**Goal**

Determine variables important to starting income out of college and how have they changed over time.

**Boundaries**

Bachelor degree

Need to exclude graduate degree education and other non-4 year degree.

Major

SAT, ACT score

School name

School price

School size

Location, state or region?

Private or Public college

College football ranking

School colors

School mascot category

* Insect, animal, human, etc….

**Data to collect**

Individual school cost over time.

Starting income of major over time

????Limit size of the university or something else to deal with satellite campuses.

**Important terms**

Integrated Postsecondary Education Data System (IPEDS)

Degrees\_awarded.predominant =

Predominant undergraduate degree awarded  
 0 Not classified  
 1 Predominantly certificate-degree granting  
 2 Predominantly associate's-degree granting  
 3 Predominantly bachelor's-degree granting  
 4 Entirely graduate-degree granting

1. IHE = Institute of Higher Education

Stay with high level variables

* School selection
* College major selection - Major that leads to highest average income by school – ML
* Financial cost
* Debt
* Job success
* Unemployment
* ACT, SAT
* Top 10 – 20 variables for average income – ML
* Mean income versus tuition linear regression – ML
* Most expensive and least expensive costs outside of tuition
* Try to take older data and put it into the already existing models
* Total debt out of school, ability to repay, and default rate by school
* What causes people to default on loan -ML

Predict whether a certain ACT or SAT will get admitted.

Calculate a ROI for various schools based on major

Website Pages

-overview with map and search

- Overall college

-debt

-income

-Specific college

- Other?