INSIGHTS FOR THE MODERN UNIVERSITY

Dexian Technical Challenge
Author: James Meredith

Business Problem

Providing insights for the modern university

Data

Analyzing University Data from across the US

Methods

Data Analysis using cutting-edge analytics

Results

Results that drive results

Conclusions

Key-Takeaways for success

Next Steps

A call-to-action for further investigation

MEET THE TEAM

James Meredith

Data Analysis and Data Science Instructor

Business Problem

Our goal was to perform an analysis of higher education institutions throughout the US in order to deliver data-driven insights that enhance institutional performance, student success, and operational efficiency

Data

US News and World Report study on over 1300 American Colleges and Universities

Source: (c) 2016 Galit Shmueli and Peter Bruce.
Compiled from US News and World Report rankings on 1302 American Colleges and Universities

METHODS

Cutting-edge insights, delivered by leveraging cutting-edge tools in Statistics and Data Analysis

RESULTS

States with the Most Universities

CA

California

70

NY

New York

101

PA

Pennsylvania

83

AVERAGE TOTAL ANNUAL COST OF ATTENDANCE

PRIVATE

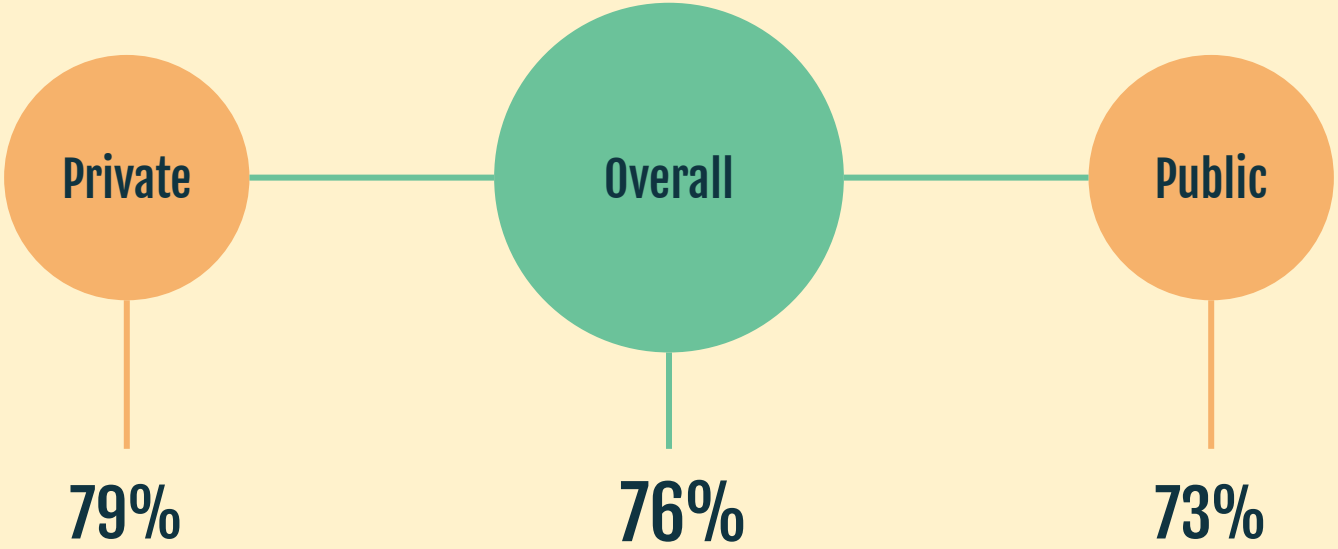
$16,000!

Per Year:

Public

$7,500

Average Acceptance Rate



AVERAGE ENROLLMENT RATES

4,600

Total

Full-time: 77%

Part-time: 22%

What Factors Predicted the Highest Graduation Rates?

- Institution Type - Private vs Public University
- Percent of Student Body from the top 10-25% of their High School Class
- Low Student-Faculty Ratios!

Key Takeaways

- Consider new universities in less-competitive states
- Private universities can charge more than Public, with greater student retention and higher graduation rates
- The number of faculty with PhDs did not strongly predict graduation rates - consider to cut costs!
- Keep student faculty-rates low to maximize student retention and graduation rates!
- Universities with higher quality students retain and graduate more!

THANKS!

Do you have any questions?
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