

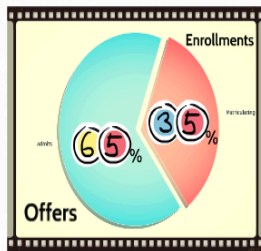
# Mission Admission



PS 12 private schools



## The Problem of Admission Directors





Balancing Student Offers and Enrollments

## What Did We Do ?

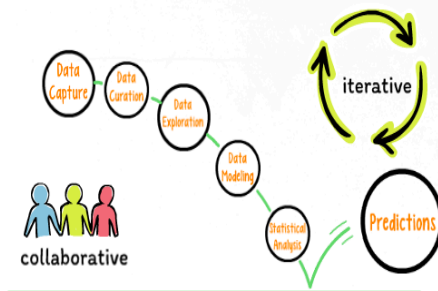


- Understanding how the admission process works and source data
- Conducting analysis on the data to identify key features of the data
- Constructing predictive models for answering business questions

## What Did We Want ?

- To predict if a student receives an admit offer or not 
- To predict if a student accepts an admit offer or not 
- To produce models and visualizations supporting the above

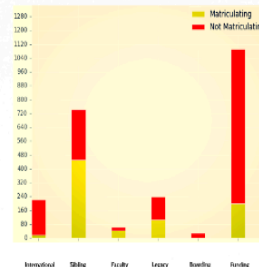
## What was our Process?



What factors affect enrollment rate?

## What We Saw:

Ties to school through siblings, legacy and faculty show more number of students matriculating i.e enrolling.



## What We Found & Produced :

### Outcomes & Insights

- Logistic model with an accuracy of >80%
- Model scalable to other regions and customizable for specific schools
- Correlations in support of and against intuition
- Patterns with respect to ethnic groups

