HS Counselor AI

A tool for High School Counselors

Our process

Obtain

Scrub

Explore

Model

Analyze

Obtain

Gather Data from NCES

Scrub

Organize and structure the data for ease of use.

Explore

Investigate the dynamics of the data.
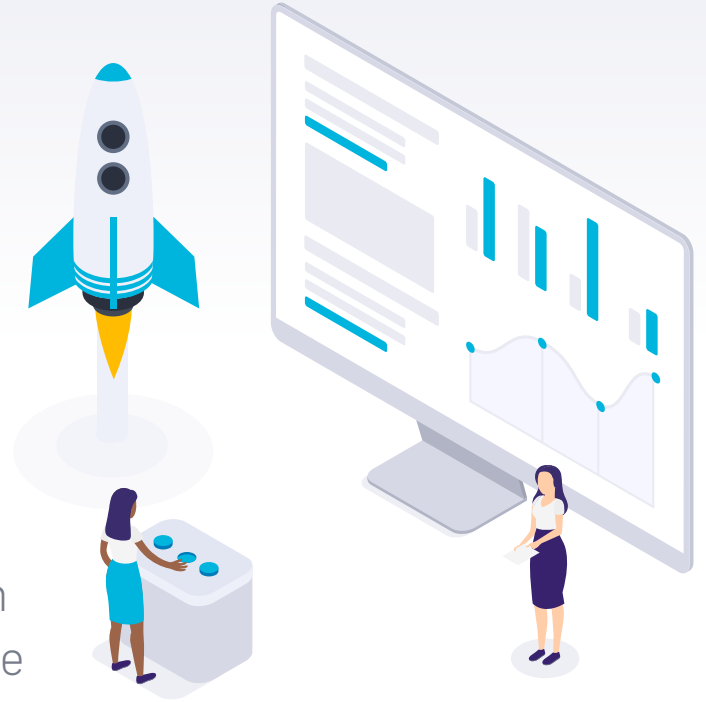
Model

Build a predictive model.

Analyze

Use insights from the model to make decisions.

The Data

Data for this model was obtained from the National Center of Education Statistics High School Longitudinal Study of 2009. Complete information can be found at
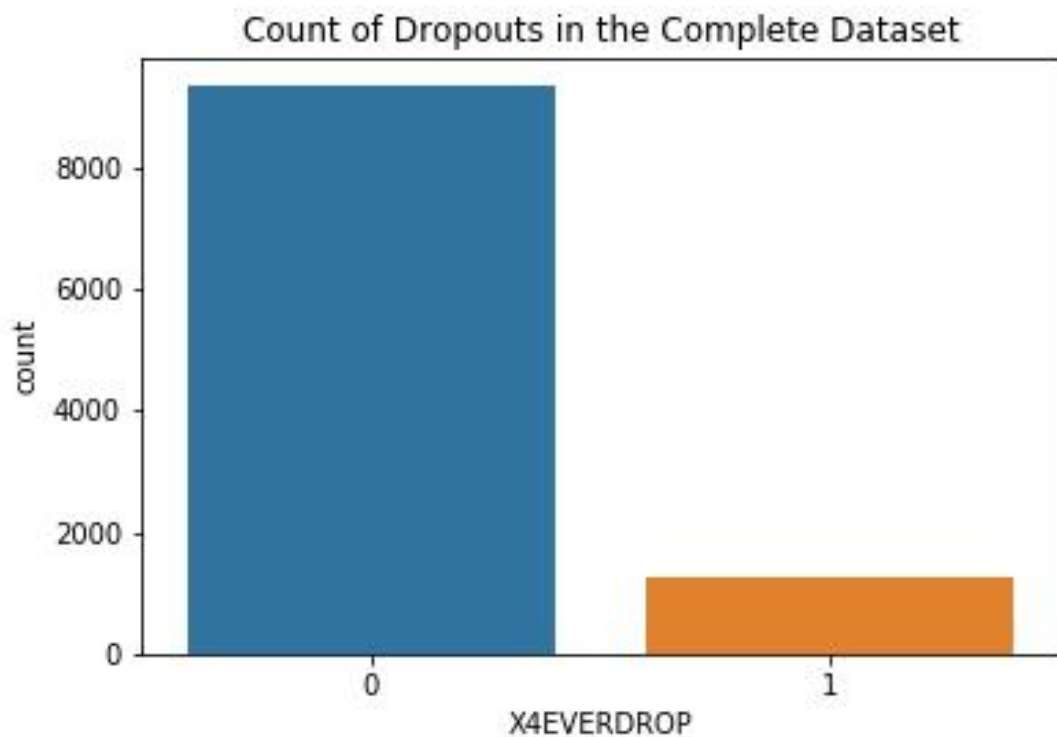
https://nces.ed.gov/surveys/hsls09/ .

How is the Data Structured?

Data scrubbing for this project included grouping the questionnaire data into categories, eliminating missing data, and creating composite data that combined multiple questionnaire responses.
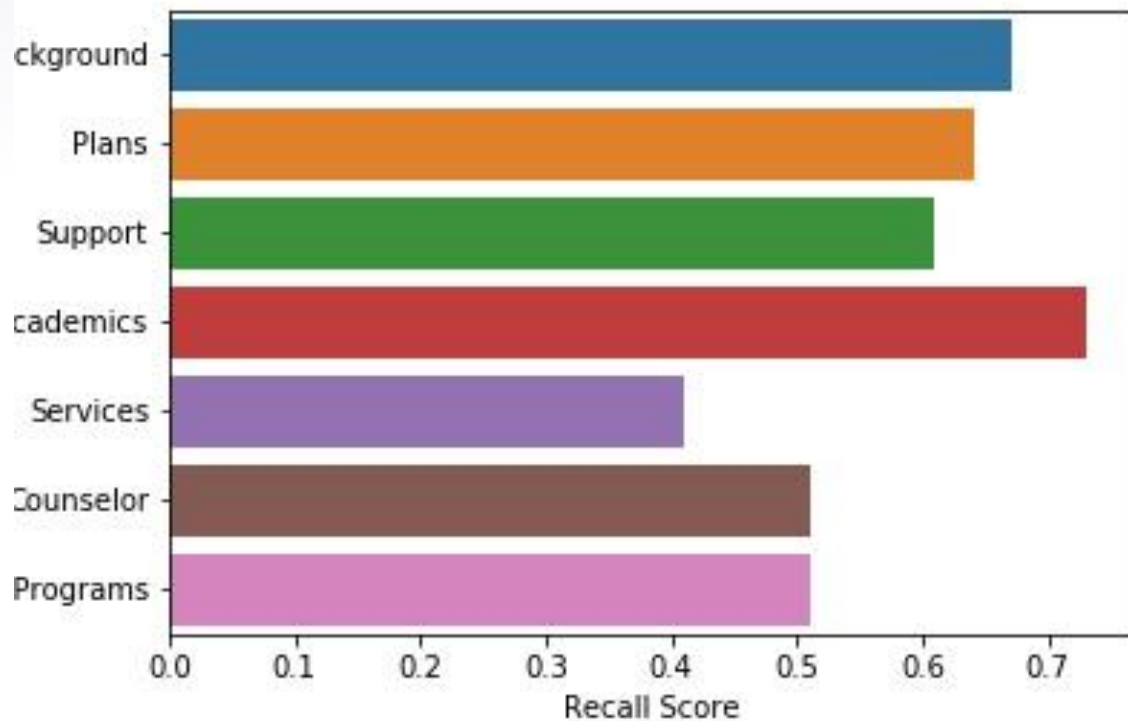
Explore

Model

This model was able to correctly identify 73% of students that dropped out of HS at some point of their high school career.

Analysis

Future Work

- ▸ Could be applied to other success metrics, such as post-graduation employment levels, college acceptance, and life satisfaction
- ▸ Could be used to analyze the impact of various school programs with regard to those success metrics

Thank you!

Questions? Email me at
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