

Expenses and Revenues of College Sports Teams by Gender

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Daniel Rios

Overview/Problem Statement

- College sport teams are subject to Title IX
- Funds should be distributed equitably by gender
- How many public 4-year universities do not spend an equitable amount of money on their gendered sport teams?

Data Analyzed

- 77 public, 4-year colleges were tested (had more than 2 sports with both a men's and women's team)
- EADA tool from the U.S. Department of Education
- Data includes the following for 2018:
 - college name
 - expenses for each sport by gender
 - revenues for each sport by gender
- [Raw data here](#)



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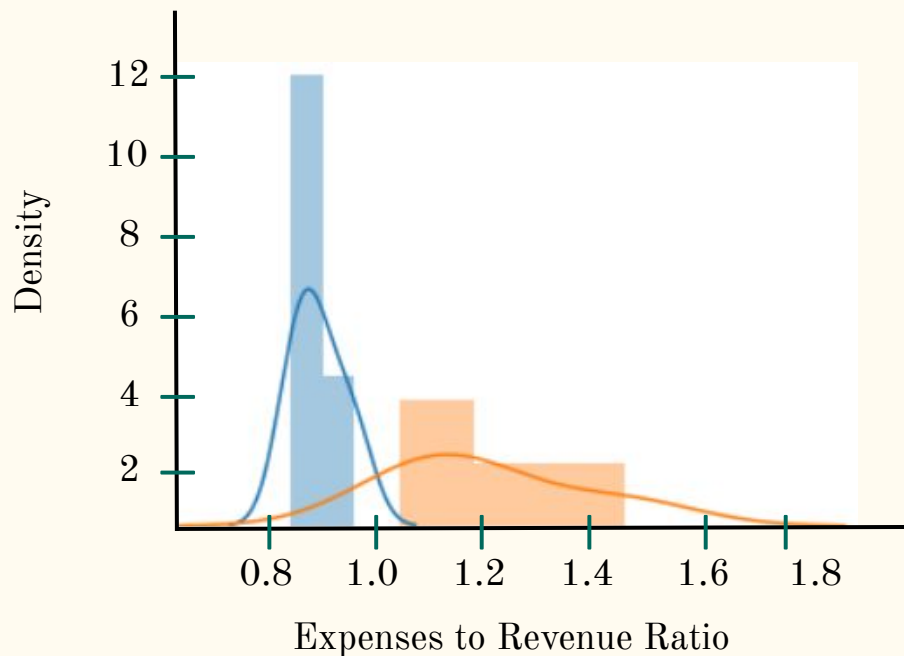
H₀ Null Hypothesis

Public, 4-year colleges' ratio of expenses to revenues is the same for their men's teams and women's teams.

H_A Alternative Hypothesis

Public, 4-year colleges' ratio of expenses to revenues is different for their men's teams and women's teams.

Statistically Significant Difference between Men's and Women's Teams



- 29 of 77 colleges
- For San Diego State University, the difference in means in EtR Ratios between men's and women's teams at the 95% confidence interval is between 0.08 and 0.35
- Translates to an unequal expenditure between 2.9 million and 12.6 million dollars for this specific school

Discussion and Further Exploration

- Sample sizes of each colleges
- Aggregate EtR Ratios across all colleges
- Analyze over time
 - Has the difference in EtR ratios been improving?

Questions?

danielrios610@gmail.com

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