everything in admissions process. Even top rated students barely have a 50% admit rate.

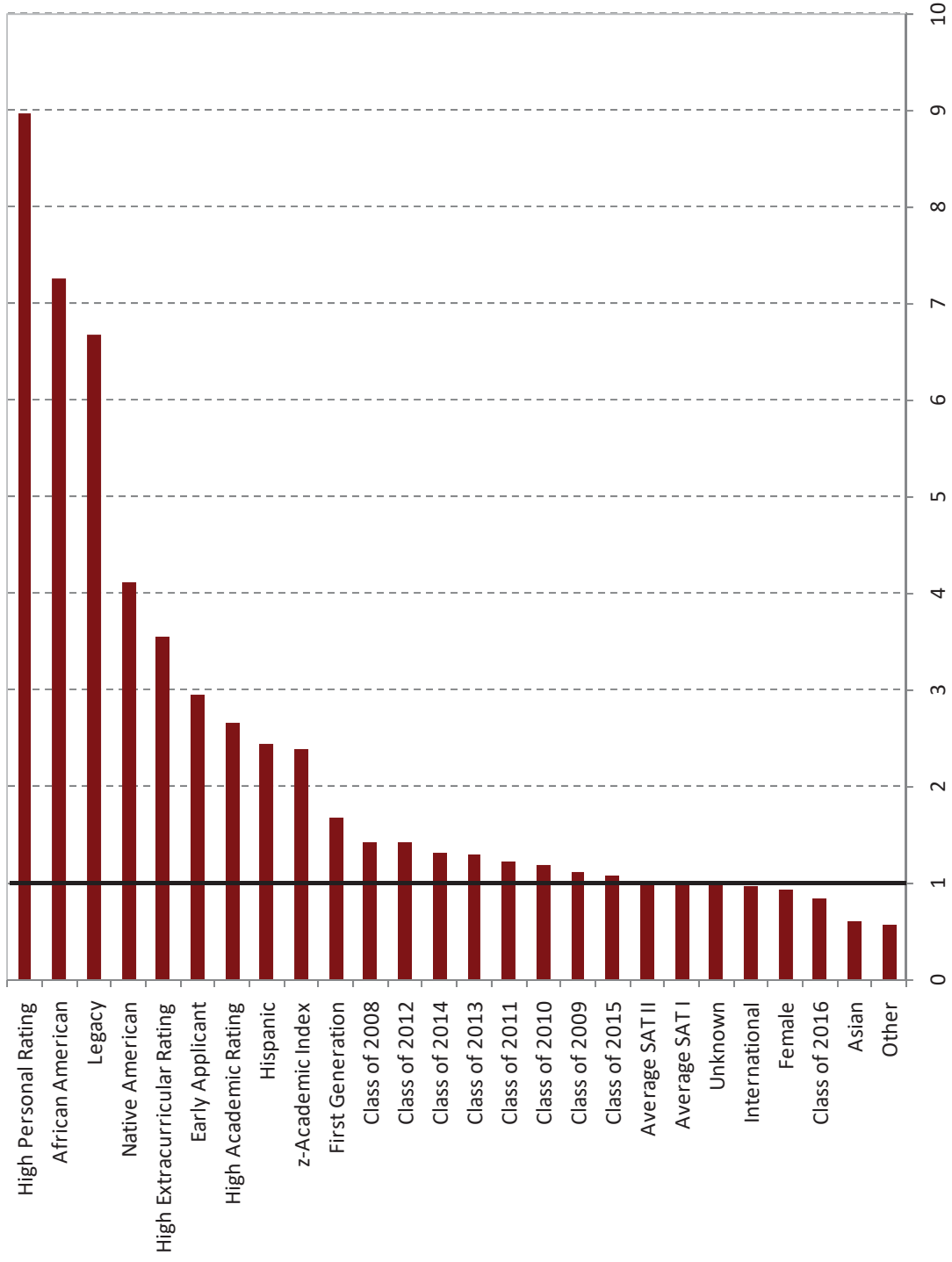
Admit Rates by Average SAT I for White and Asian Applicants, Classes of 2007-2016



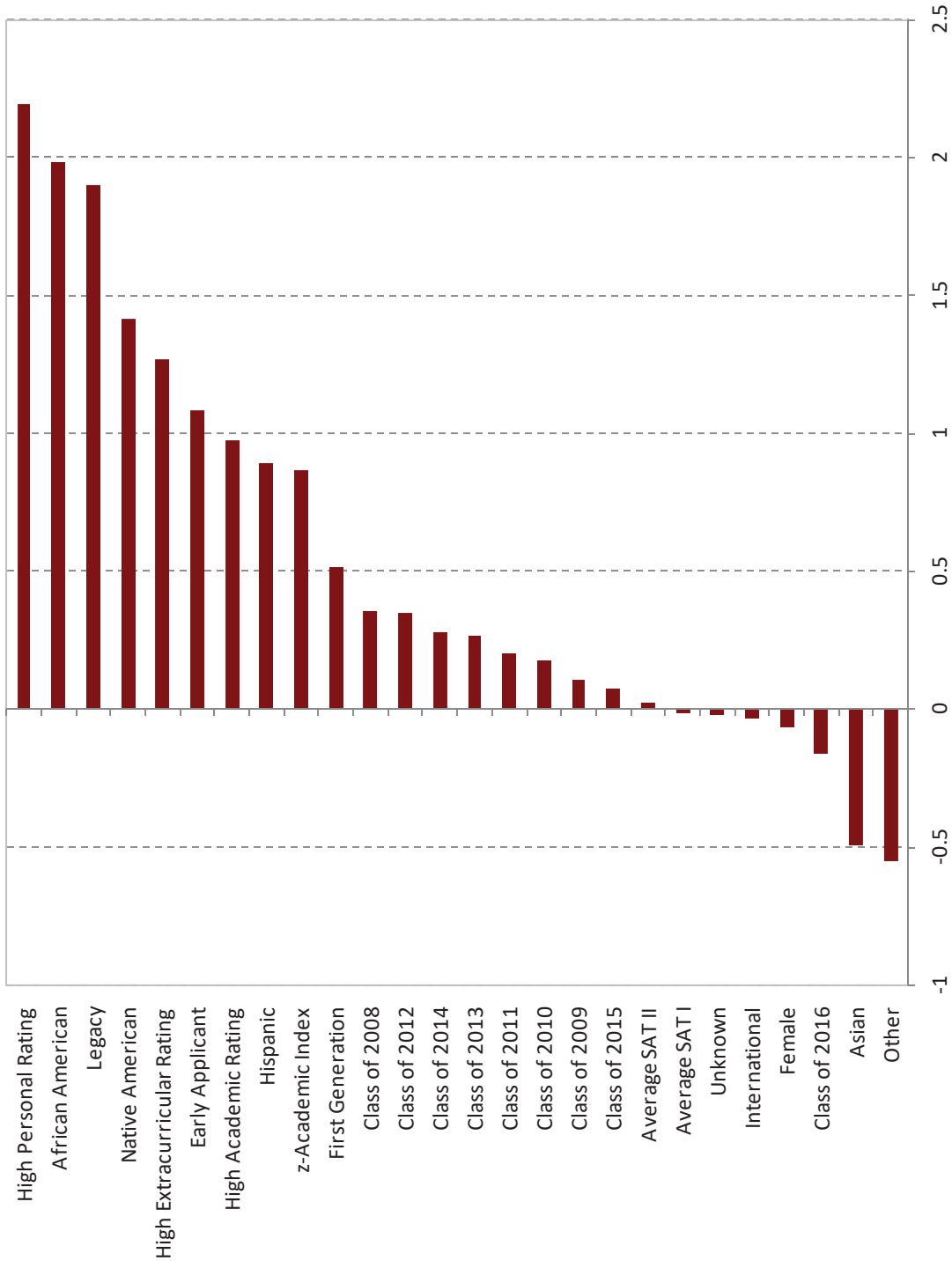
Notes:

- Excludes legacies and athletes.
- Spikiness in distribution due to rounding averages to integers.

Odds Ratios for Main Effect Logistic Model



Logit Coefficients for Main Effect Logistic Model



Goal: Using various admissions ratings, how well can we approximate admit rates by race/ethnicity and the demographic composition of the admitted students pool?

Strategy:

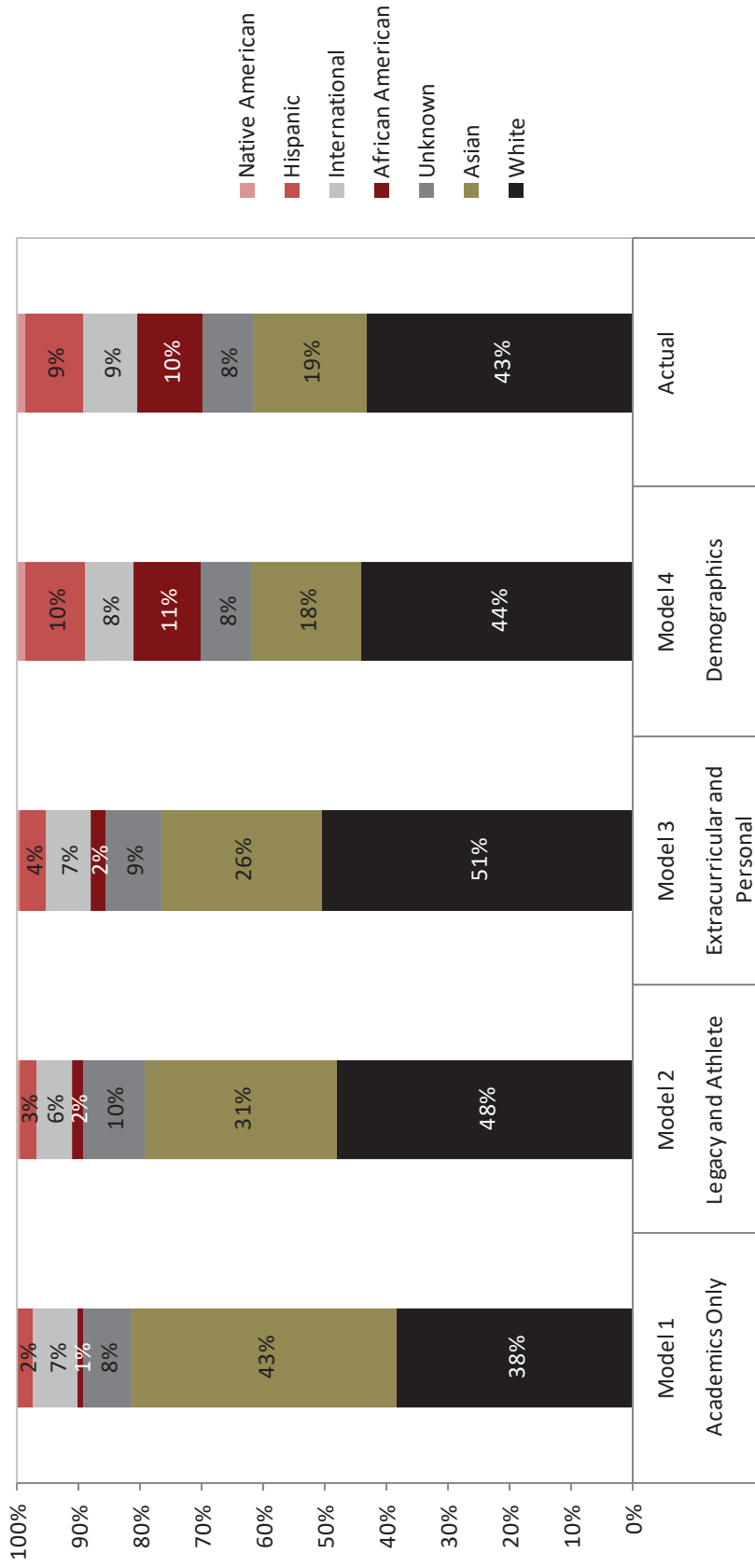
- Fit a series of basic logistic regression models.
- Generate fitted probabilities of admissions - given an applicant's characteristics how likely are they to be admitted (0-1)?
- For each class, select the 2100 applicants with the highest probability of admissions as our simulated admitted class.
- Examine resulting demographics and admit rates by ethnicity.

Notes:

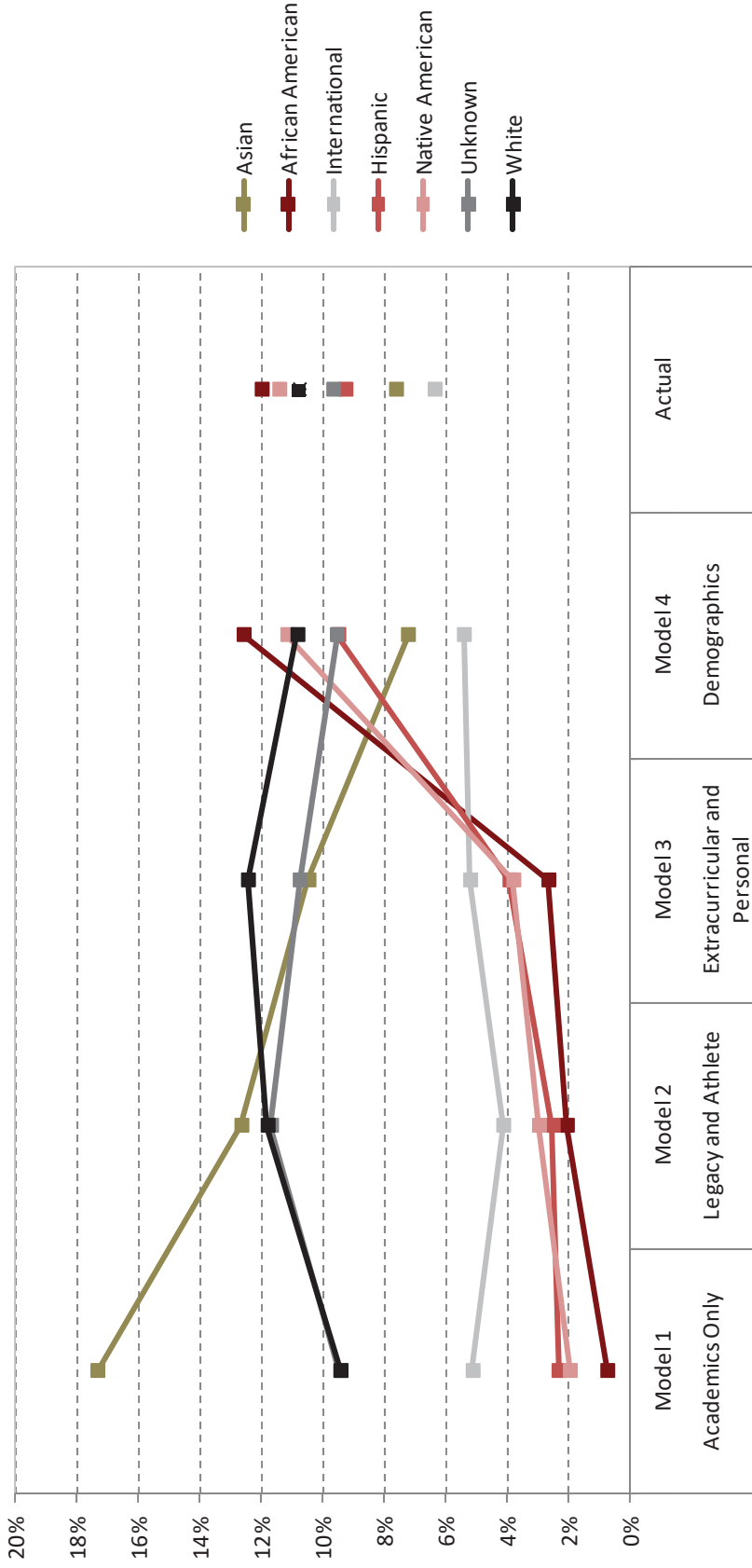
- Students with no academic index are excluded from this analysis. N = , admit rate =

Model 1: Academic only	Model 2: Add legacy and athlete	Model 3: Add personal and extracurricular	Model 4: Add demographics
Academic Index	Academic Index	Academic Index	Academic Index
Academic Rating	Academic Rating	Academic Rating	Academic Rating
	legacy	legacy	legacy
	athlete	athlete	athlete
		Personal Rating	Personal Rating
		Extracurricular Rating	Extracurricular Rating
			Gender
			Ethnicity

Projected Admitted Student Pools



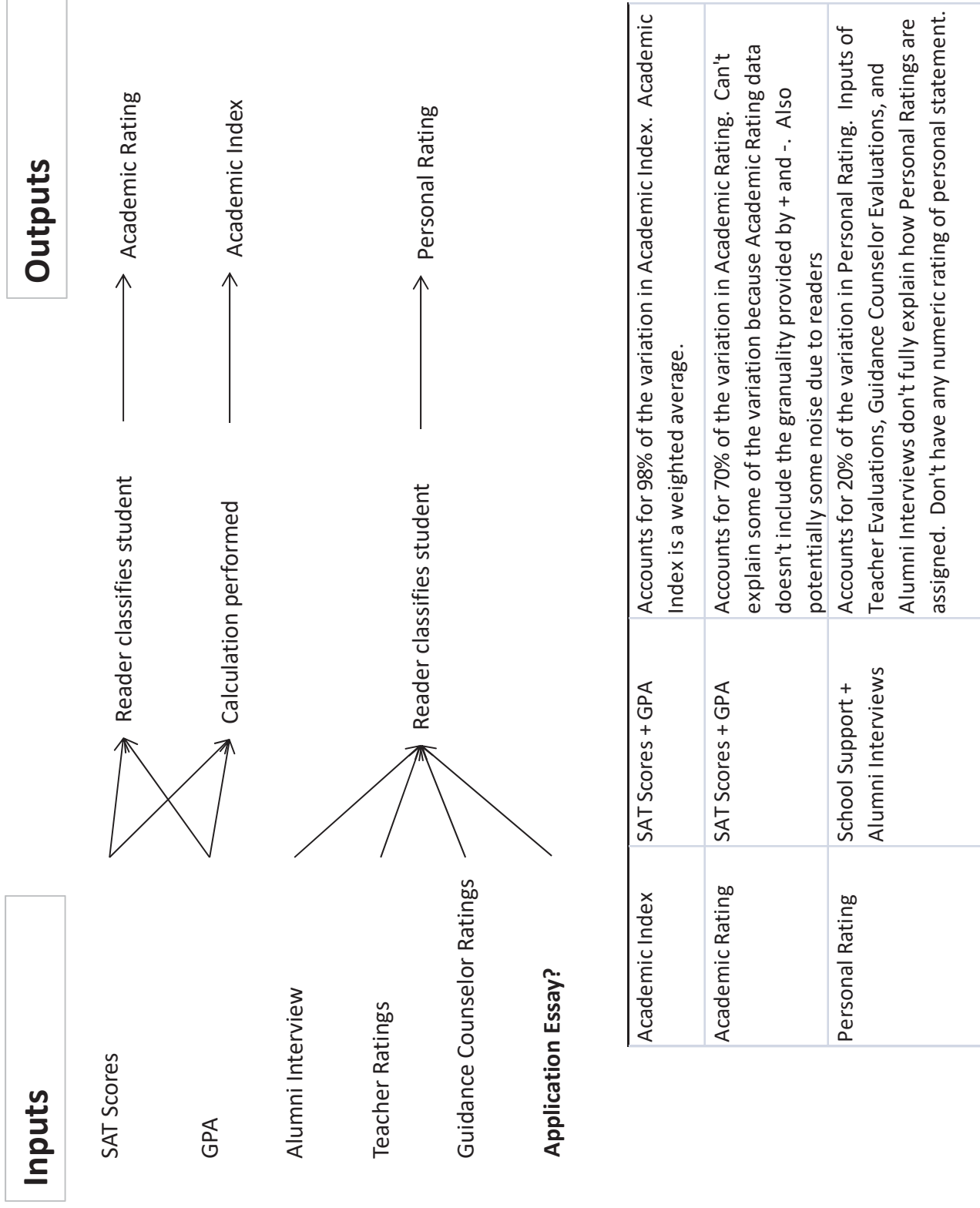
	Academics Only		Legacy and Athlete		Extracurricular and Personal		Demographics	
	Model 1	Model 2	Model 3	Model 4	Model 3	Model 4	Model 3	Model 4
Asian	43.04%	31.40%	25.99%	17.97%	25.99%	17.97%	25.99%	18.66%
African American	0.67%	1.83%	2.36%	11.12%	2.36%	11.12%	2.36%	10.46%
International	7.27%	5.86%	7.39%	7.68%	7.39%	7.68%	7.39%	8.90%
Hispanic	2.42%	2.62%	4.07%	9.83%	4.07%	9.83%	4.07%	9.46%
Native American	0.21%	0.32%	0.41%	1.23%	0.41%	1.21%	0.41%	1.23%
Unknown	8.02%	9.93%	9.14%	8.09%	9.14%	8.11%	9.14%	8.09%
White	38.37%	48.03%	50.63%	44.08%	50.63%	44.08%	50.63%	43.21%



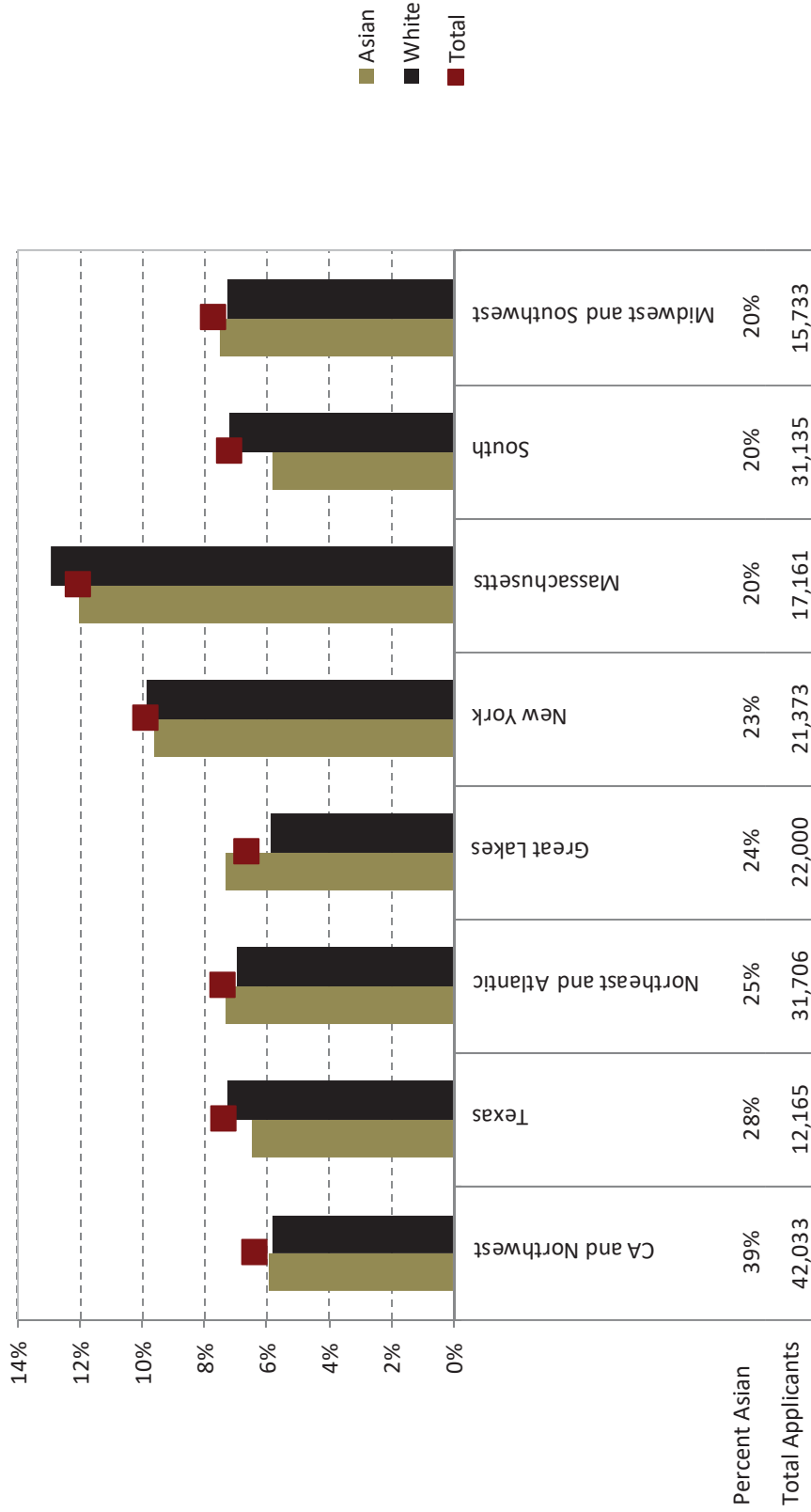
	Academics Only		Legacy and Athlete		Extracurricular and Personal		Demographics	
	Model 1	Model 2	Model 3	Model 4	Model 3	Model 4	Model 3	Model 4
Asian	17.35%	12.66%	10.48%	7.24%	10.48%	7.24%	7.63%	7.63%
African American	0.75%	2.07%	2.67%	12.59%	2.67%	12.59%	12.00%	12.00%
International	5.13%	4.14%	5.22%	5.42%	5.22%	5.42%	6.37%	6.37%
Hispanic	2.34%	2.53%	3.94%	9.51%	3.94%	9.51%	9.27%	9.27%
Native American	1.97%	2.98%	3.81%	11.43%	3.81%	11.17%	11.43%	11.43%
Unknown	9.45%	11.70%	10.77%	9.67%	10.77%	9.56%	9.67%	9.67%
White	9.43%	11.81%	12.45%	10.84%	12.45%	10.84%	10.77%	10.77%

The Personal Rating: Numeric value doesn't capture full picture of applicant

PRELIMINARY DRAFT



Admit Rates by Region for White and Asian Non-Athlete, Non-Legacy Applicants, Classes of 2007-2016



Notes:
 • Excludes legacies and athletes.

- Information lost by not recording plusses and minuses.
- Yield considered when admitting students?
- Other factors not used in models:
 - Children faculty/staff
 - Search for socioeconomic diversity
 - High school quality/opportunities open to student
 - Dockets