

# *Evaluation of Worthiness of Attending University*

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ECE 143 - Team 8

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# Overview

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- Increasing popularity in attending Universities
- Increasing tuition every year
- Increasing national student loan debts



# Motivation

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Evaluate  
Cost-Effectiveness



Better  
Decision-making

# Methodology



- Tuition and Boarding expenses

- Financial aid

- Starting salary

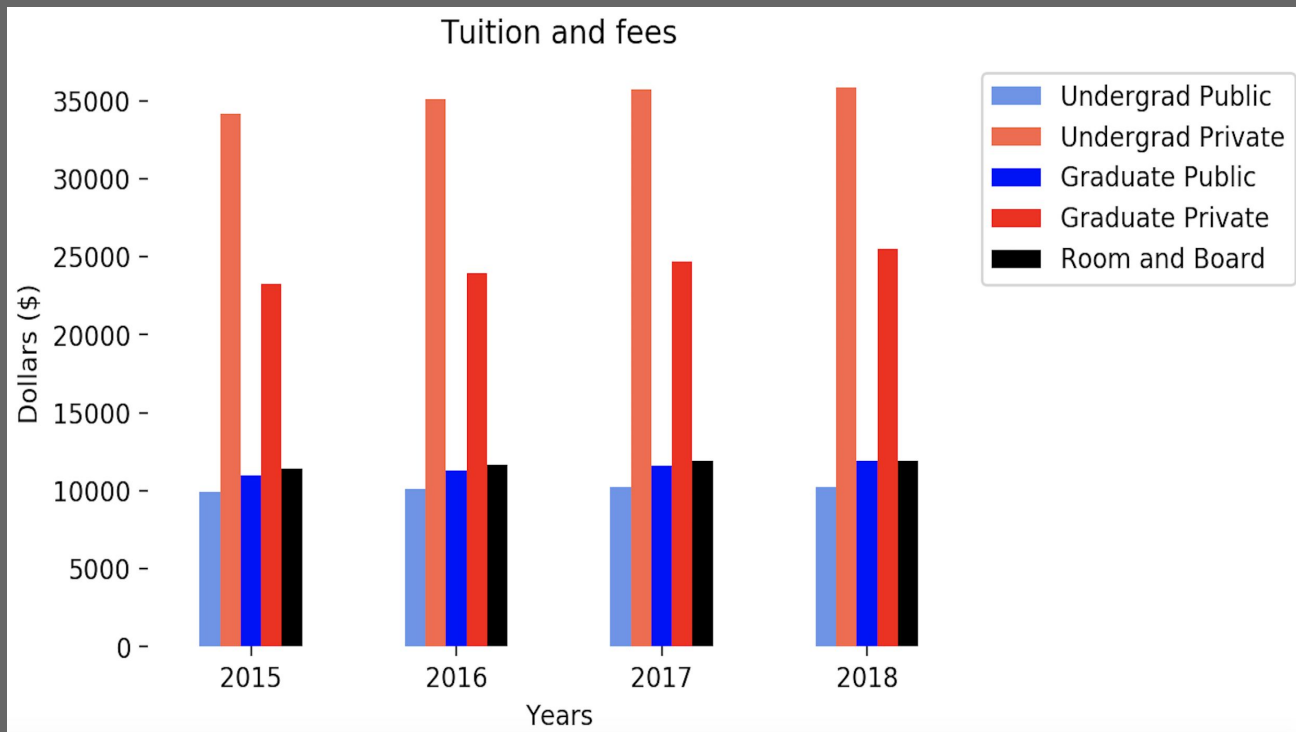
- Analysis and Evaluation

# Resources

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- US Department of Education
- National Center for Education Statistics (NCES)
- College Board Education Trends
- National Association of Colleges and Employers (NACE)

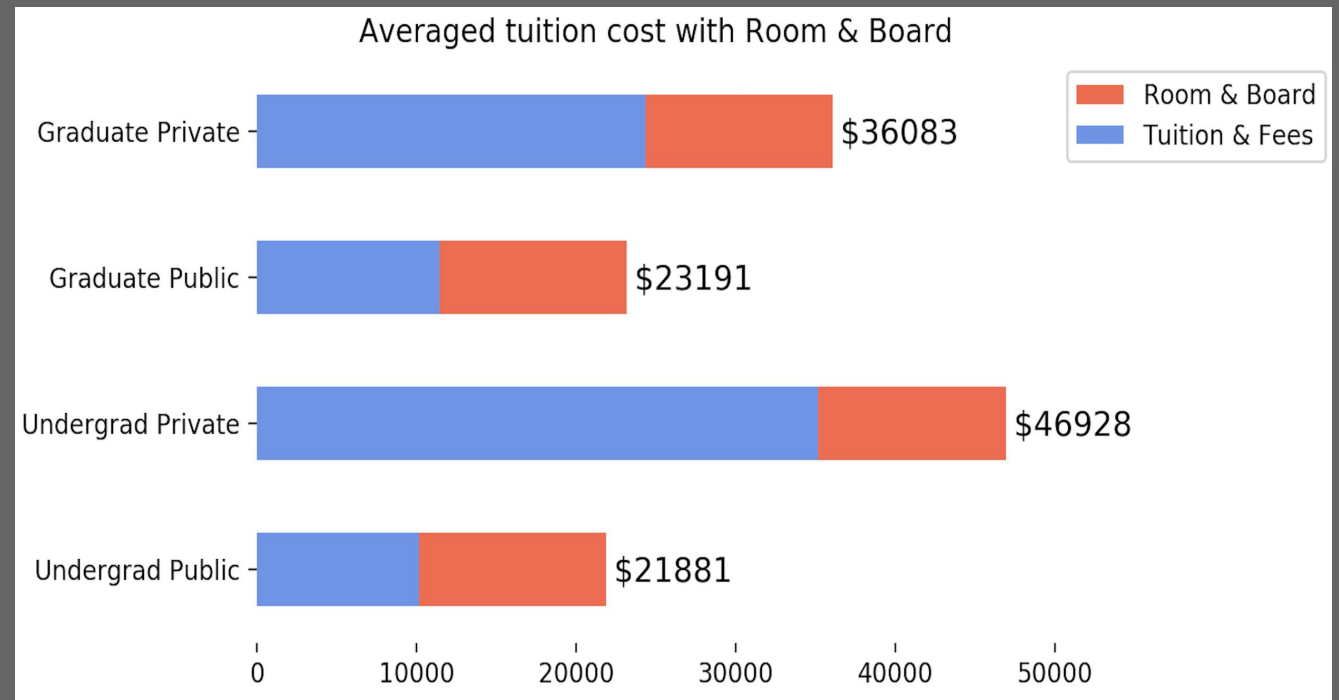
# Tuition and boarding expenses



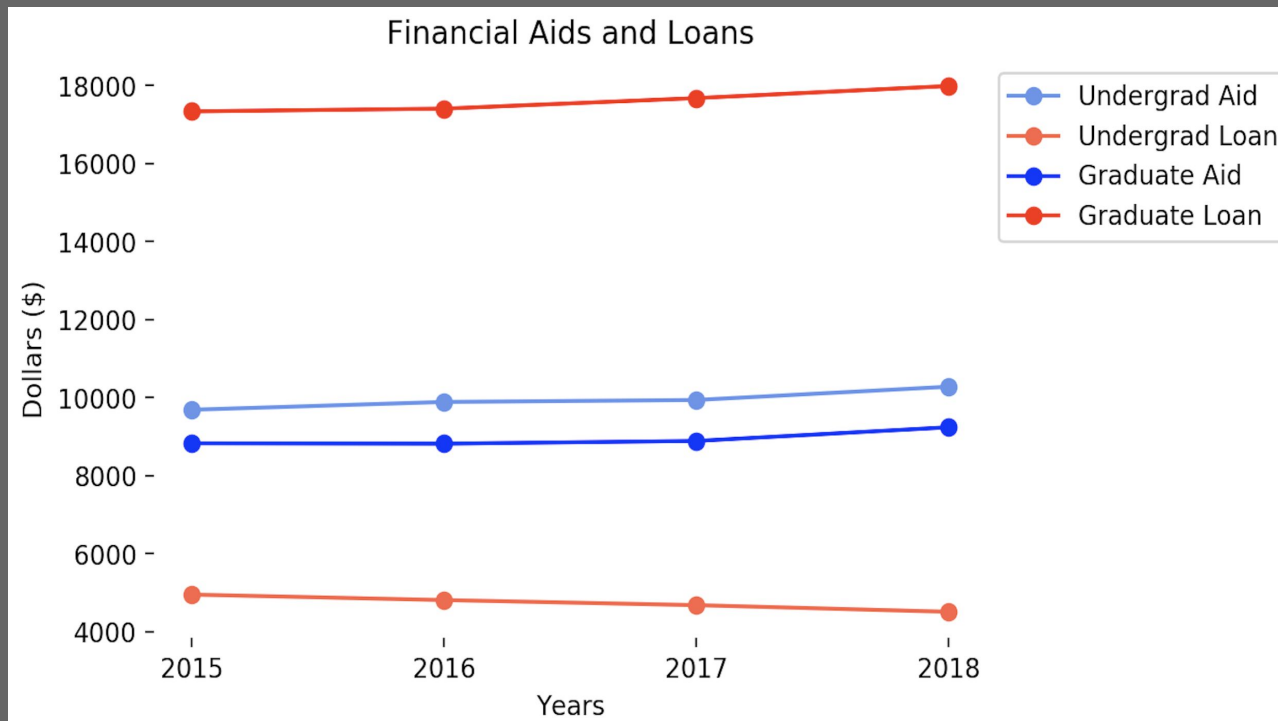
- Increasing annually
- Student in private university has to pay much more
- Undergraduate private most expensive

# Tuition and boarding expenses

- Room & Board is a big portion
- Considering Room & Board, private students pay \$30000 - 50000 per year



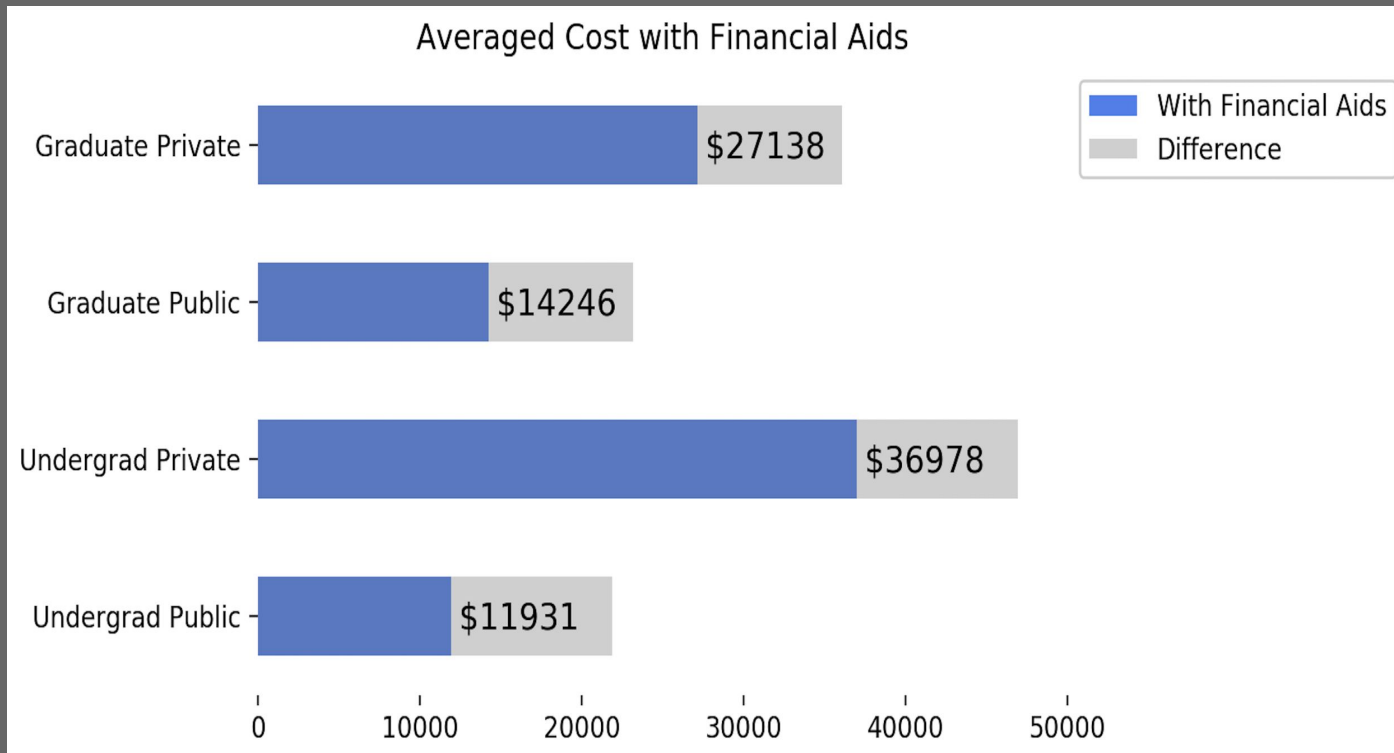
# Financial Aid and Loans



- Students receive financial aid of about \$10000 per year
- Financial loan for graduate students is heavy

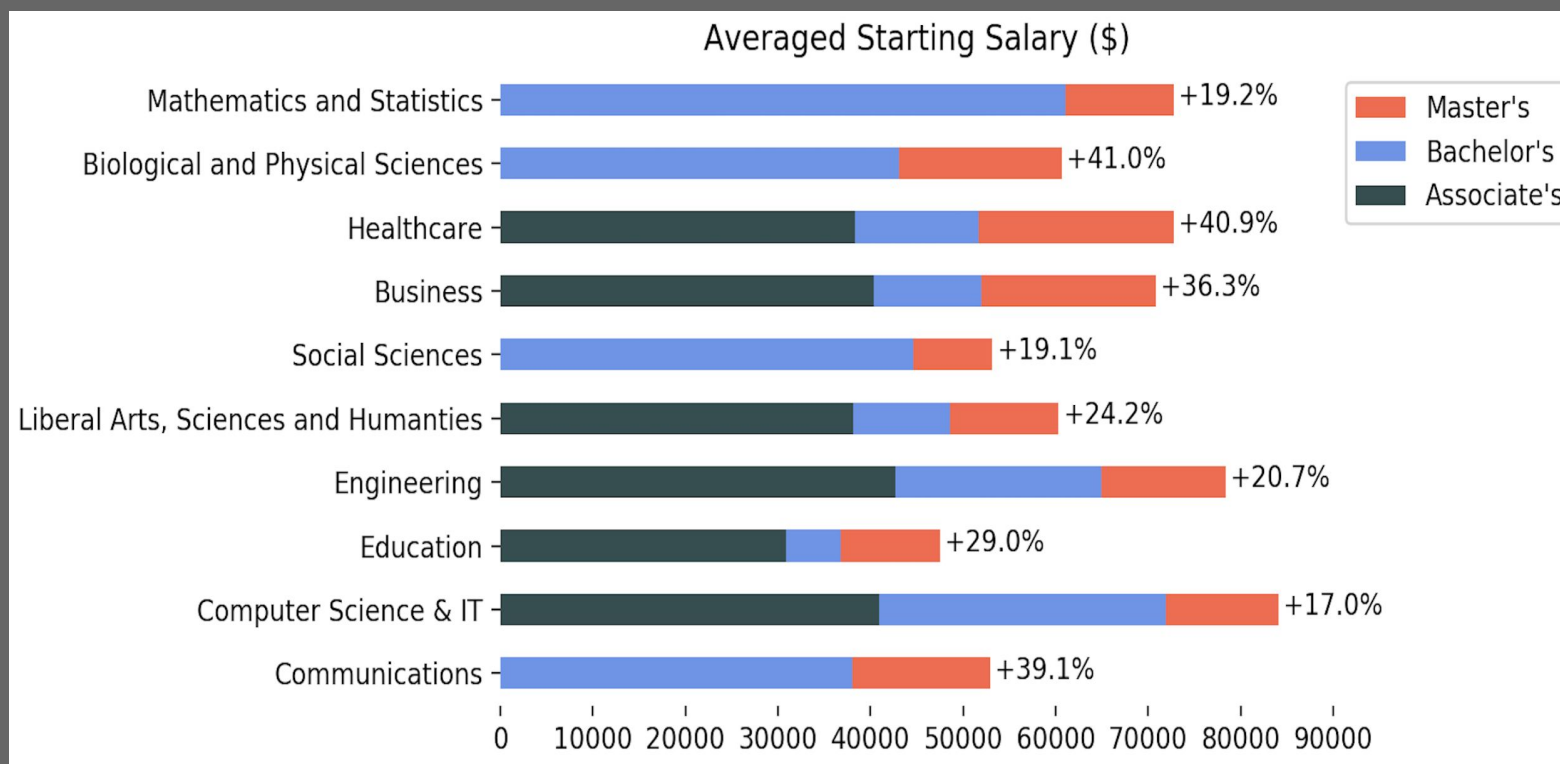


# Averaged Cost with Financial Aids



- Financial aids can alleviate the financial burden to some extent
- Private schools still much more expensive, even with financial aid.

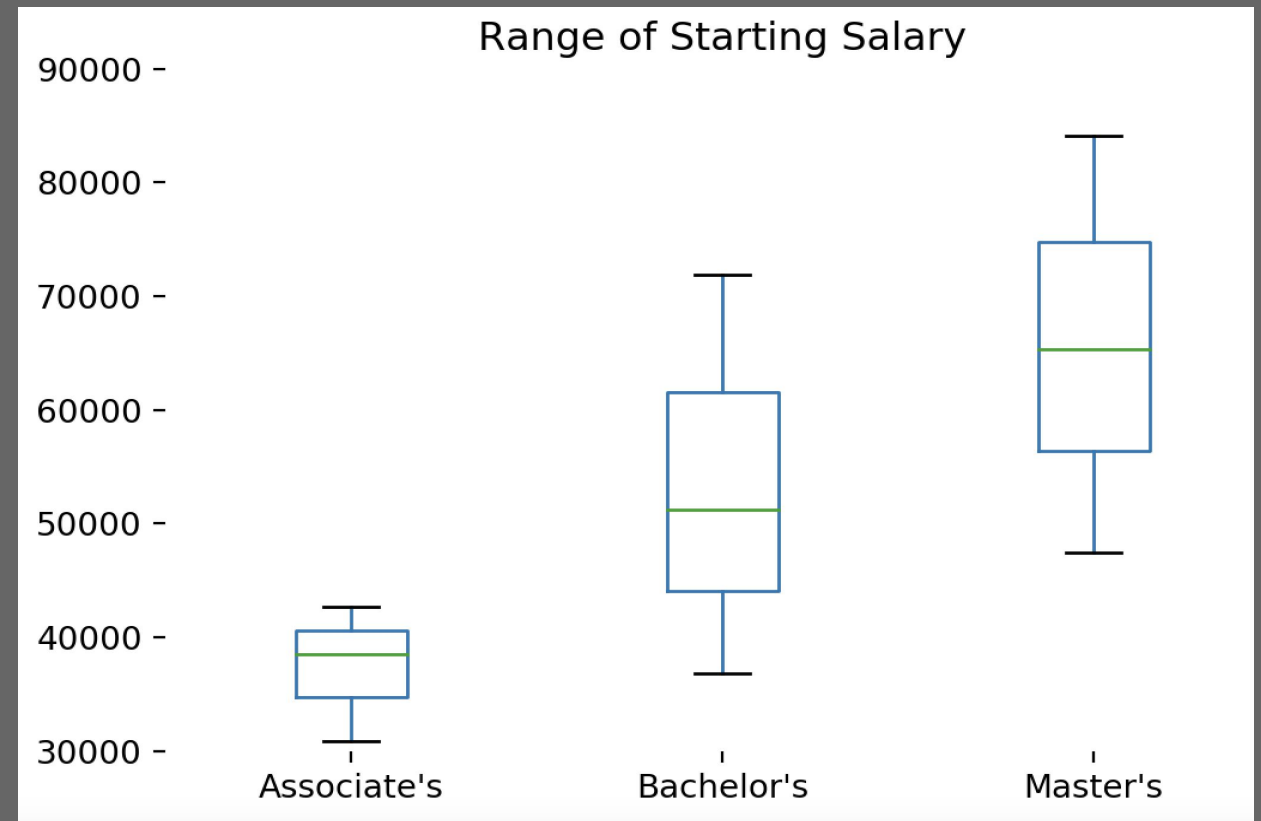
# Average Starting Salary



- Bachelor's starting salary average around \$50k
- Master's starting salary as high as over \$80k
- CS - highest salary  
Education - lowest salary
- 17% - 41% increase for Master's degree

# Starting Salary stats

- Mean, max and min
- Bachelor's significantly higher than Associate's



# Opportunity Cost

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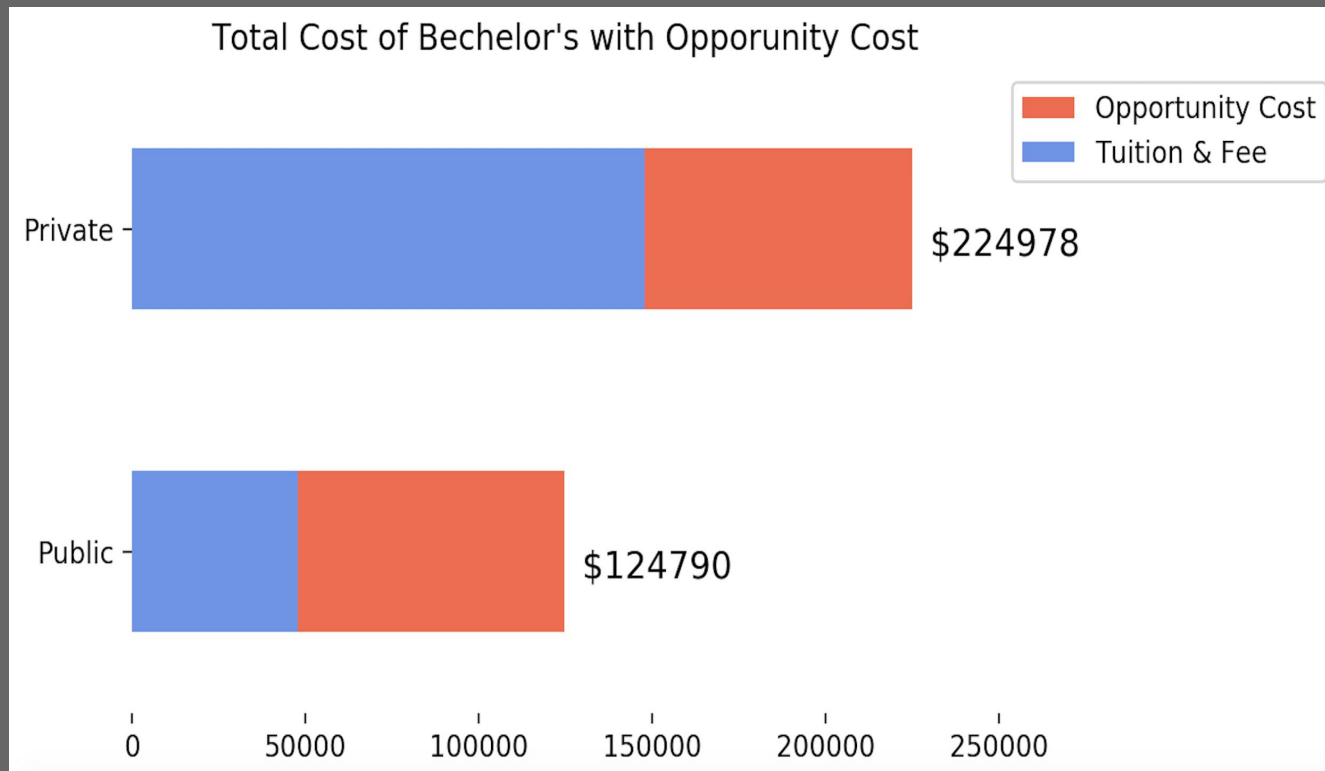
Definition:

the loss of potential gain from other alternatives when one alternative is chosen

Here:

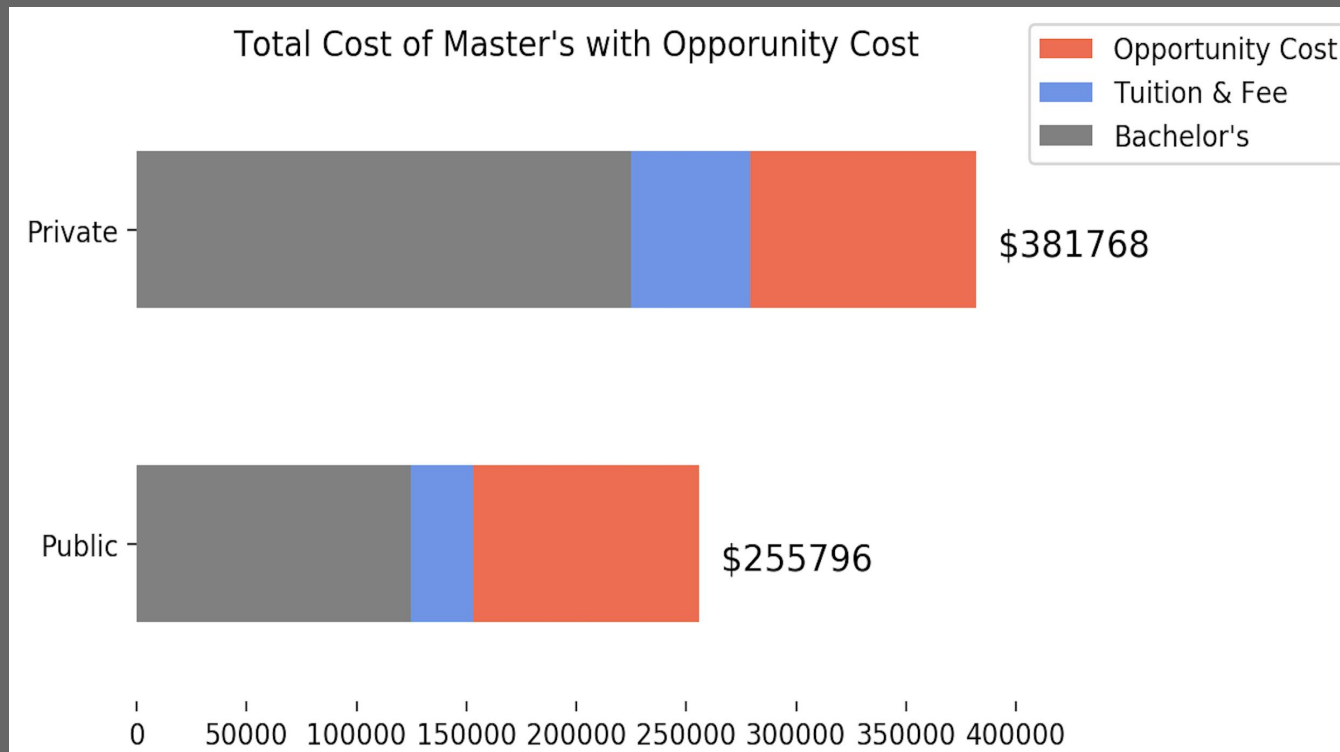
the potential employment and salary loss while attending school

# Bachelor's with Opportunity Cost



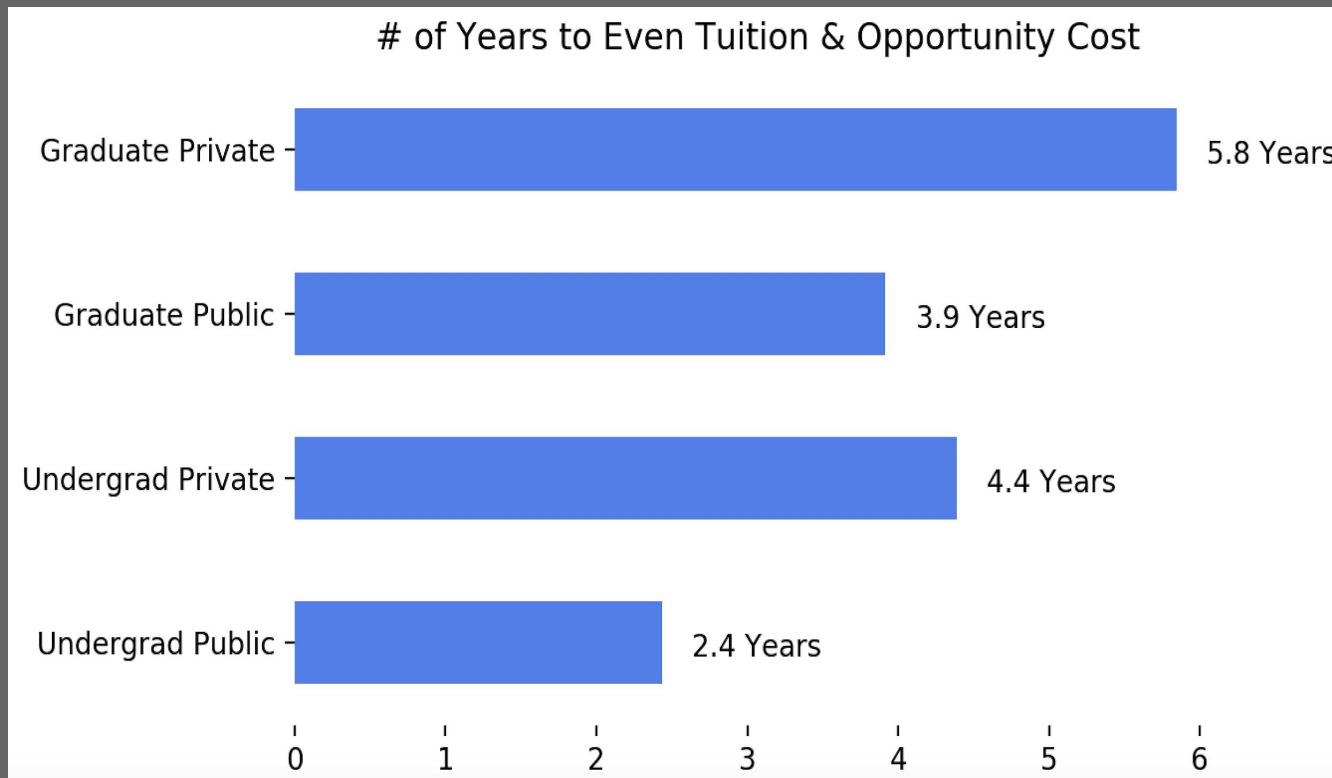
- Potential employment and salary is substantial compared to tuitions
- With opportunity cost, undergraduate student in private university has to pay about \$20,000 per year

# Master's with Opportunity Cost



- Builds on top of Bachelor's cost
- Significantly higher as salary is higher for Bachelor's
- Tuition is small portion now

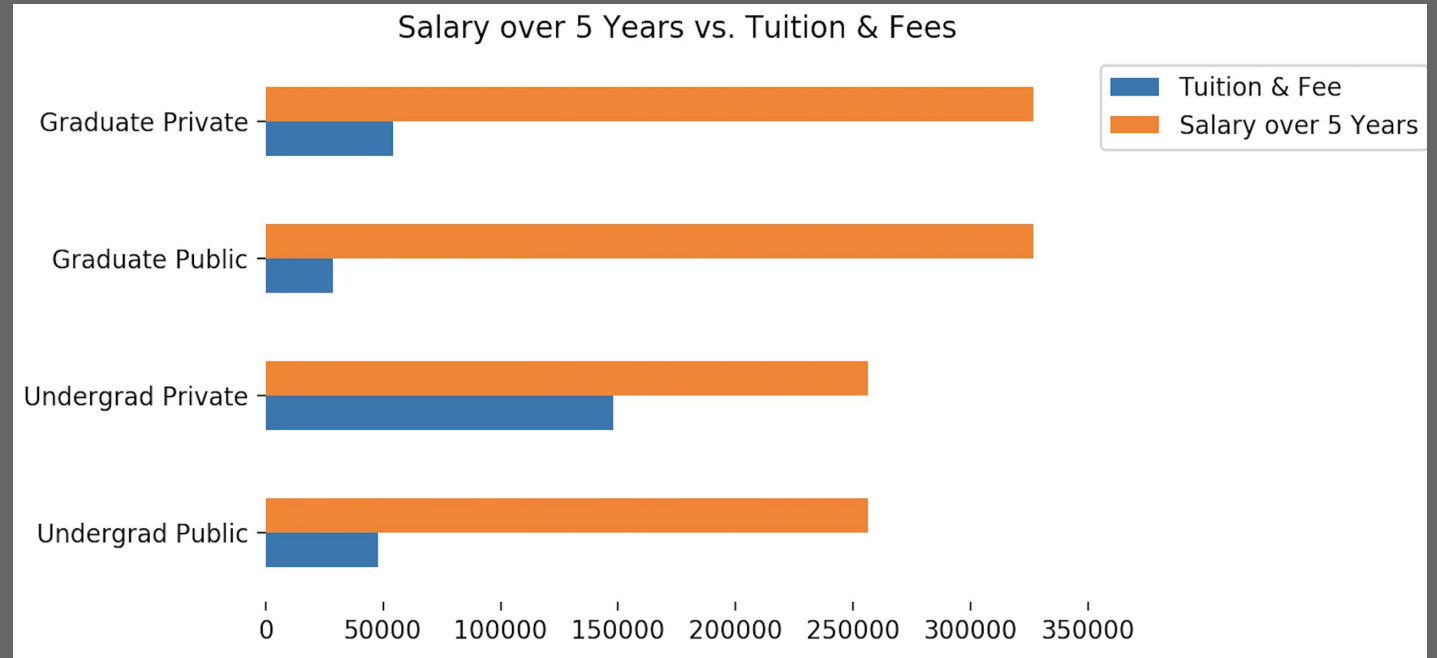
# Cost-Effectiveness Analysis



- Around 2 - 6 years to offset tuition + potential salary loss
- Public schools much more cost-effective

# 5-year Salary vs. Tuition & Fee

- Salary earned over 5 years significantly outweighs financial cost
- Master's degree makes back the cost faster





# Conclusion

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- Bachelor's degree easiest and quickest to offset cost
- Master's degree most cost-efficient in long-term
- Private schools are much higher in costs

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**Thank you!**