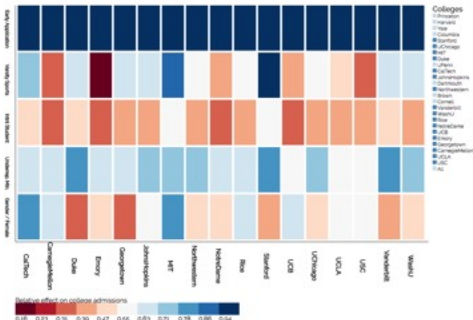
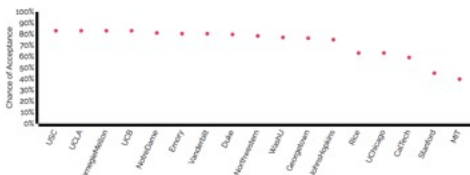
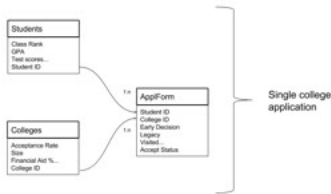


# PREDICTING COLLEGE ADMISSIONS

## TEAM BRAAVOS

### OVERVIEW AND MOTIVATION

Every year, four million students apply to US Colleges without having a good idea of their chances of getting in. Fueled by US News Rankings, colleges puff up their rejection rates, while myopically finding students through the narrow lens of standardized test scores. This project provides data-science based probabilities of getting in along with interactive visualizations, allowing students and parents to investigate how certain aspects of their application affect the chances of an acceptance to various schools and therefore allowing them to best focus their time and money. Users can also view summaries of application and acceptance data to make other inferences about their own potential success in applying to different colleges. Finally, detailed visualizations are provided to compare specific schools by factors that motivate their acceptance criteria.



Applicants enter GPA, SAT scores, demographics to generate a prediction.

Results can be filtered by Ivy / Non-Ivy or Region and sorted by school or probability.

Random Forest for prediction (75% accuracy, 13,000 training samples)

Data obtained from [www.collegedata.com](http://www.collegedata.com)

A heat map easily identifies which factors are more important for certain schools.

Factor importance determined by Linear Mixed Model.