

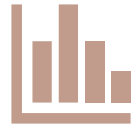


UNIVERSITY STUDENT DATA ANALYSIS AND MODELLING -SACHIN NAIK

OVERVIEW



Goal



Our data



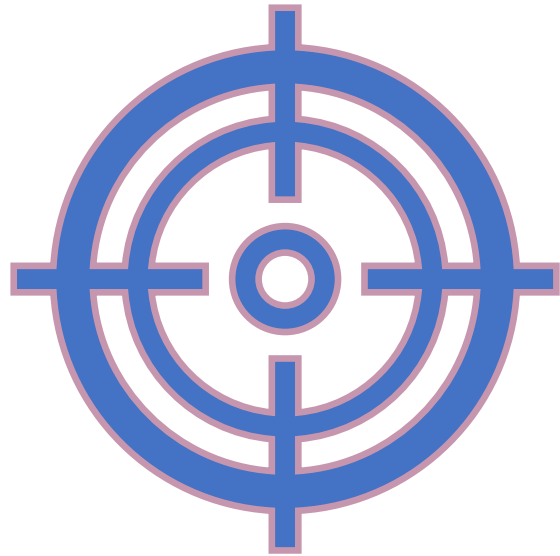
Model predictions



Completion Rates



Key
Indicators



GOAL

The primary goal of this analysis is to help the universities identify students who are more likely to complete their course work and graduate thereby generating university revenue

OUR DATA



We got income data from data.census.gov based on the zipcode of the applicants



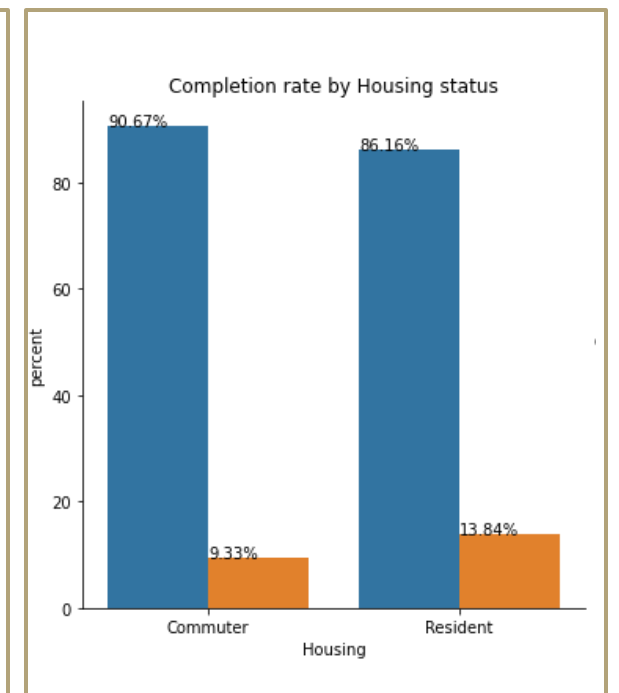
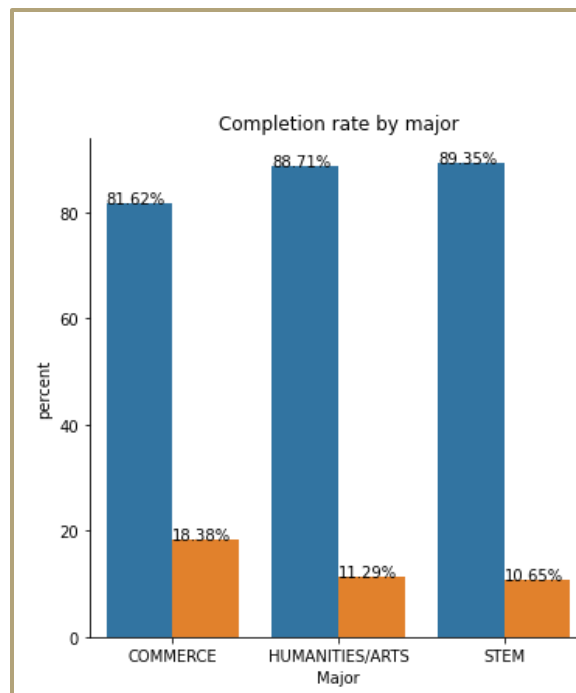
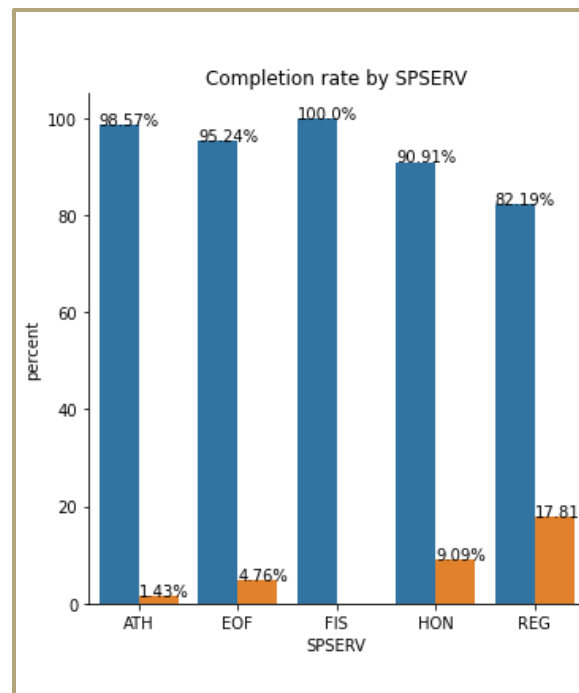
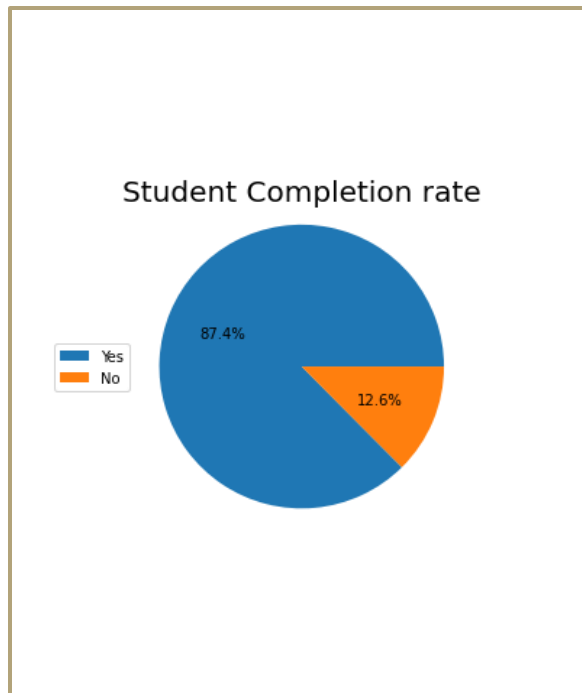
Rest of the data was student reported or based on student categorization at the university.

KEY INDICATORS THAT AFFECT COMPLETION RATES

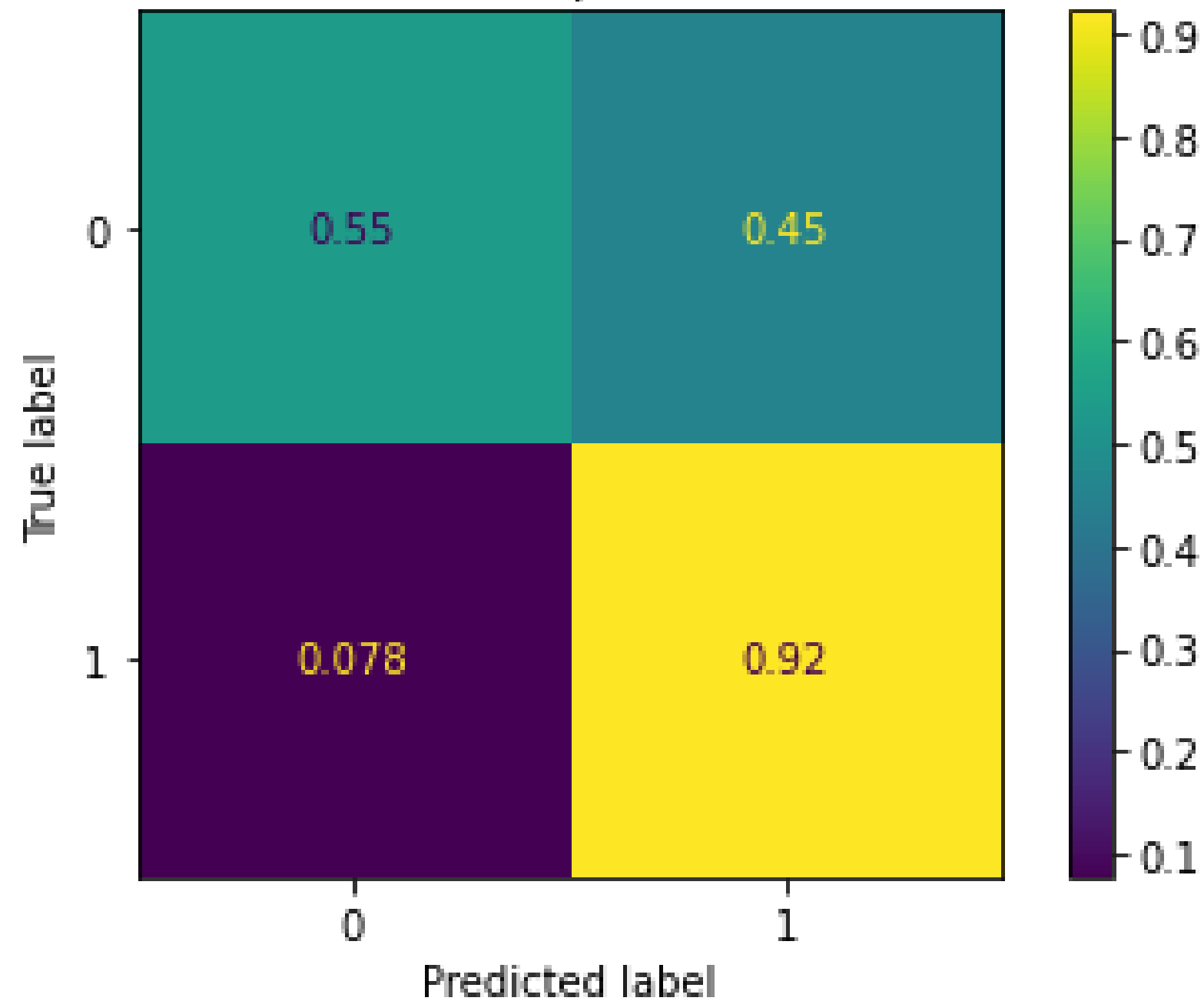
- SAT SCORE
- SCHOLARSHIP AMOUNT
- HOUSEHOLD INCOME
- DISTANCE FROM HOME
- FRIENDS/ FAMILY WHO HAVE ATTENDED THE SAME UNIVERSITY

COMPLETION RATES

- FIS had the highest completion rate among special services
- Commerce students had the high completion rate in majors
- Resident students had higher completion rates.



Actual vs predicted



MODEL

- Our model uses 9 indicators that can identify students who will stay at the university and complete their coursework with almost 90% accuracy.



FUTUREWORK

- We can use student highschool course work /grades to assess students prepradness for college which directly impacts completion rate.
- I would like to use Student's college GPA on a semester basis with semesters after which a student drops out to determine drop out risk rates.
- I would also like to identify key zipcodes to recruit students



THANK YOU !

QUESTIONS ?