Project Ideas

**ftretention\_rate** The percent of the previous year's fall first-time full-time cohort (minus exclusions) that re-enrolled at the institution as either full-time or part-time the following fall.

1. **Predict the retention rate for a school ~ based on** finance, enrollment, staffing, completions and student aid using data for the year.

**Predictor Variables**

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| --- | --- |
| **control** | 1 Private , 0 public |
| **medical** | institution grants a medical degree  1 yes 0 no |
| **hbcu** | Historically Black university 1 yes, 0 no |
| **nettuition01** | Net tuition revenue is the amount of money the institution takes in from students after institutional grant aid is provided (this is not the same as the net tuition number available in IPEDS which is net of all discounts and allowances applied to tuition and fees). |
| **tuition\_reliance\_a1** | The net tuition share of operating revenues (net tuition; federal, state, and local appropriations grants, and contracts; and private gifts, grants, and contracts). |
| **appliedaid01** | This amount is equal to the amount of scholarships applied to tuition and fees. |
| **grant01** | Represents the gross amount of Pell grants disbursed or otherwise made available to recipients by the institution. |
| **tuition\_discount** | That part of a scholarship or fellowship that is used to pay institutional charges such as tuition and fees or room and board charges. |
| **fed\_grant\_pct** | Percentage of full-time, first-time degree/certificate-seeking undergraduate students who received federal grants (grants/educational assistance funds). |
| **fed\_grant\_avg\_amount** | Average amount of federal grants (grants/educational assistance funds) received by full-time, first-time degree/certificate-seeking undergraduate undergraduate students. Federal grants (grants/educational assistance funds) |
| **inst\_grant\_avg\_amount** | Average amount of institutional grants (scholarships/fellowships) received by full-time, first-time degree/certificate-seeking undergraduate students. Institutional grants |
| **loan\_num** | Number of full-time, first-time degree/certificate-seeking undergraduate students who received student loans |
| **loan\_avg\_amount** | Average amount of student loans received by full-time, first-time degree/certificate-seeking undergraduate students |
| **tuition01\_tf** | The tuition charged by the institution to those full-time undergraduate students residing in the locality in which they attend school. This may be a lower rate than in-state tuition if offered by the institution. |
| **fee01\_tf** | Fixed sum for items not covered by tuition charged to undergraduate students who are residents of the institution's district. |
| **education\_share** | The instruction and student services portion of spending on instruction, student services, research, and public service; it is used in the calculation of education and related expenses. |
| **instruction\_share** | The share of education and related spending on instruction. |
| **eandr\_degree** | A measure of spending on direct educational costs per degree (in contrast to cost per student enrolled); education and related expenses (for all students) are divided by all degrees awarded in the same year. |
| **average\_subsidy** | The dollar amount of education and related expenses that is covered by institutional resources (endowment or state funding); it is the difference between education and related expenses and net tuition revenue. |
| **nettuition\_share** | The share of education and related expenses that are covered by net tuition revenue. |
| **gross\_operating\_margin** | The difference between total current funds revenue and total current funds expenditures. |
| **fringe\_benefit\_play** | A multiplier to estimate cash contributions in the form of supplementary or deferred compensation other than salary. Excludes the employee's contribution. |
| **instr\_sal\_as\_pct\_instrtot** | The share of total instructional expenditures attributable to salaries and wages. |
| **acadsupp\_sal\_as\_pct\_acadsupptot** | The share of total academic support expenditures attributable to salaries and wages |
| **assets06** | Total assets |
| **totaldegrees\_100fte** | The total number of degrees granted per 100 full time equivalent students enrolled. |
| **bach\_deg\_share\_of\_tot\_deg** | The proportion of all degrees conferred at the bachelor's level. |
| **fall\_cohort\_num** | includes all students who enter an institution as full-time, first-time degree or certificate-seeking undergraduate students during the fall term of a given year in fall term. |
| **fall\_cohort\_pct** | Fall cohort - Percentage of all undergraduates who were full-time, first-time degree/certificate-seeking students. |
| **total\_enrollment\_amin\_tot** | A person having origins in any of the original peoples of North America |
| **total\_enrollment\_asian\_tot** | A person having origins in any of the original peoples of the Far East, Southeast Asia |
| **total\_enrollment\_black\_tot** | A person having origins in any of the black racial groups of Africa (except those of Hispanic origin). |
| **total\_enrollment\_hisp\_tot** | A person of Mexican |
| **total\_enrollment\_white\_tot** | A person having origins in any of the original peoples of Europe, |
| **total\_enrollment\_multi\_tot** | A person that identifies as being more than one race. |
| **applcn** | Total number of applicants; Applicant - An individual (first-time, degree/certificate-seeking |
| **enrollftcount** | Total number of first-time, full-time degree/certificate seeking students enrolled full-time. |
| **enrollptcount** | Total number of first-time, part-time degree/certificate seeking students enrolled part-time. |
| **NUMstudSubACT** | Institution reported # of students submitting ACT score. |
| **NUMstudSubSAT** | Institution reported # of students submitting SAT score. |
| **instacttype** | Type of instructional activity (contact or credit); |
| **ft\_executive\_per\_100fte** | The number of full-time executive/administrative staff members per 100 FTE students. |
| **full\_time\_employee\_share** | The proportion of all employees that are full-time. |
| **ft\_faculty\_salary** | Average salary for full-time faculty members on 9-month equated contracts. |
| **full\_time\_employee\_100fte** | The number of all full-time employees per 100 FTE students. |
| **State Dummy** | 1, in state, 0 if not |