

Variables : State, GPA, WorkExp, Test Score, Writing Score,
Gender, Volunteer Level.

Response : Decision (Accepted, Waitlisted, Denied)

For Students (Is it worth it? Can I afford it? Can I get in?)

- What to before & during application process.
- Decision estimator built from GPA, work & scores
 - Build decision tree / logistic regression w/ these variables
 - Need to have certain level of accuracy
 - look at confusion matrices to check for balance.
 - write disclaimer.

Administrators (Good applicants? Good admitted class? Sustainable program?)

- Status & Acceptance rates & application numbers
 - why some states have more applicants
 - why no applicants from certain states
 - competing / similar universities in other states
 - How to advertise better?
 - Is in-state tuition important in the process.
- How to weight the importance of each factor?
 - Need to adjust each year (e.g. maybe the average GPA of applicants gets higher each yr).
 - Need to make sure that the best students are

admitted.

- How to encourage more students to apply
 - state (bullet #1)
 - work exp: high or low? who do we want?
 - Alternate class schedules / add online courses?
 - Gender: Do we have a balanced population?
 - Is the professional field balanced? How can we help?
 - volunteer level: high or low?
 - Should we increase opportunities for admitted students?
 - Other details to adjust for admitted students.

Professors (How to teach?)

- What kind of students do I have?
 - What levels are they on?
- How does their backgrounds change the classroom?
 - more work-related?
 - more fundamentals?
 - more writing skills? etc.

Other (To be added)

- Think about application essays, recommendation letters & etc. How can they be incorporated?
- Maybe add some admission statistics from other schools.

- Application fraud prevention?