



# The Rising Cost of Education:

correlations with inflation, international students, and student debt


Kate Lanman, Tee Tesharojanasup

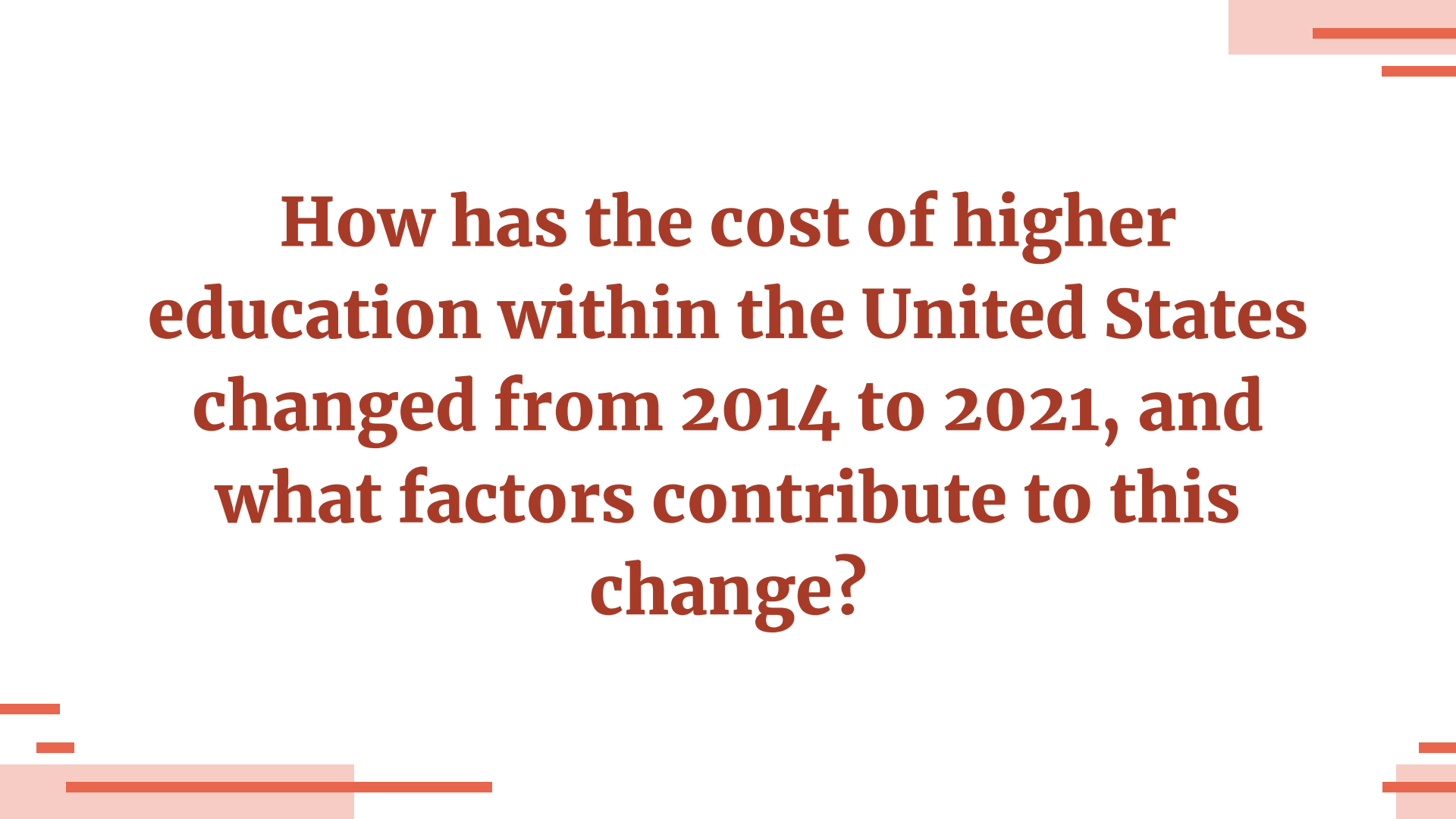




# Introduction

How higher-level education costs have risen over the past few decades and the implications for the accessibility of education.





**How has the cost of higher education within the United States changed from 2014 to 2021, and what factors contribute to this change?**



# The Questions

**01**

**How does the type of school affect the cost of education?**

**02**

**What is the correlation between the cost of education and the number of international students in the United States?**

**03**

**How does the cost of education relate to student loan debt in the United States?**

**04**

**What is the correlation between the cost of education and the inflation rate in the US?**



# The Data

1. Education costs
2. United States inflation rates
3. International students in the United States
4. Student loan debt in the United States
5. Northeastern tuition figures

# Data Science Approaches



## Getting the Data

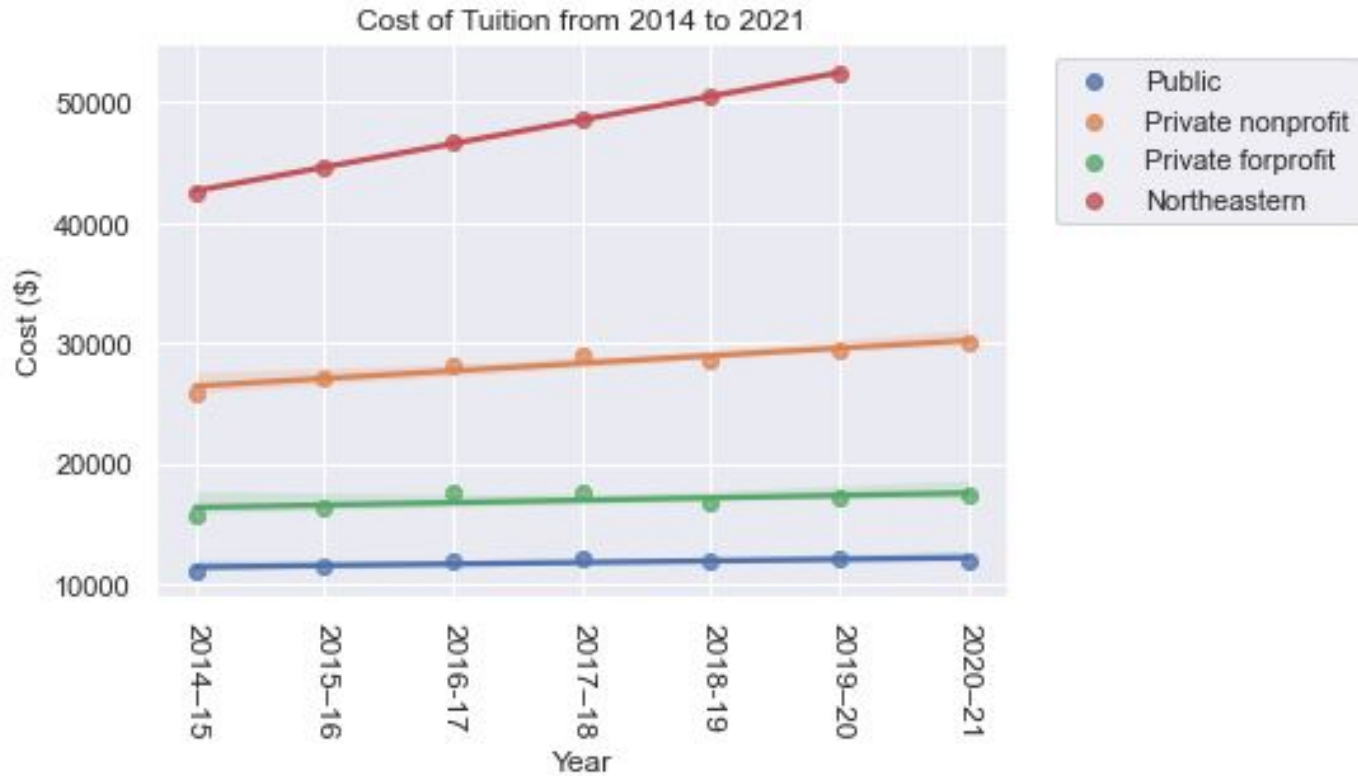
Merging datasets and working broadly with pandas dataframes.



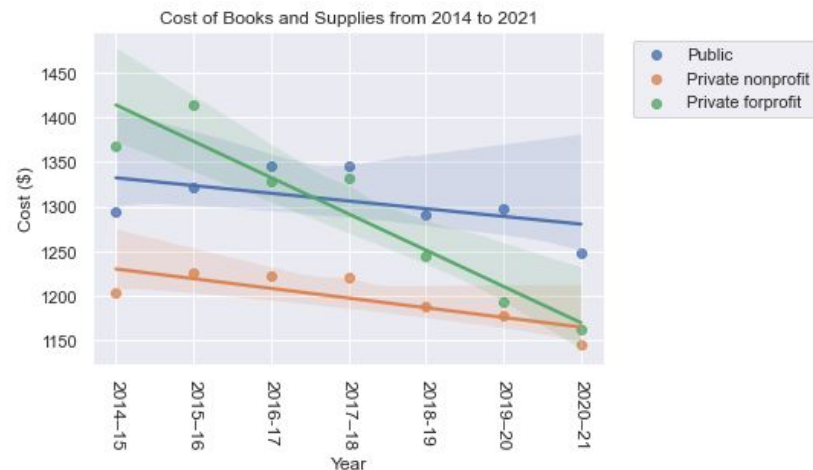
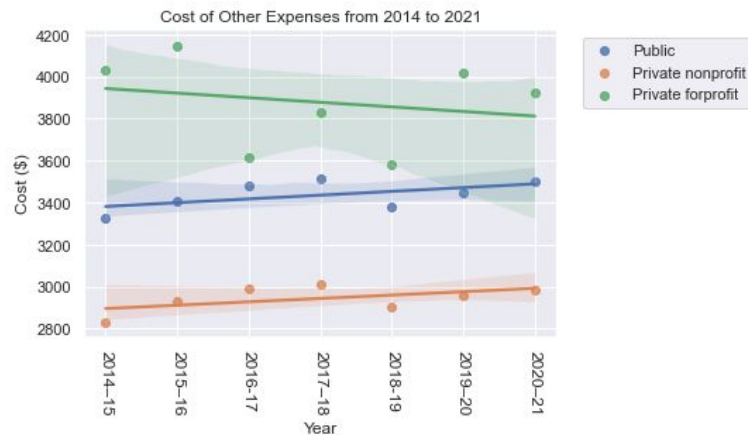
## Data Analysis

Linear regression through matplotlib and seaborn.

# Tuition Costs Over Time

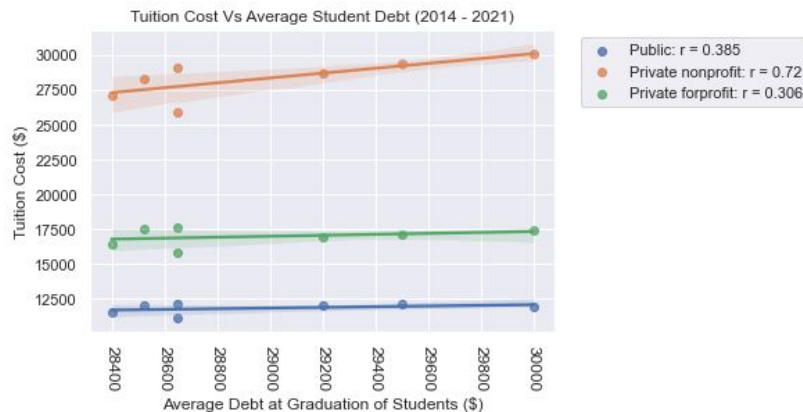
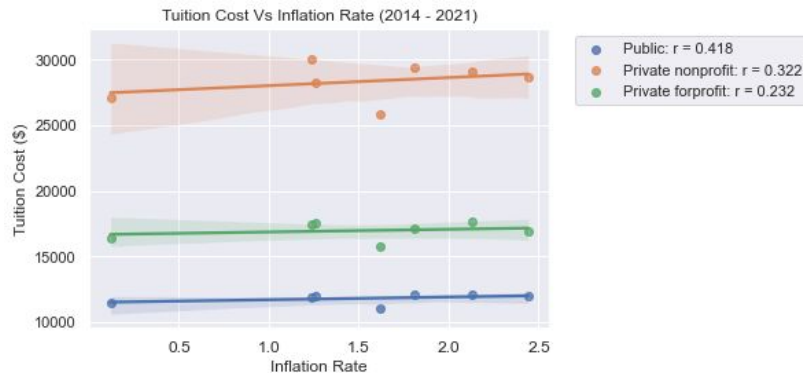
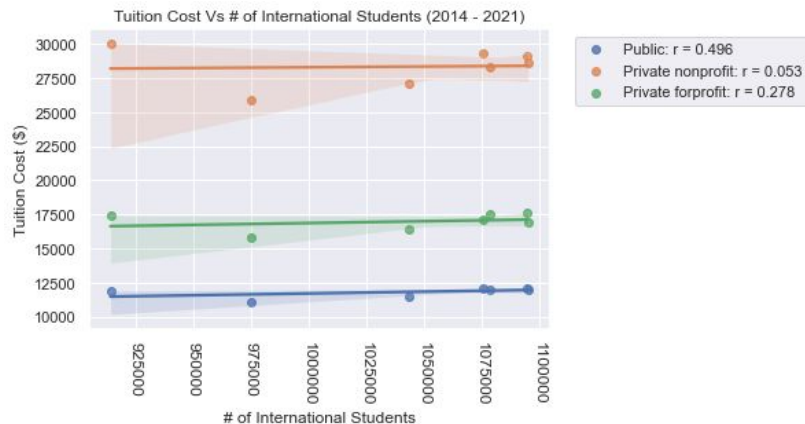


# General Education Costs Over Time






# Correlations with Outside Variables





# Conclusions

Tuition at United States universities has been consistently on the rise.



# Citations

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