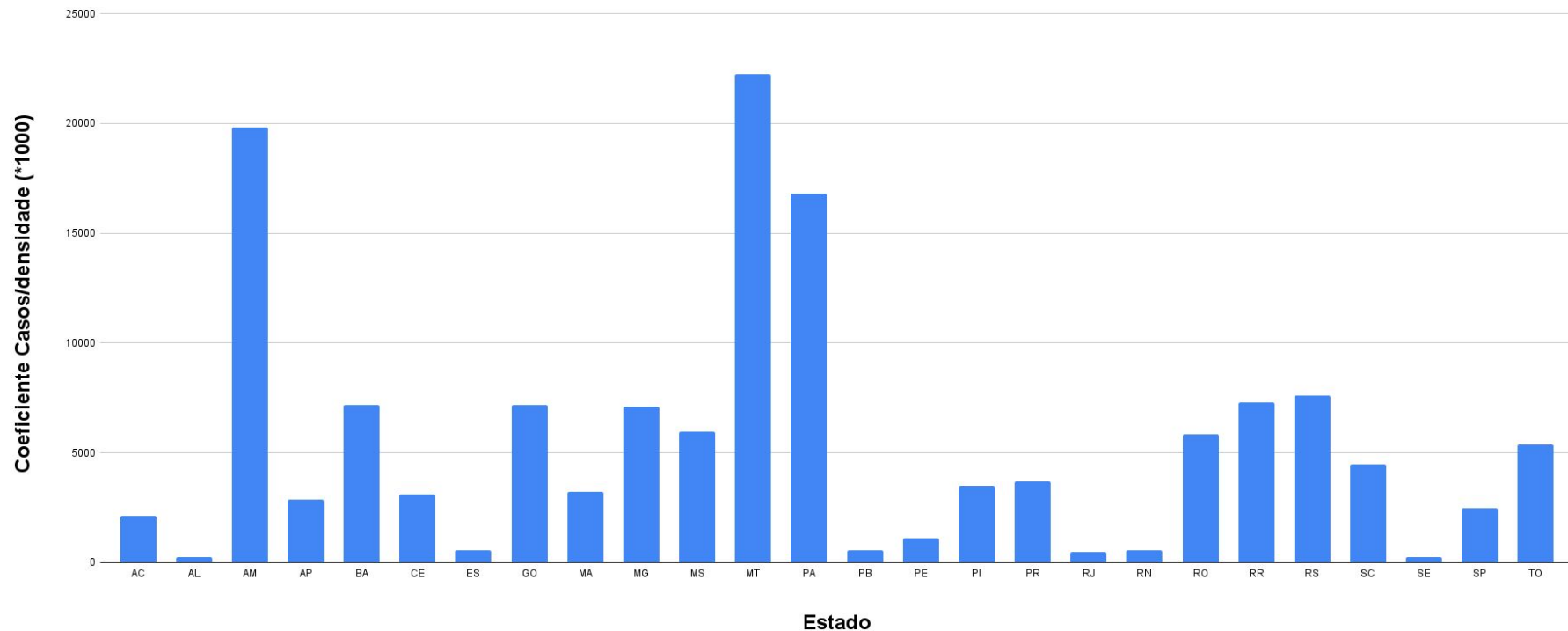


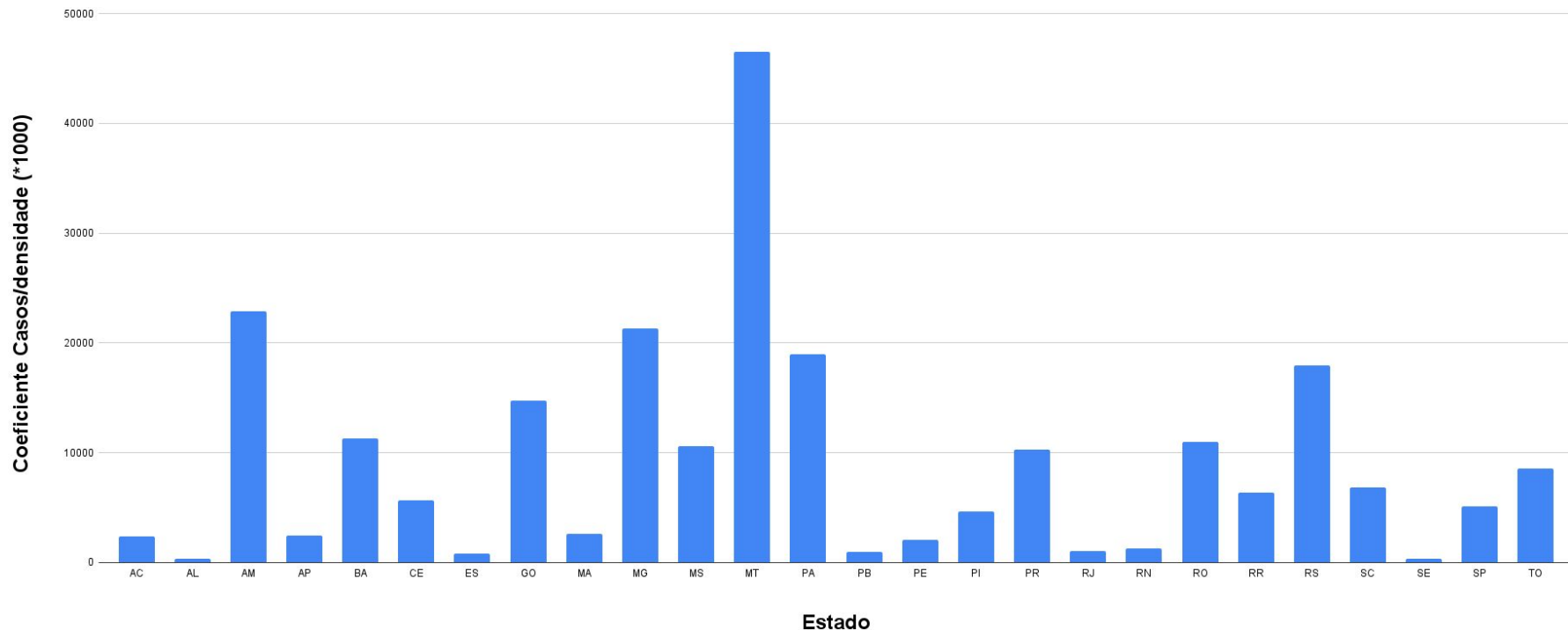
# Correlações e Resultados DataSet Covid19

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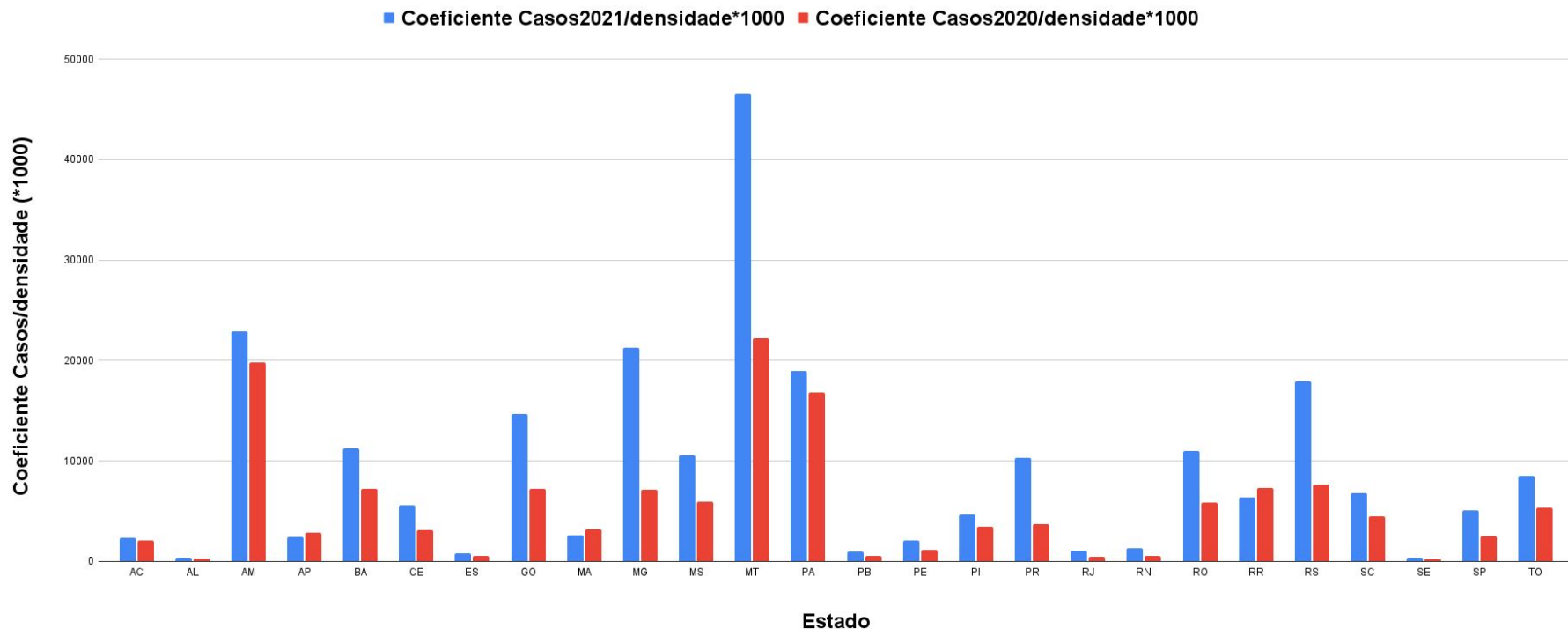
# Coeficiente: Casos (2020) e Densidade Populacional:



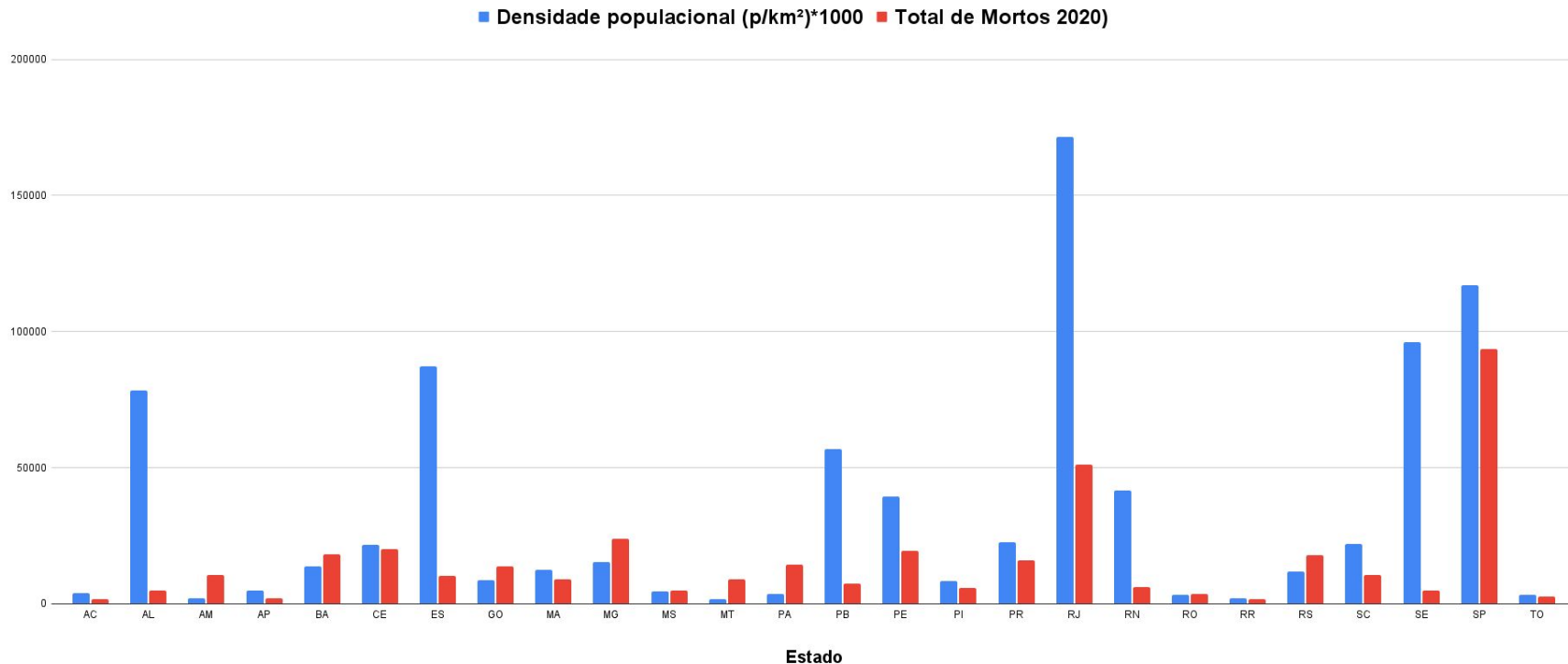
# Coeficiente: Casos (2021) e Densidade Populacional:



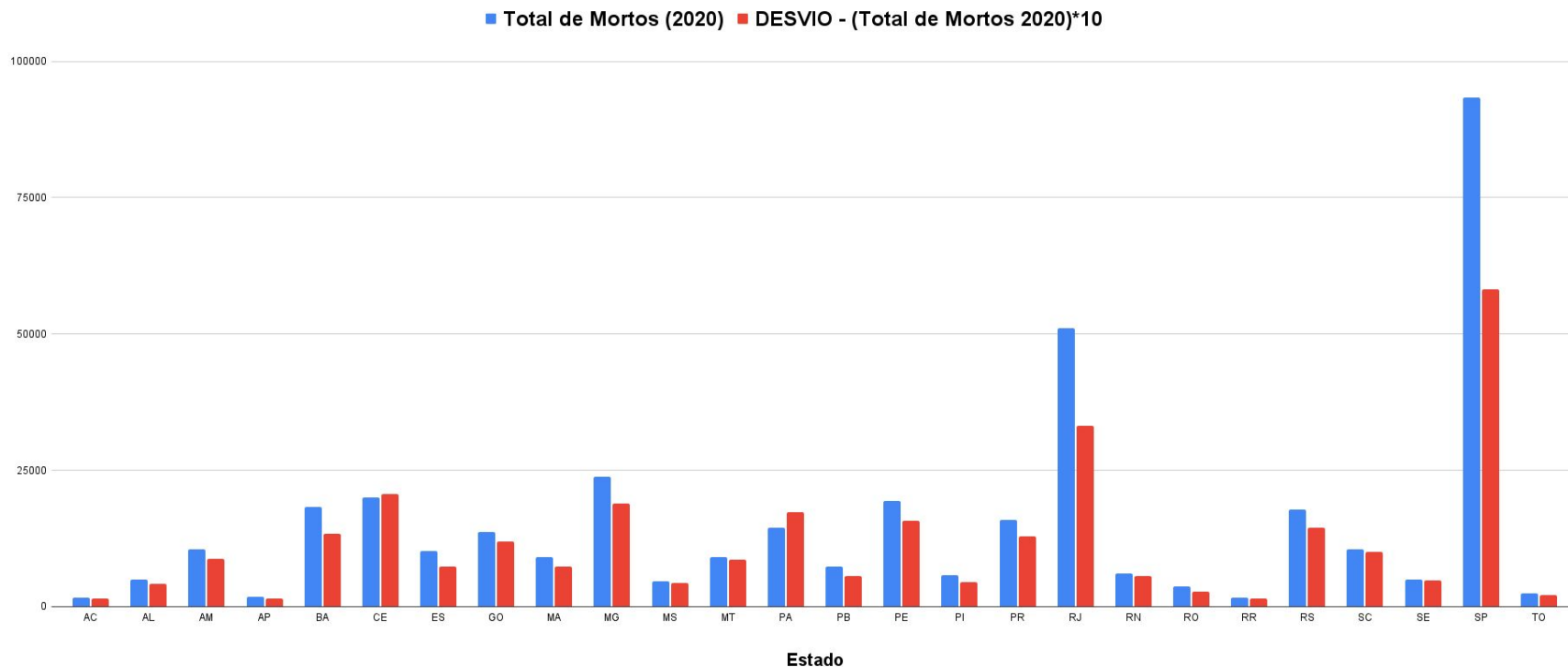
# Correlação: Coeficiente de casos (2020 e 2021):



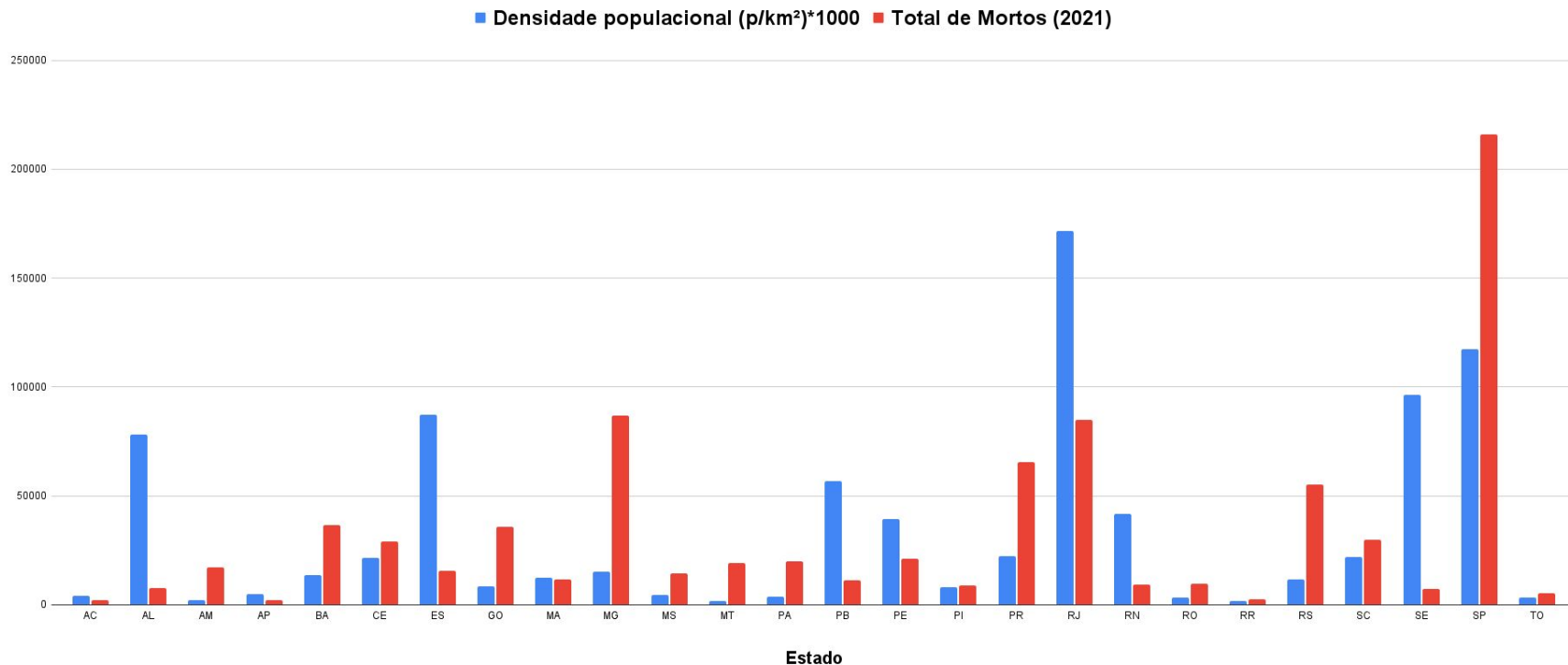
# Correlação: Total de Mortos (2020) e Densidade Populacional



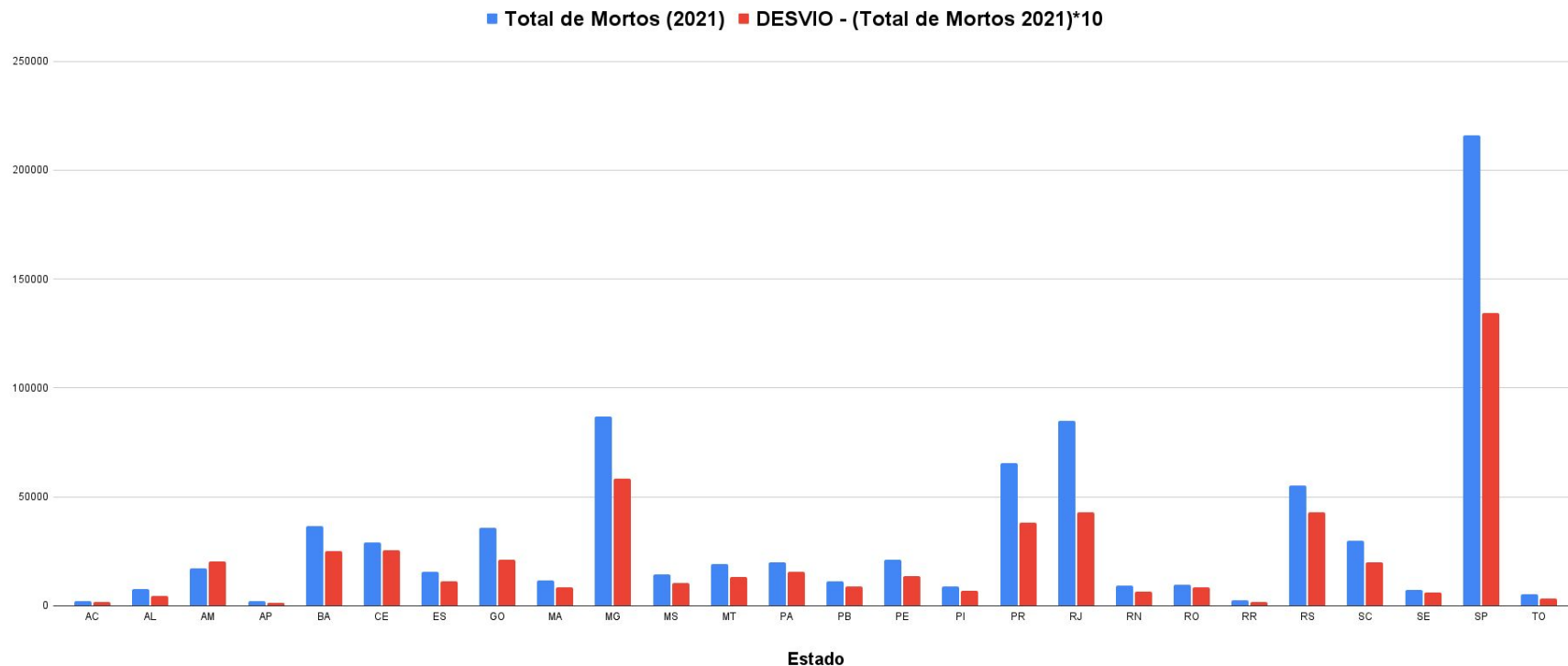
# Correlação: Total de Mortos (2020) e Desvio Padrão de mortos (2020)



# Correlação: Total de Mortos (2021) e Densidade Populacional

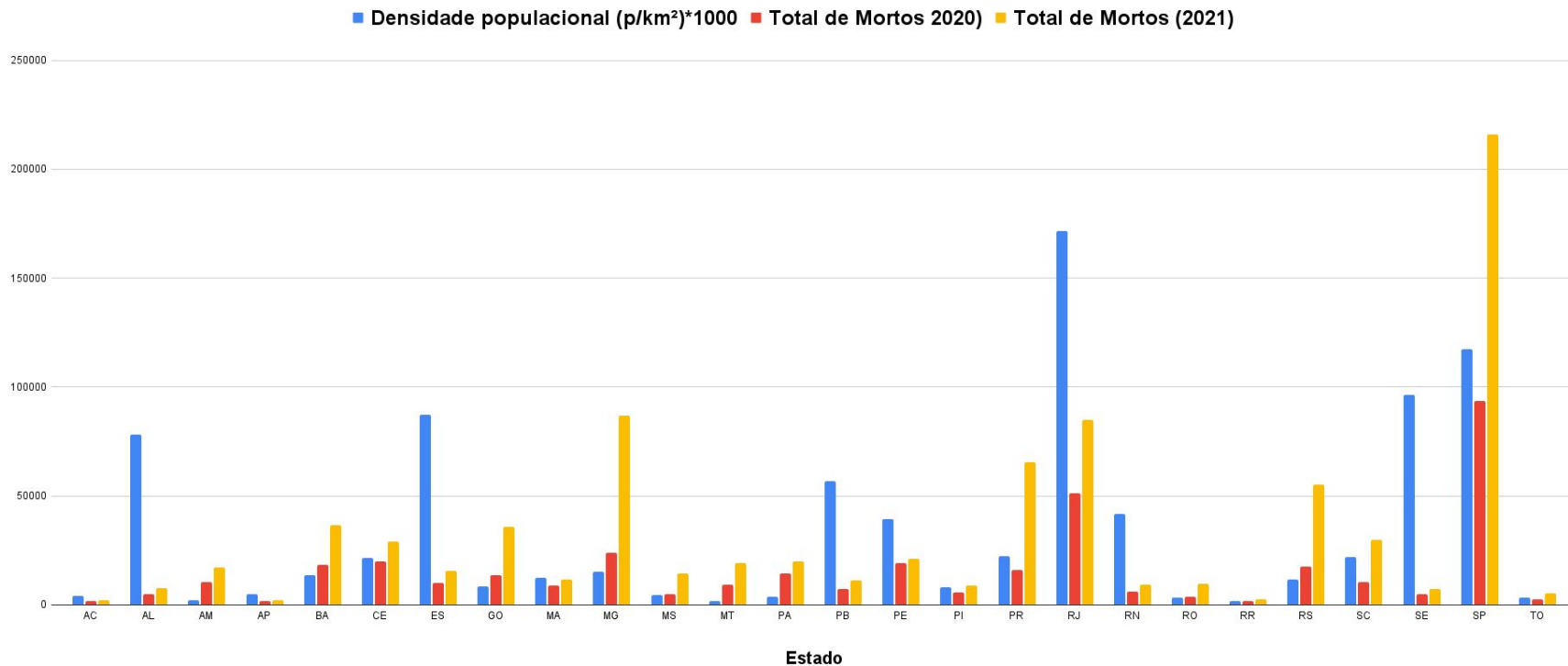


# Correlação: Total de Mortos (2021) e Desvio Padrão de mortos (2021)

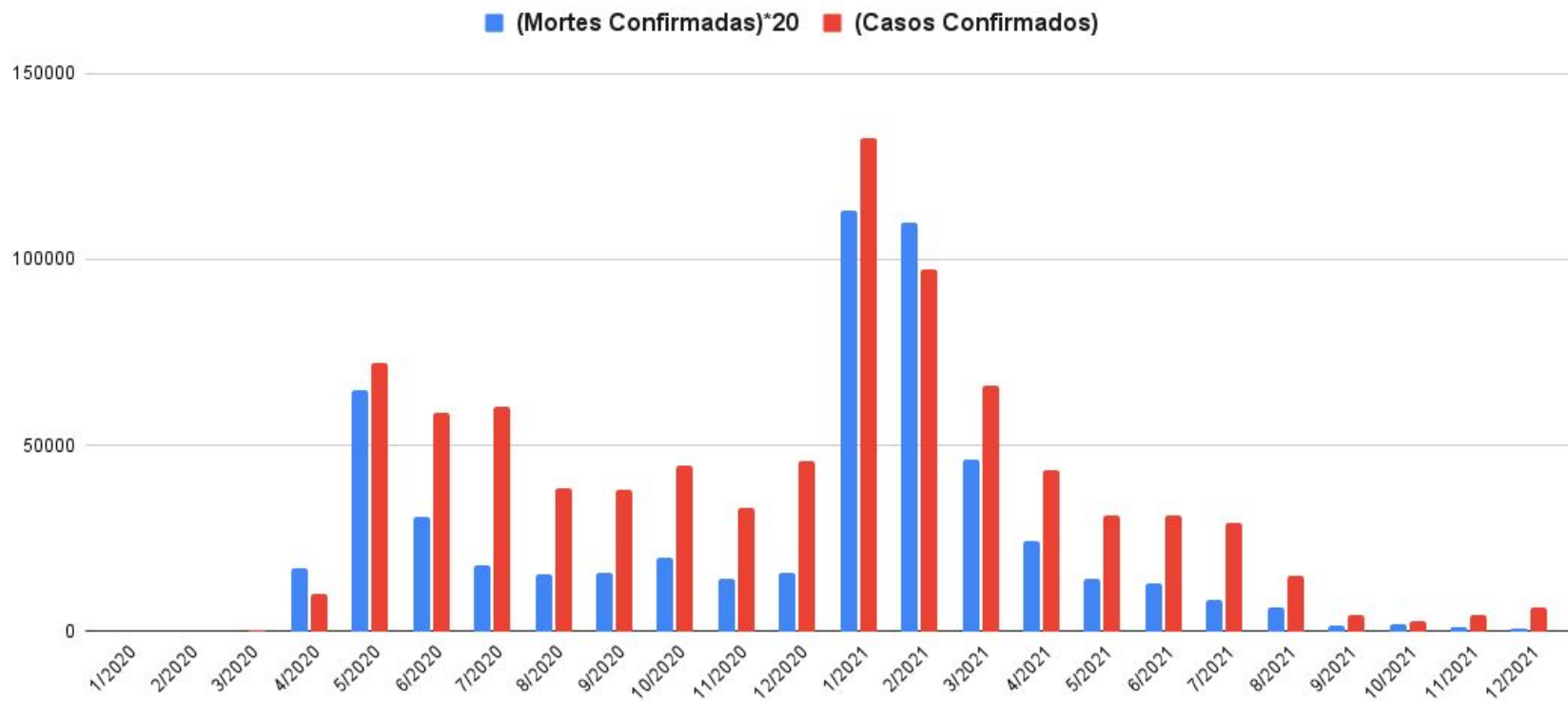




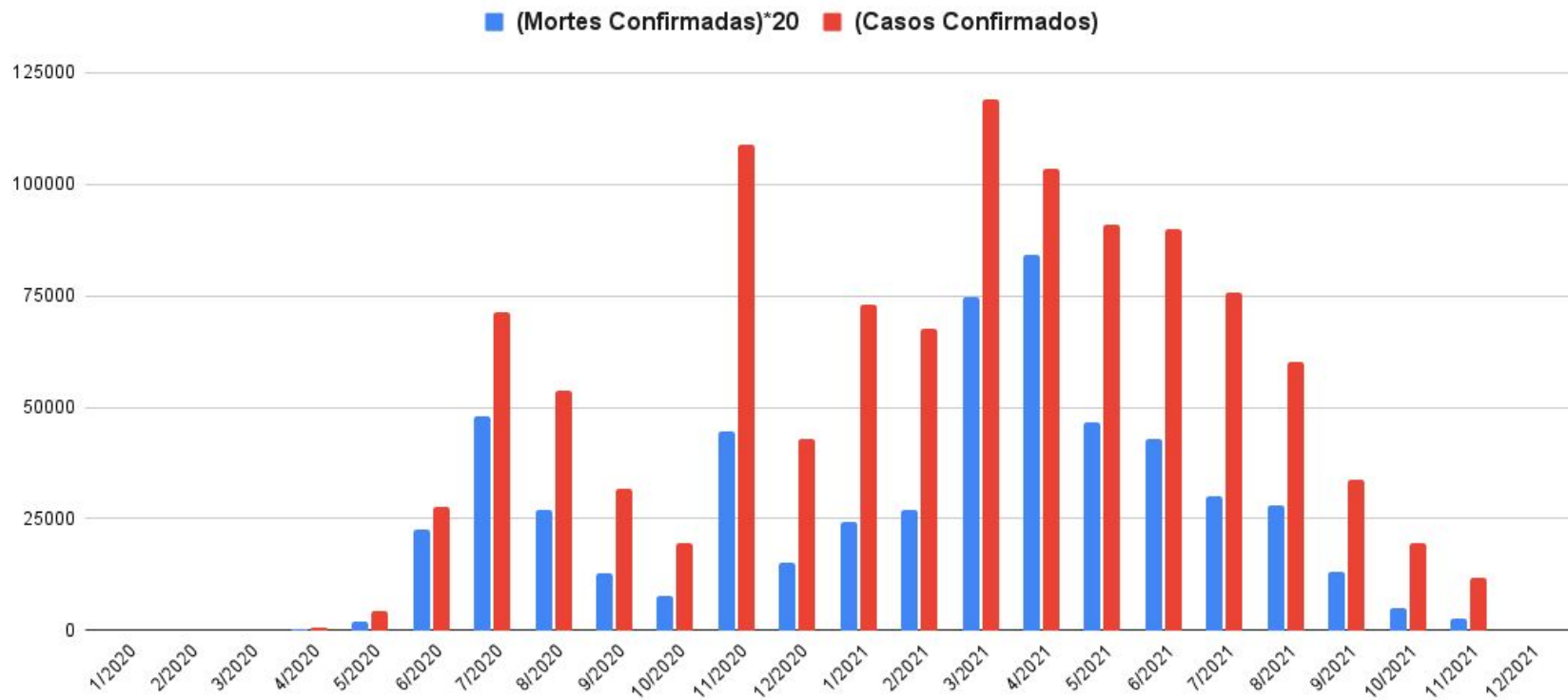
# Correlação: Total de Mortos (2020 e 2021) e Densidade Populacional



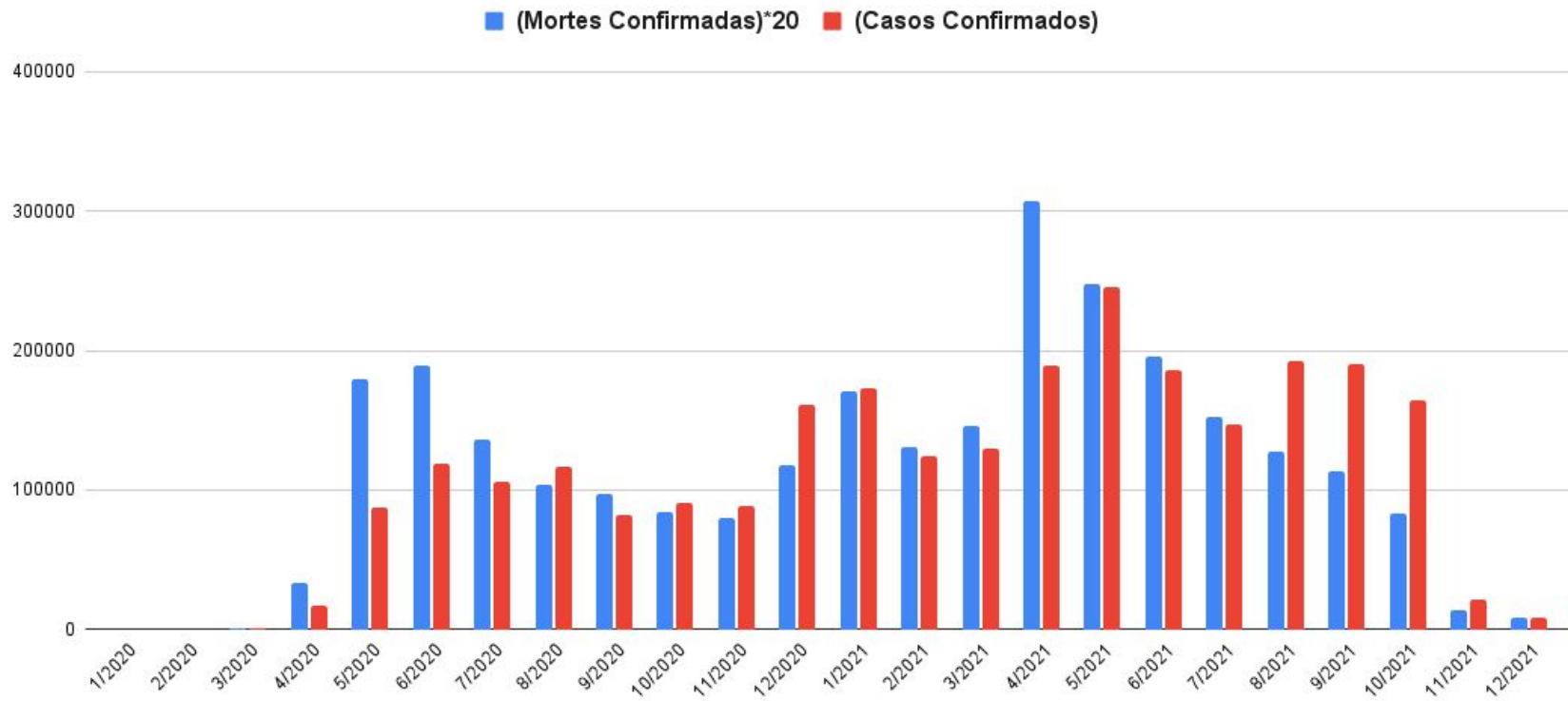
# Correlação: Mortos e Confirmados - Estado do Amazonas



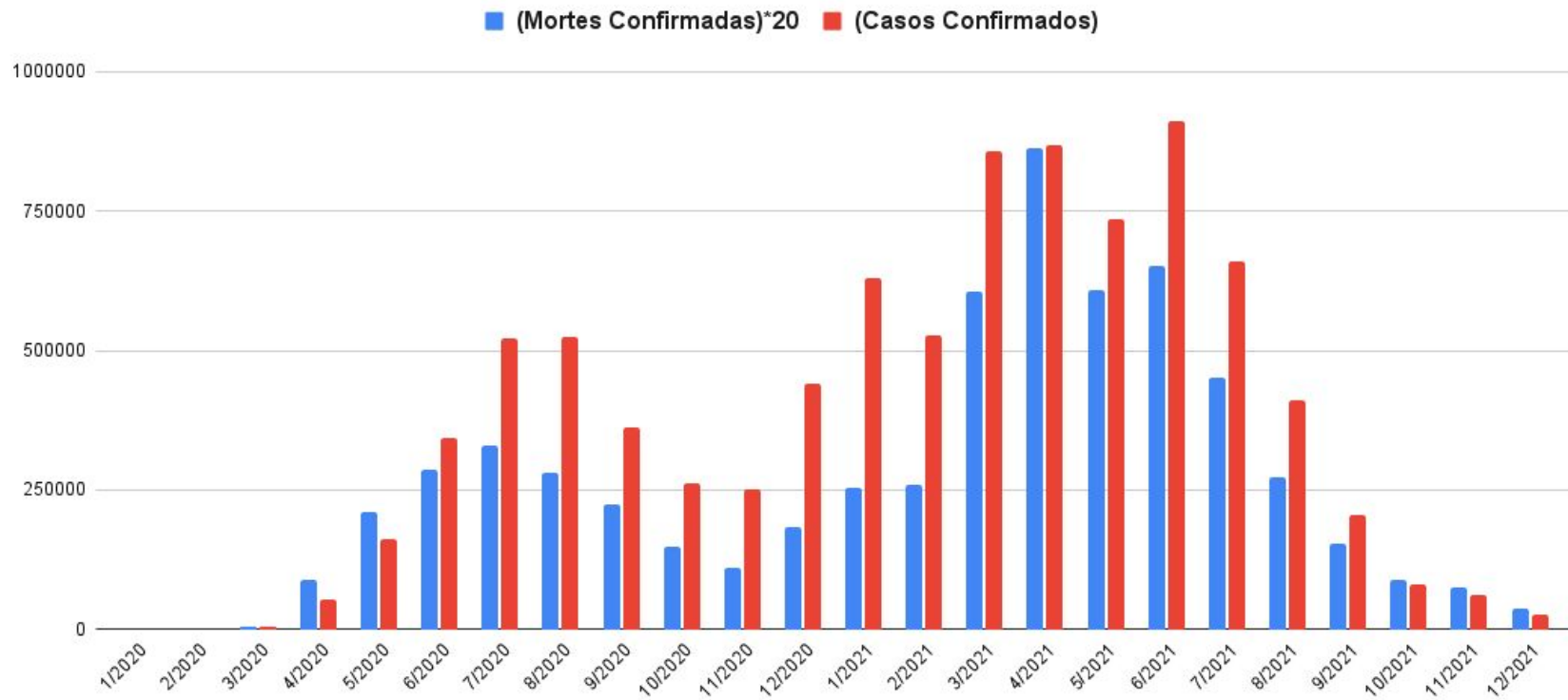
# Correlação: Mortos e Confirmados - Estado do Mato Grosso



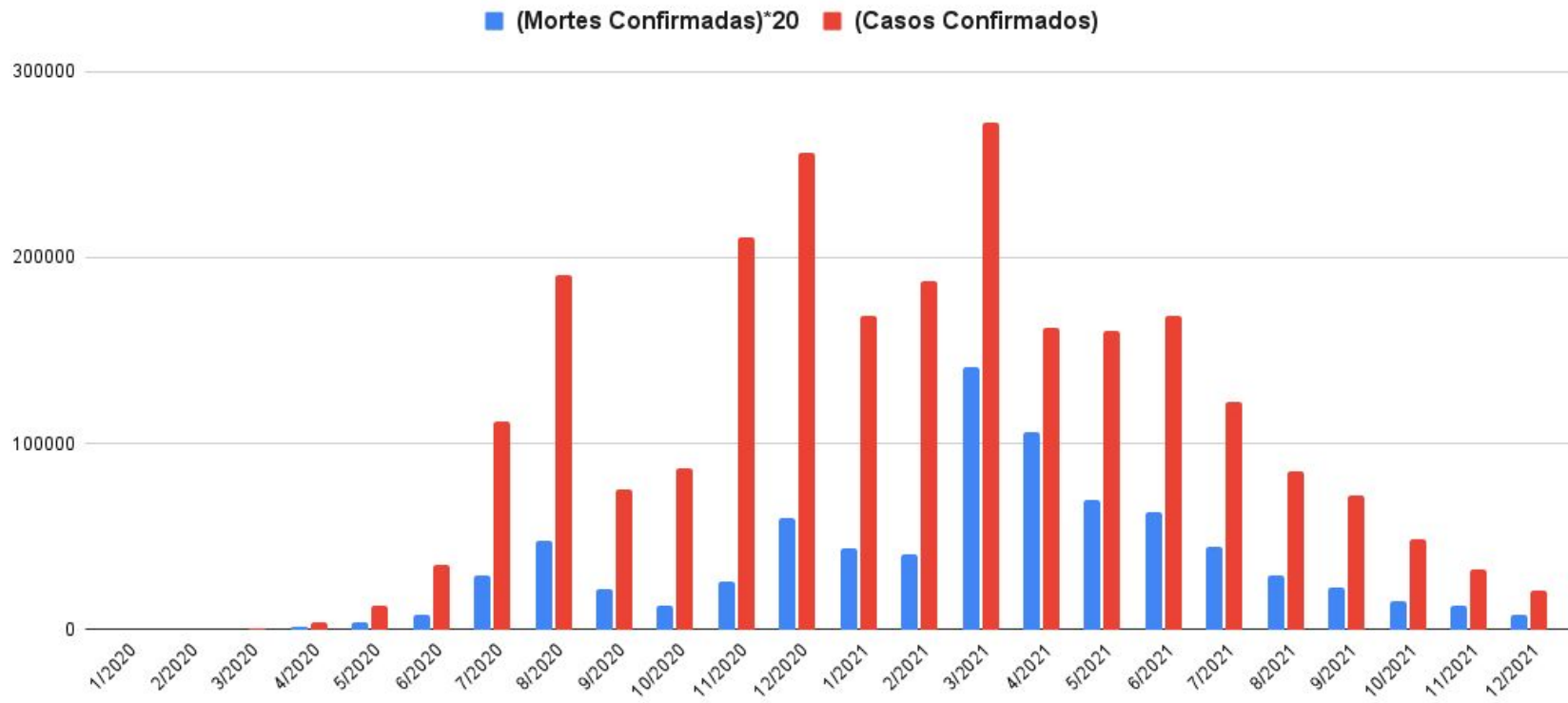
# Correlação: Mortos e Confirmados - Estado do Rio de Janeiro



# Correlação: Mortos e Confirmados - Estado de São Paulo



# Correlação: Mortos e Confirmados - Estado de Santa Catarina



# Análise do dataSet:

README.md

Author: Arhur Cadore M. Barcella

GitHub: arthurcadore

data-analysis

Program to analyse huge datasets in c++

After compile the code, run it with cmake changing state define variable, or compile it for use with shell script

With shell script, the program execute multiple times, to generate results for all states.

to compile code:

cmake CMakeList.txt make run

to compile code (for scripting):

g++ src/main.cpp src/archiveReader.cpp -o binaryCode sudo chmod +x runner.sh && chmod +x binaryCode ./runner.sh

Packages

No packages published  
[Publish your first package](#)

Languages

C++ 70.6% Shell 25.5% CMake 3.9%

Para montar o código de leitura, utilizei linguagem c++, com interpretador CMake para fazer a compilação automatizada e também ShellScript, para rodar o código automaticamente (tirando os dados de cada estado)

# Análise do dataSet:

The image shows a VS Code editor interface. On the left, the EXPLORER sidebar displays a project structure under 'ESTATISTICA E PROBABILIDADE'. It includes a folder 'data-analysis-main' containing a '.vscode' folder and an 'out' folder. The 'out' folder contains a list of CSV files: AC.csv, AL.csv, AM.csv, AP.csv, BA.csv, CE.csv, DF.csv, ES.csv, finalResults.csv, GO.csv, MA.csv, MG.csv, MS.csv, MT.csv, PA.csv, and PB.csv. On the right, a terminal window titled 'runner.sh' shows the execution of a shell script. The script starts with a shebang, author information, and a loop that generates individual CSV files for each state. The command being executed is `./binaryCode caso_full.csv <state> > ./binaryCode/<state>.csv`. An arrow points from the text on the right to the 'out' folder in the file explorer, and another arrow points from the same text to the command line in the terminal.

```
data-analysis-main > runner.sh
1  #!/bin/bash
2
3  # Author: Arthur Cadore M. Barcella
4  # GitHub: arthurcadore
5
6  # para cada estado, gera um arquivo .csv individual:
7  ./binaryCode caso_full.csv AC > ./binaryCode/AC.csv
8  ./binaryCode caso_full.csv AL > ./binaryCode/AL.csv
9  ./binaryCode caso_full.csv AM > ./binaryCode/AM.csv
10 ./binaryCode caso_full.csv AP > ./binaryCode/AP.csv
11 ./binaryCode caso_full.csv BA > ./binaryCode/BA.csv
12 ./binaryCode caso_full.csv CE > ./binaryCode/CE.csv
13 ./binaryCode caso_full.csv DF > ./binaryCode/DF.csv
14 ./binaryCode caso_full.csv ES > ./binaryCode/ES.csv
15 ./binaryCode caso_full.csv GO > ./binaryCode/GO.csv
16 ./binaryCode caso_full.csv MA > ./binaryCode/MA.csv
17 ./binaryCode caso_full.csv MG > ./binaryCode/MG.csv
18 ./binaryCode caso_full.csv MS > ./binaryCode/MS.csv
19 ./binaryCode caso_full.csv MT > ./binaryCode/MT.csv
20 ./binaryCode caso_full.csv PA > ./binaryCode/PA.csv
21 ./binaryCode caso_full.csv PB > ./binaryCode/PB.csv
22 ./binaryCode caso_full.csv PE > ./binaryCode/PE.csv
```

Ao executar o script (.sh), o código é executado diversas vezes (uma vez para cada estado) e exporta os dados individualmente na pasta “out”, além de exportar também um único arquivo contendo todos os resultados.



# Correlações e Resultados DataSet Covid19

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