



Entrar

Cadastrar

Esta é uma cópia de uma conversa entre ChatGPT e Anônimo.
[Denunciar conteúdo](#)

Arquivo carregado

Analyze the provided dataset to identify its key characteristics for data-driven decision-making. Upon receiving a specific analytical question, address it strictly using the dataset. Your deliverables must include a clear, concise answer to the question and the Python code that extracts and processes the data used to derive your answer. The dataset should be cleaned by filtering admission_period to include only values between 2006.1 and 2019.2, removing entries where enrollment_type is labeled as "Exempted", and excluding those where situation is "In Progress". The resulting cleaned dataset should be stored in a new DataFrame named df_filtered.

I'll start by loading the dataset and inspecting its structure. Then, I'll clean the data according to your specified criteria. Let's begin.

The dataset contains 30,130 entries and 34 columns. Based on your cleaning criteria, I will:

1. Filter admission_period to only include values between 2006.1 and 2019.2.
2. Remove entries where enrollment_type is "Exempted".
3. Exclude rows where situation is "In Progress".

I will now apply these filters and create a new DataFrame named df_filtered. [↵]

The cleaned dataset, df_filtered, now contains 16,562 entries. It's ready for analysis.

Please provide a specific analytical question you'd like me to address using this dataset. [↵]

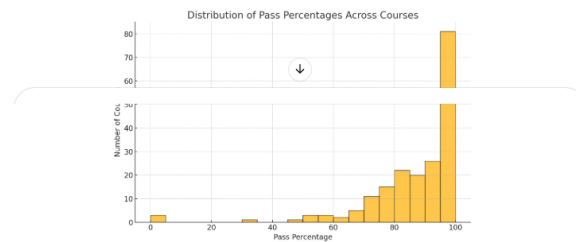
Calculate the percentage of students who passed each course, verifying whether the pass/fail criteria are consistent across different courses and programs.

To calculate the percentage of students who passed each course, I'll:

1. Define "passing" as students whose situation is "Approved".
2. Count the total enrollments and approved enrollments for each subject_name.
3. Compute the pass percentage for each course.
4. Check for variations in pass/fail criteria across courses and programs by examining distribution patterns.

I'll proceed with the calculations now.

The analysis shows that some courses have a 100% pass rate, but this might be due to small sample sizes. To better verify consistency in pass/fail criteria across courses, I'll check the distribution of pass percentages and examine variations across programs. [↵]



The histogram shows that most courses have high pass rates, with some clustering at 100%. However, there might be outliers or courses with significantly lower pass rates. Next, I'll analyze pass percentages by program (sector) to check for consistency. [↵]

The pass rates vary significantly by academic unit:

- Some units, like Arts, Chemical Engineering, and Production Engineering, have 100% pass rates, possibly due to small sample sizes.
- Sociology, Letters, and Administration have pass rates around 85-90%, indicating relatively lenient grading or higher student performance.
- Mathematics and Statistics show lower pass rates (~55-70%), possibly reflecting more rigorous grading or challenging coursework.
- Agricultural Engineering has a 0% pass rate, likely due to missing data or course structure differences.

This variation suggests that pass/fail criteria or student performance differs across disciplines. Would you like to explore any specific academic unit or subject further? [↵]

Envie uma mensagem para o ChatGPT

Anexar

Voz

O ChatGPT pode cometer erros. Considere verificar informações importantes.

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