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Esta é uma cópia de uma conversa entre ChatGPT e Anônimo.  
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📎 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 to understand its contents. Then, I'll clean it according to your specifications. Let's proceed.

The dataset contains 30,130 entries and 34 columns. Key columns relevant to filtering include:

- **admission\_period** (float64): Needs to be between 2006.1 and 2019.2.
- **enrollment\_type** (object): "Exempted" entries should be removed.
- **situation** (object): Entries labeled as "In Progress" should be excluded.

Now, I'll proceed with cleaning the dataset as per your requirements. [↗]

The cleaned dataset, **df\_filtered**, now contains **16,563** entries while retaining all 34 columns. Let me know the specific analytical question you'd like me to address using this dataset. [↗]

What are the maximum and minimum ages recorded for students at the time of dropout, and how do these values compare to the mean and standard deviation of student ages in the program?

I'll analyze the **dropout\_age** column to determine the minimum, maximum, mean, and standard deviation of student ages at the time of dropout. Let's compute these statistics.

Here are the dropout age statistics for students in the program:

- **Minimum Age:** 17 years
- **Maximum Age:** 48 years
- **Mean Age:** 23.62 years
- **Standard Deviation:** 3.16 years

This indicates that most students drop out in their early to mid-20s, with some outliers dropping out as young as 17 or as old as 48. Let me know if you need further insights! [↗]

Envie uma mensagem para o ChatGPT

📎 Anexar

🗣 Voz

O ChatGPT pode cometer erros. Considere verificar informações importantes.

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