

Graduation Rates and Rate My Professors

The slide features several decorative horizontal lines. On the right side, there are two thin green lines above the main title. Below the title, there are two short grey lines on the left and right. At the bottom of the slide, there are two thin green lines spanning the width, with a thicker green line directly below them.

Why we are doing this project

- Graduation rates are important for higher education institutions and students
- Research has been done regressing resource allocation and graduation rates
- Other variables that have been shown to affect graduation rates:
 - Mental health
 - Percent of Pell grant recipients
 - Student population

How our project is different

- There has been no data relating what the student thinks about their institution and how they are treated and graduation rates
- Used [ratemyproffessors.com](https://ratemyprofessors.com) to find what students really think about their insitution

Rate My Professor Quality Rating System

Quality Rating	Definition
Reputation	How your school is viewed by the world
Internet	How is the internet at your school
Opportunity	If your school has the “hook-up”. If they have a powerful alumni network. How much has the college/university helped you take advantage of career opportunities.
Campus	How does your campus look
Social	What is the social scene like on campus. If there are lots of different events like concerts, lectures, rallies and sporting events

Quality Rating System Cont.

Location	How is the campus location relative to other key areas. If getting around is easy around your school.
Food	How are the dining halls and other public eating places at your school in terms of looks and actual taste of the food.
Library	Does your library have convent hours, good technology, and a quiet place to study.
Clubs	What is the extracurricular scene like
Happiness	If you are happy with the school overall
Average Professor Score	The average score of all the professors who have been rated on ratemyproffessor.com for that institution

Graduation Rate data

- Chronicle of Higher Education's College Completion Research
- Deleted all two year institutions and those who reported no four-year graduation rate
- Measuring only six-year graduation data
- Data now composes 1849 schools

Graduation Rate Data Cont.

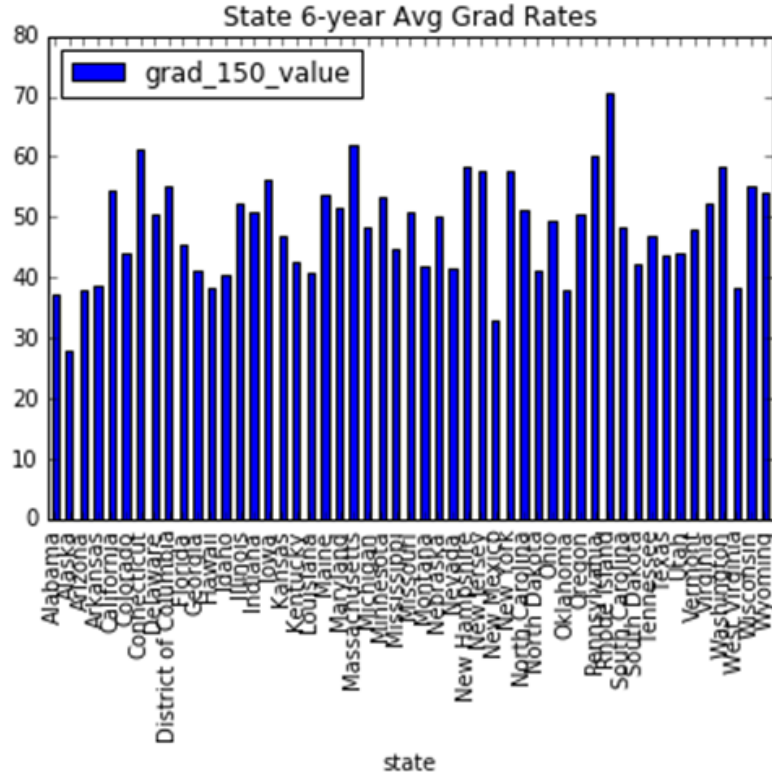
Four-year Graduation Rates

```
count    1849.000000
mean      36.159546
std       21.983596
min        0.300000
25%       18.800000
50%       32.200000
75%       50.800000
max      100.000000
Name: grad_100_value,
```

Six-Year Graduation Rates

```
count    1849.000000
mean      50.529692
std       20.215658
min        0.600000
25%       36.700000
50%       50.000000
75%       64.100000
max      100.000000
Name: grad_150_value,
```

Six-Year Graduation Rates Per State



-Lowest in New Mexico & Alaska

-Highest in Rhode Island

Web Scraping

- Our goal was to webscrape Rate My Professor to get the data we wanted from all 50 states.
- We started with just Maryland universities and then expanded it to include all states

Rate My Professors Statistics

Variables	Mean	Median
Average Professor Rating	3.529	3.83
Overall Rating	2.647	3.2
Reputation	2.842	3.2
Location	2.856	3.5
Internet	2.63	3.1
Food	2.237	2.6

Rate My Professor Statistics

Continued

Variables	Mean	Median
Library	2.7	3.3
Campus	2.729	3.3
Social	2.839	3.5
Happiness	2.325	2.8
Opportunity	2.359	2.8
Clubs	2.946	3.7

Regression Analysis

- Positive correlation: social, library, and happiness
- Negative correlation: internet, campus, location, and clubs

Conclusion

- Importance of research
- Future research and applications