

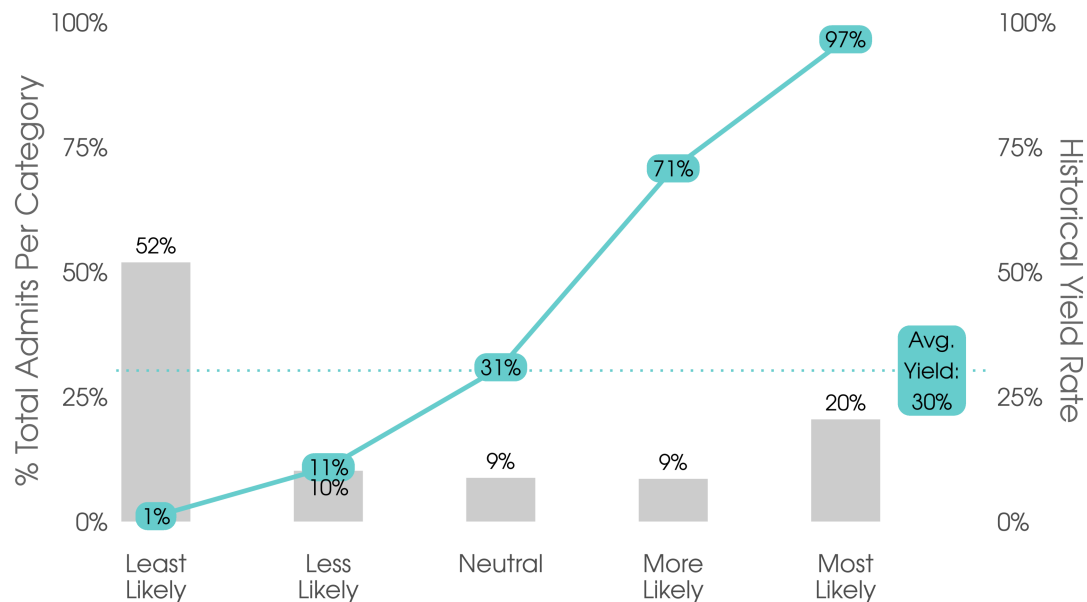
Youngstown State University – Yield Model

The **admit-to-enroll** model for **Youngstown State University** was trained using data from Fall 2022, and tested (validated) using data from Fall 2022.

Likelihood to Enroll Categories

The likelihood to enroll categories and corresponding yield rates are shown in the figure below.

- Bars indicate the number of total admits assigned to each category in the combined train and test data.
- Ovals and lines indicate the yield rate for each category, defined as the number of admits that convert to enrollees divided by total admits.
- The horizontal dotted line indicates the overall yield rate across all categories.



Most Important Model Variables

The Yield Model uses 84 different variables to determine which admitted students are more or less likely to enroll.

The 10 most important variables are as follows, in order of decreasing importance.

Rank	Variable
1	Student's DepositIQ Responses
2	Student's Net Cost of Attendance
3	Student's Distance From Campus
4	Applied for Aid Indicator
5	Student's Gift Aid as Percent of Total Aid
6	FAFSA Received Date, Weeks After Jan 1
7	Index of Zip-Code Political Contributions
8	Student's Unmet Financial Need Amount
9	Student's Intended Major
10	First Source of Student Contact