

# **Uncovering Patterns: A Deep Dive into Students' Dropout and Academic Success with Exploratory Data Analysis.**



# Our Agenda



**01**

Our Company



**03**

Research Findings



**05**

Conclusion



**02**

Project Overview



**04**

Recommendations



# 01

## Our Company

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## About Us

- **Jellyfish Technologies** is a new leading technology company founded in 2023.
- We are a proudly **African** company.
- Our team as experience in multiple **industries**.

## Our Vision and Mission

- To create a powerful society group that will lead to exponential growth.
- To provide the best services, delivered with flawless accuracy



## Meet the Team



**Muheez Okunade**  
ML Engineer



**Akor Christian**  
Business Analyst



**Jaco Venter**  
Data Engineer



**Ereshia Gabier**  
Data Scientist



# 02

## Project Overview

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# Introduction

- In today's rapidly changing world, education is a vital part of personal and professional growth.
- Academic failure and student dropout continue to be significant problems globally.
- The prevalence of dropouts has negative social and economic effects.



# Problem Statement

Dropout rates have negative social and economic effects:

1. Lost skill and potential.
2. Shrinking workforce
3. Rise in social stratification.



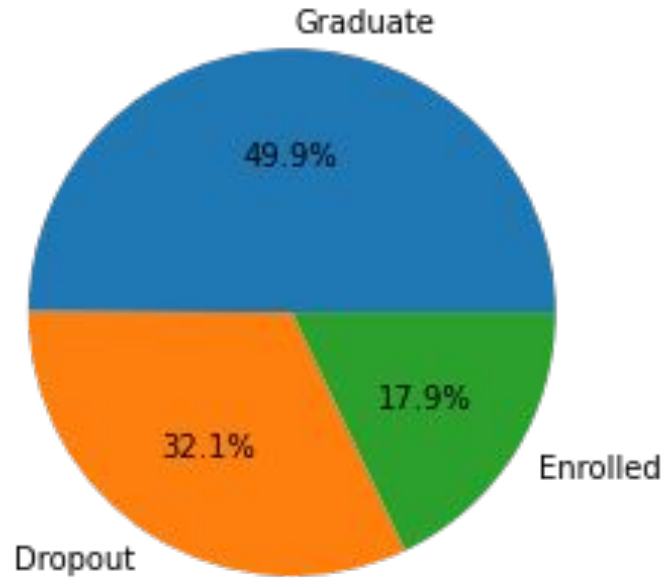


# 03

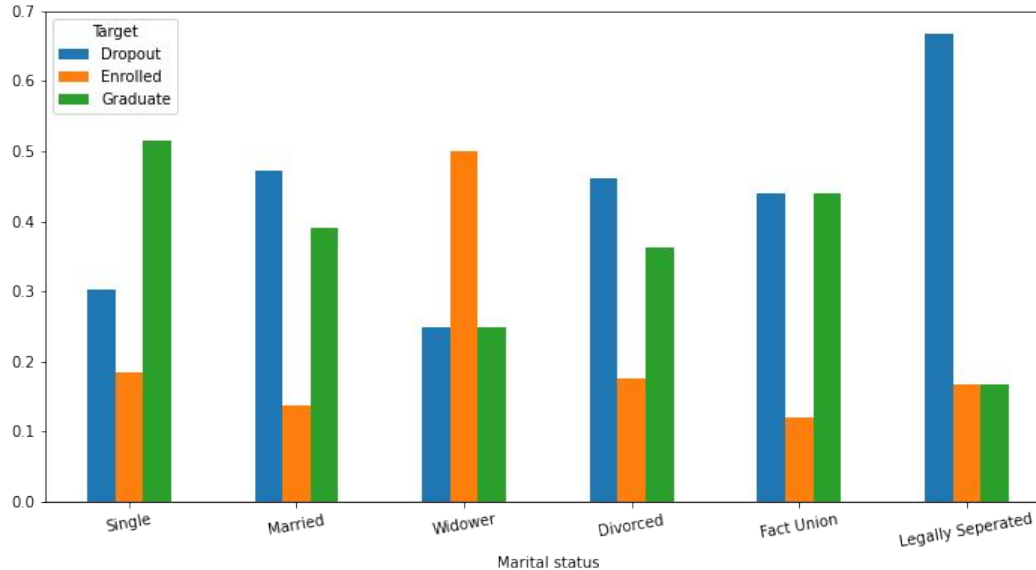
## Research Findings

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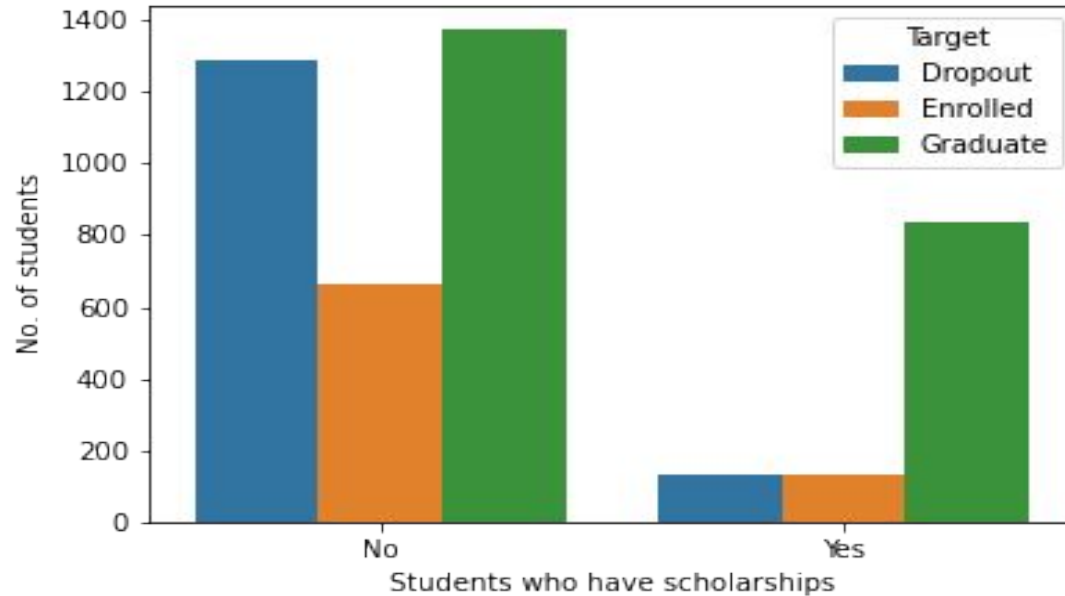
## Dataset Overview



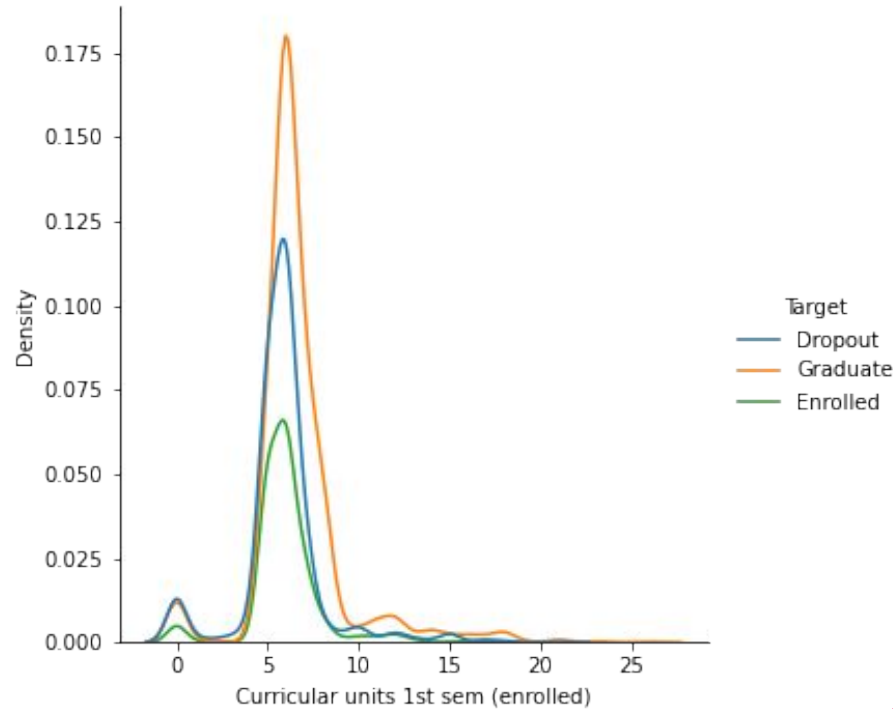
# Analysis of the correlation between marital status and academic success.



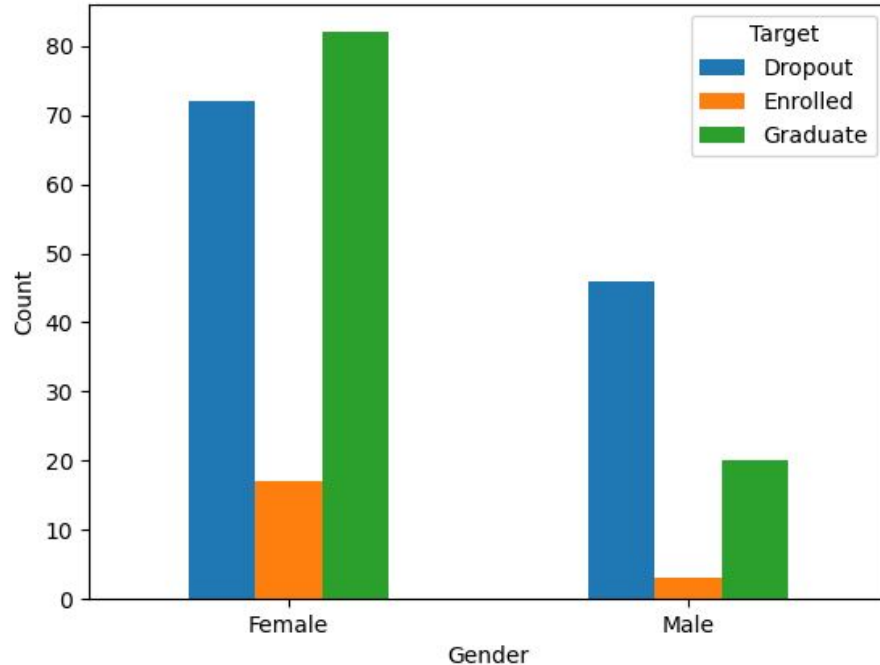
**Compare the academic performance of scholarship holders and non-scholarship holders.**



**Analyse the relationship between the number of curricular units credited or enrolled has on academic success.**



**Investigate the effect of previous qualifications on student performance in higher education, considering other factors such as age, gender and course.**



# 04

## Recommendations

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# Recommendations

- Enlighten stakeholders on possible causes of student dropouts.
- Provision of adequate support for students.
- Provide strategy for students' dropout prevention.





# 05

## Conclusion

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# Conclusion

- The effects of student dropouts can be significant and far-reaching.
- Implement dropout prevention strategies.
- Identification and intervention.





**THANK YOU !**