

# Gender and Higher Education: An Analysis of IPEDS Data

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**Abstract. Keywords:** data analytics · higher education

## 1 Introduction

I would like to explore the Higher Education Domain. This is my current field, and there is a lot of data available to work with. I will likely use a combination of data sets from the National Center for Education Statistics, IPEDS, and institutional data from the college where I work. Specifically, I would like to look at equity gaps in higher education as they relate to gender and using gender to predict higher education outcomes. The steps to completing this project are defining the problem, collecting and preparing the data, building and evaluating a model, and deploying the model. To address important questions about gender equity in higher education, I will use high-quality data from IPEDS and NCES, appropriate data modeling techniques, and rigorous evaluation of model performance. Because the focus of this research has only one component, gender, it may be subject to contextual and data limitations.

### 1.1 Goals of this Research

Specify exactly your aims of this paper. Also, write a sentence how you will address for each individual goal.

## 2 Data and Methods

Description of the data used in the study

## 3 Results

Presentation of the findings from the data modeling

## 4 Conclusion

Summary of the key findings

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## References

1. <https://nces.ed.gov/ipeds/>
2. <https://nces.ed.gov/>
3. O'Connor, P.: Why is it so difficult to reduce gender inequality in male-dominated higher educational organizations? a feminist institutional perspective. *Interdisciplinary Science Reviews* (2020)