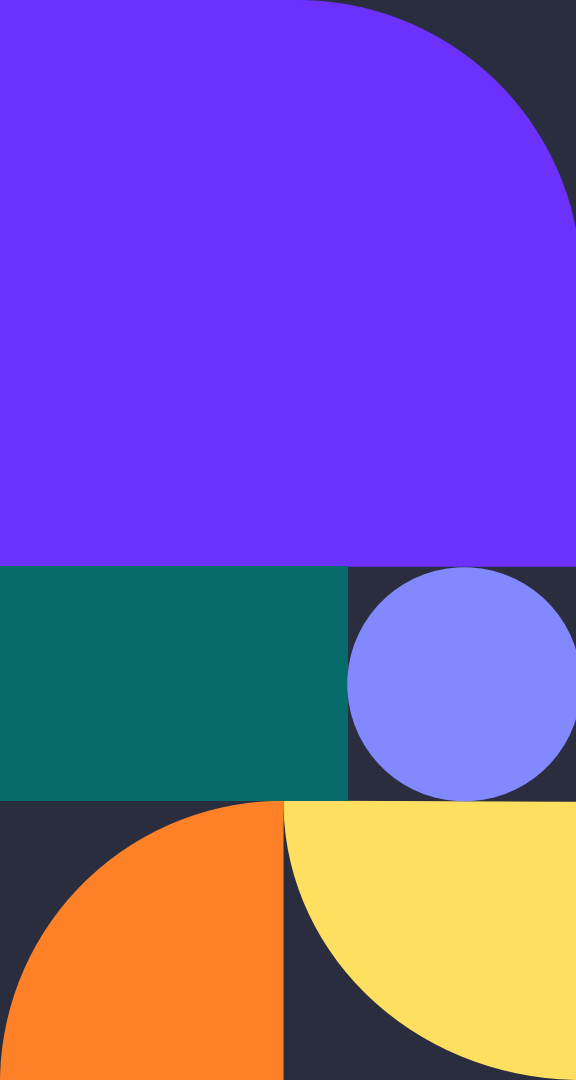
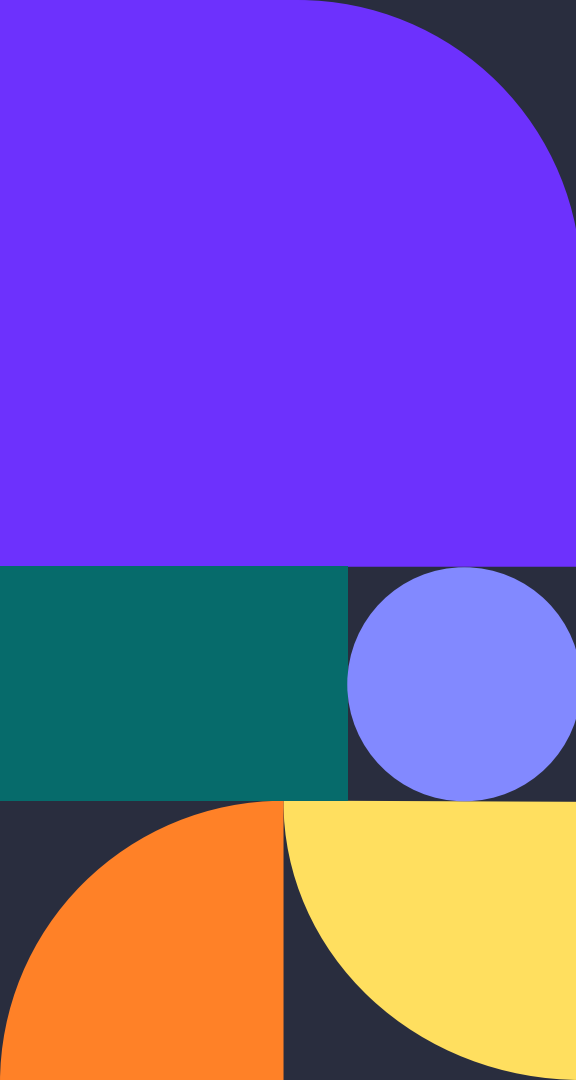




Analyzing Student Dropout & Academic Success Rates



Introduction

- Databases Used: AMS, PAE, DGES, CNAES, PORDATA
- Students enrolled between: 2008/2009–2018/19
- 17 Undergraduate Degrees from different fields such as...
design , education , nursing, journalism, ect.

Biggest Predictors

Biggest predictors

Second Semester Grades

Dropouts

5.90/20
average

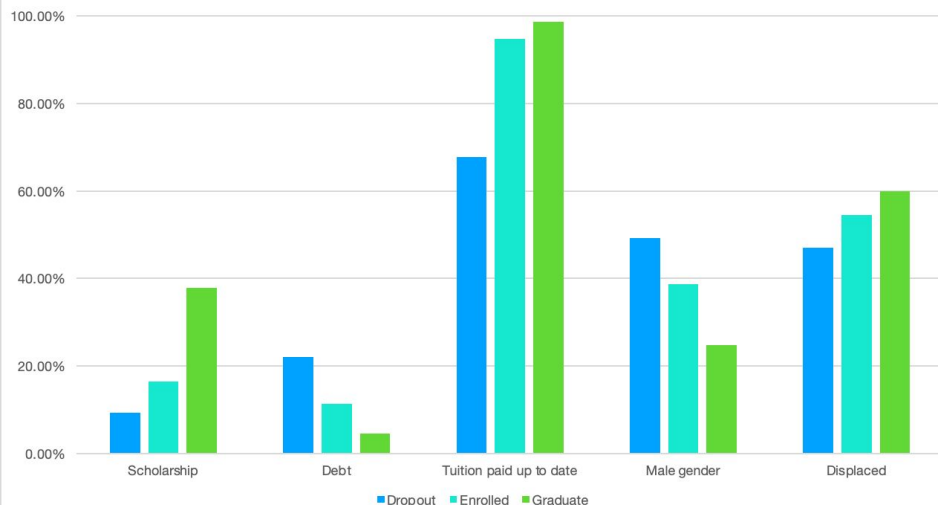
Graduate

12.70/20
average

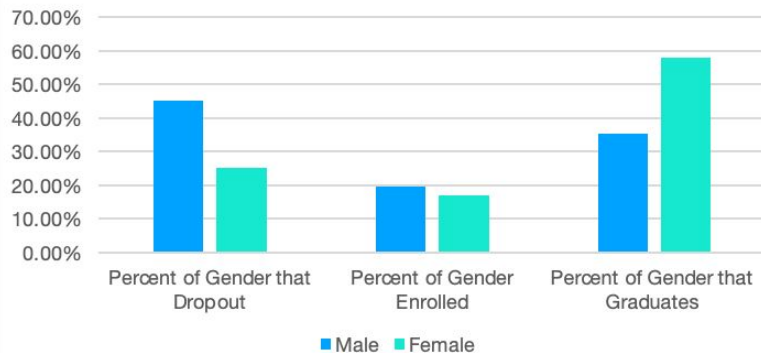
Enrolled

11.12/20
average

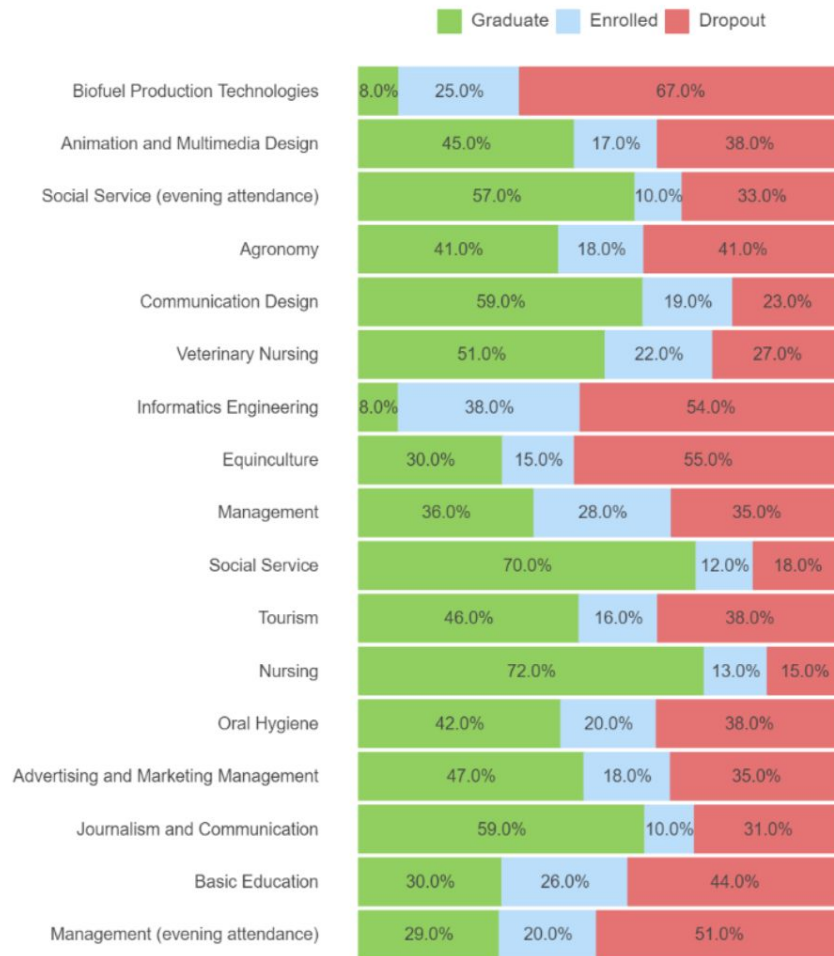
Percent of Attribute by Dropout, Enrolled, and Graduate



Gender Gap: Percent of Gender by Dropout/Enrolled/Graduate



Key Predictors



Biggest Risk Factors



Poor academic performance first semester

Male

Financial (debt, behind on tuition payments, no scholarship)

Parents with lower education levels

Non-traditional (25+ years old)

Lower scores on admission, previous academics



Biggest Predictors of Success

Strong academic performance first semester

Within range of traditional age for college (18–22)

Scholarship recipient

Female

Tuition payments up-to-date

Parents with higher education levels

Overall Conclusions



Financial factors are significant predictors of student success

Displacement (students who moved for school) has a slight positive correlation with academic success

Economic conditions (GDP, unemployment rate) are not impactful factors

Significant gender gap



Denotative Description

**This dataset
categorizes the
information into three
groups**

- Dropouts
- Graduates
- Enrolled

**Each student record
contains 35 variables**

There are 5 main data subsets

- Demographic
- Socioeconomic
- Macroeconomic
- Prior Academic history
- Ongoing Academics

Connotative Evaluation



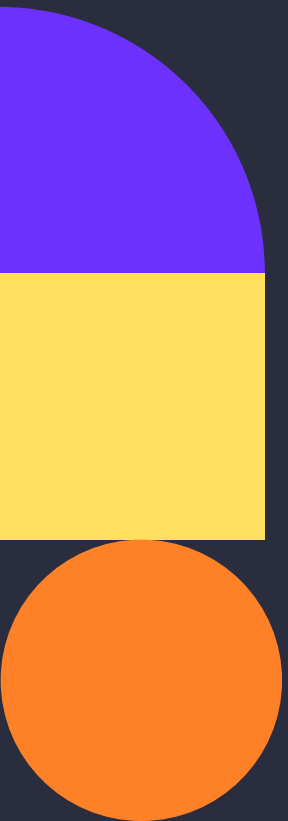
Implications of the data:

01. Connotations of “Student Success” and labeling

- Meaning of “success”
- Ternary measurement of outcomes: success, failure, or neither (yet)

02. Portuguese data company

- “Displacement”
- Scholarships in context of EU



Deconstructive Evaluation

- Anything outside of the classroom
- Mental and physical health
- Data Definition

Thank you