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

Our Agenda

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Our Company

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

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Project Overview

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.

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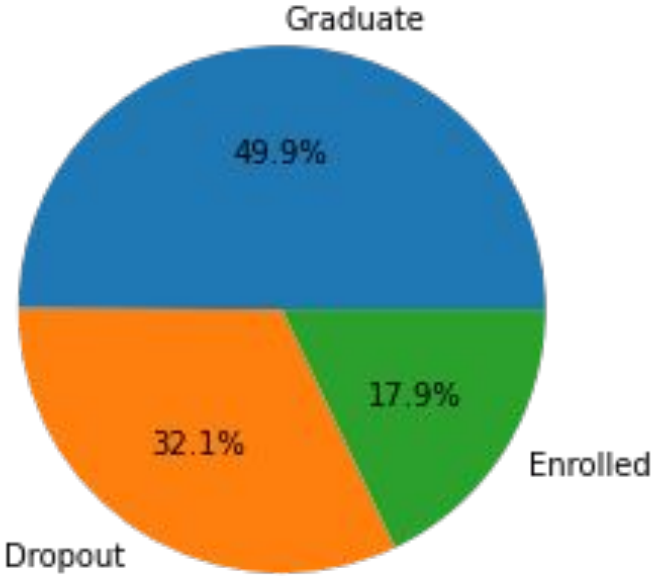
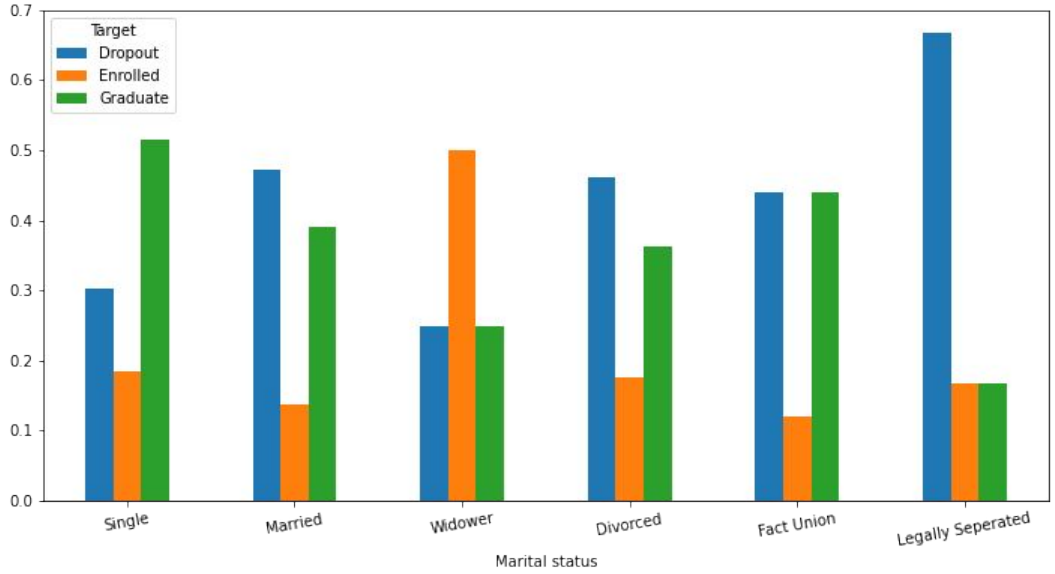
Research Findings

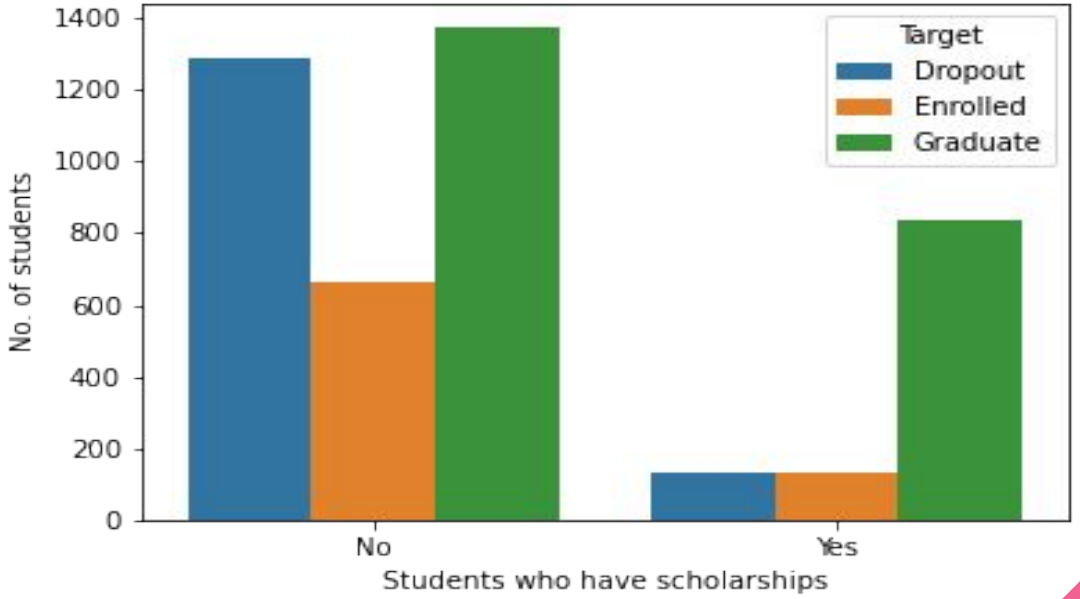
Dataset Overview



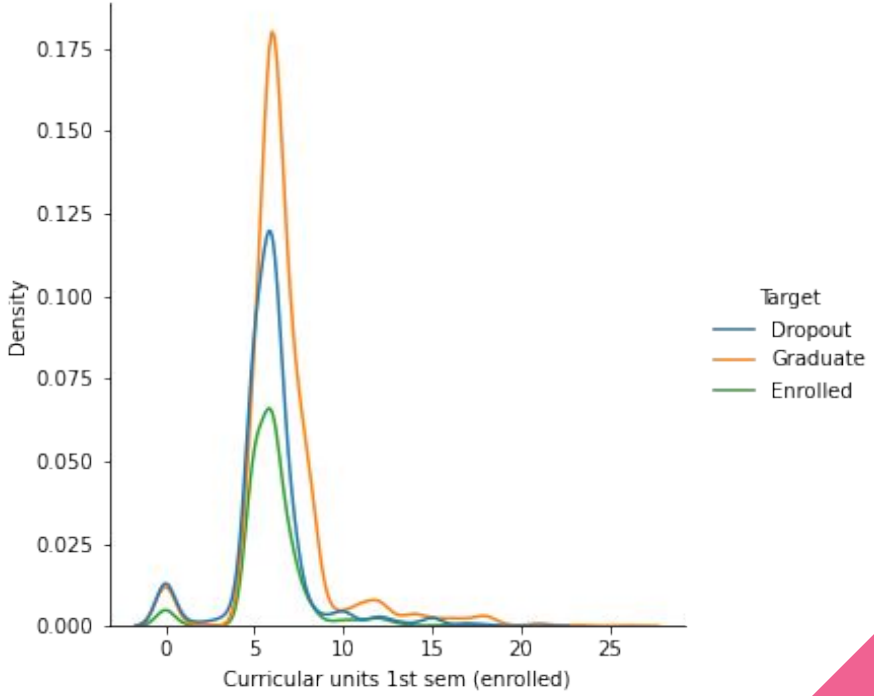
Analysis of the correlation between marital status and academic success.



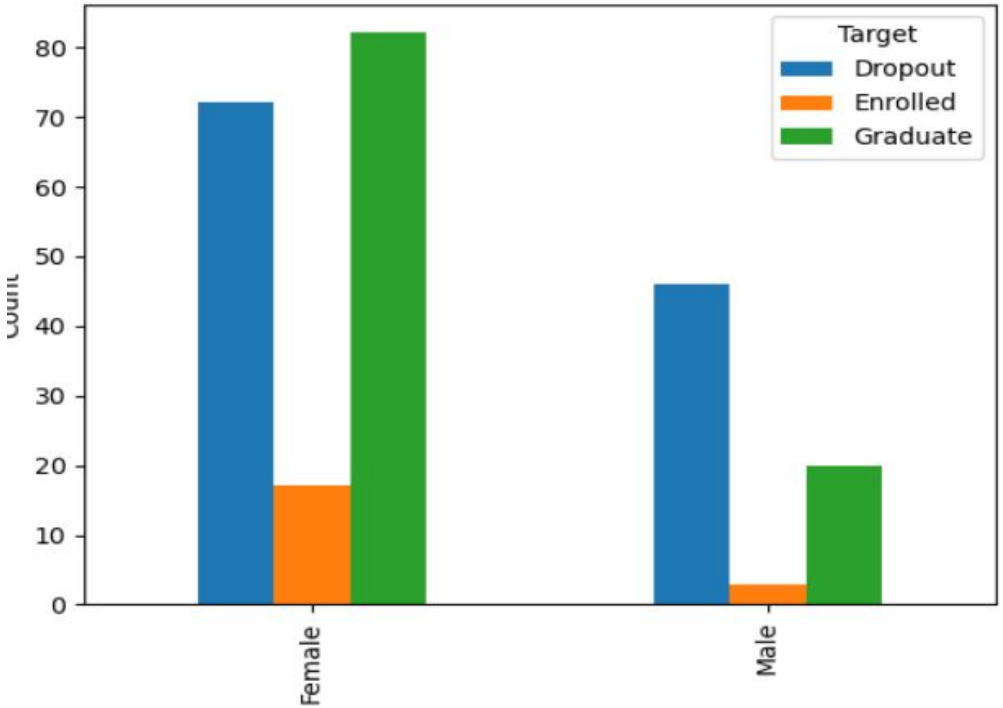
Compare the academic performance of scholarship holders and non-scholarship holders.



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.



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Recommendations

Recommendations

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

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Conclusion

Conclusion

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

THANK YOU !