Cuprins

[Programare SAS 2](#_Toc199979567)

[Crearea unui set de date SAS din fișiere externe 2](#_Toc199979568)

[Crearea și folosirea de formate definite de utilizator 2](#_Toc199979569)

[Procesarea iterativă și condițională a datelor 3](#_Toc199979570)

[Crearea de subseturi de date 4](#_Toc199979571)

[Utilizarea de funcții SAS 5](#_Toc199979572)

[Combinarea seturilor de date prin proceduri specifice SAS si SQL 7](#_Toc199979573)

[Raportare, Analiză statistică, Vizualizare grafică 7](#_Toc199979574)

[Programare Python 9](#_Toc199979575)

[Steamlit 9](#_Toc199979576)

[Utilizarea pachetului GeoPandas 10](#_Toc199979577)

[Tratarea valorilor lipsă 11](#_Toc199979578)

[Metode de codificare a datelor 12](#_Toc199979579)

[Metode de scalare 12](#_Toc199979580)

[Predicții statistice, gruparea și agregarea datelor în pachetul pandas 12](#_Toc199979581)

[Utilizarea funcțiilor de grup 13](#_Toc199979582)

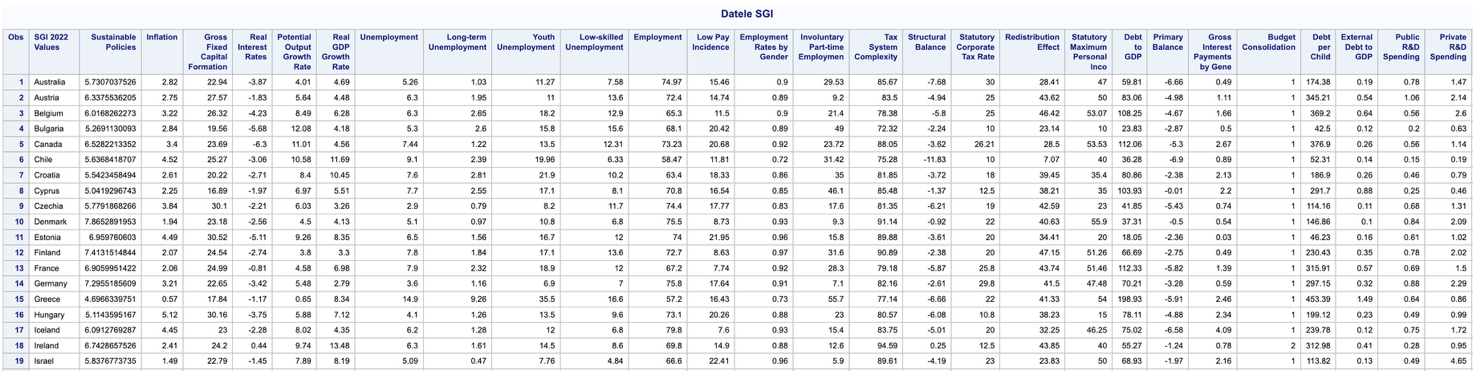
[Clusterizare prin analiza factoriala 14](#_Toc199979583)

[Corelograma 15](#_Toc199979584)

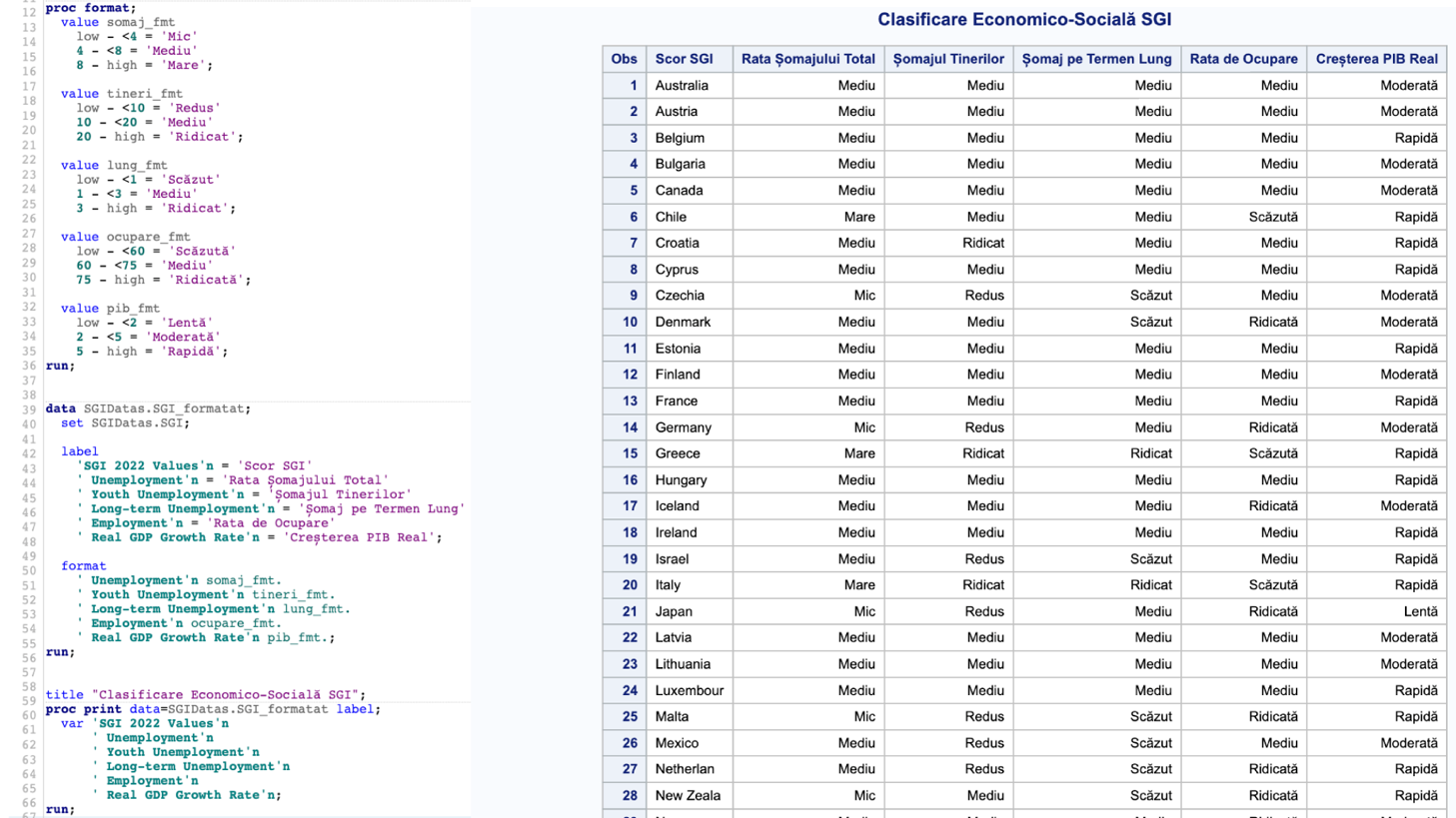
[Regresie multipla 15](#_Toc199979585)

# Programare SAS

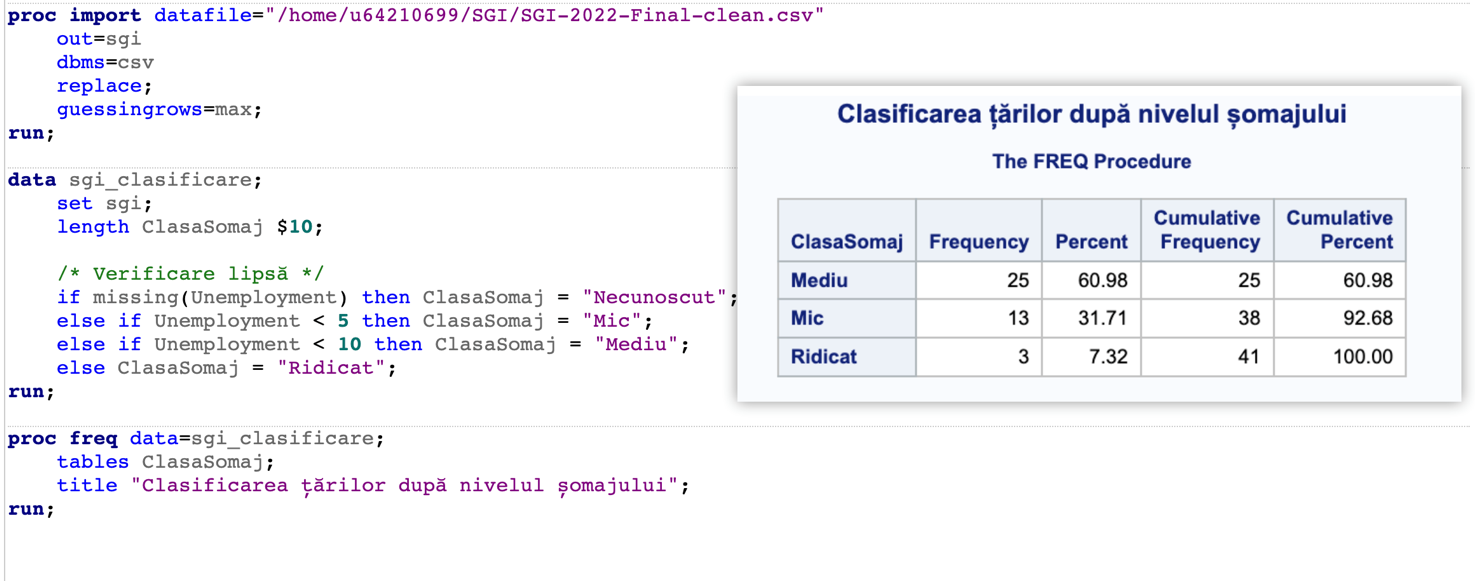
## Crearea unui set de date SAS din fișiere externe

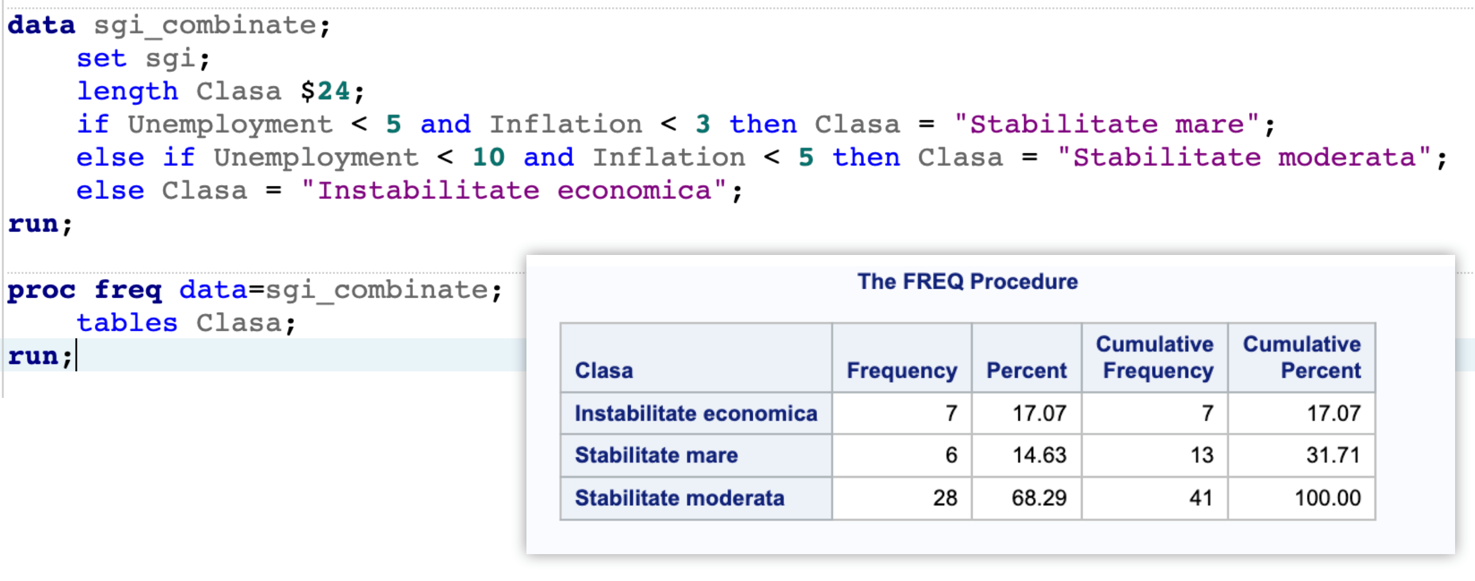


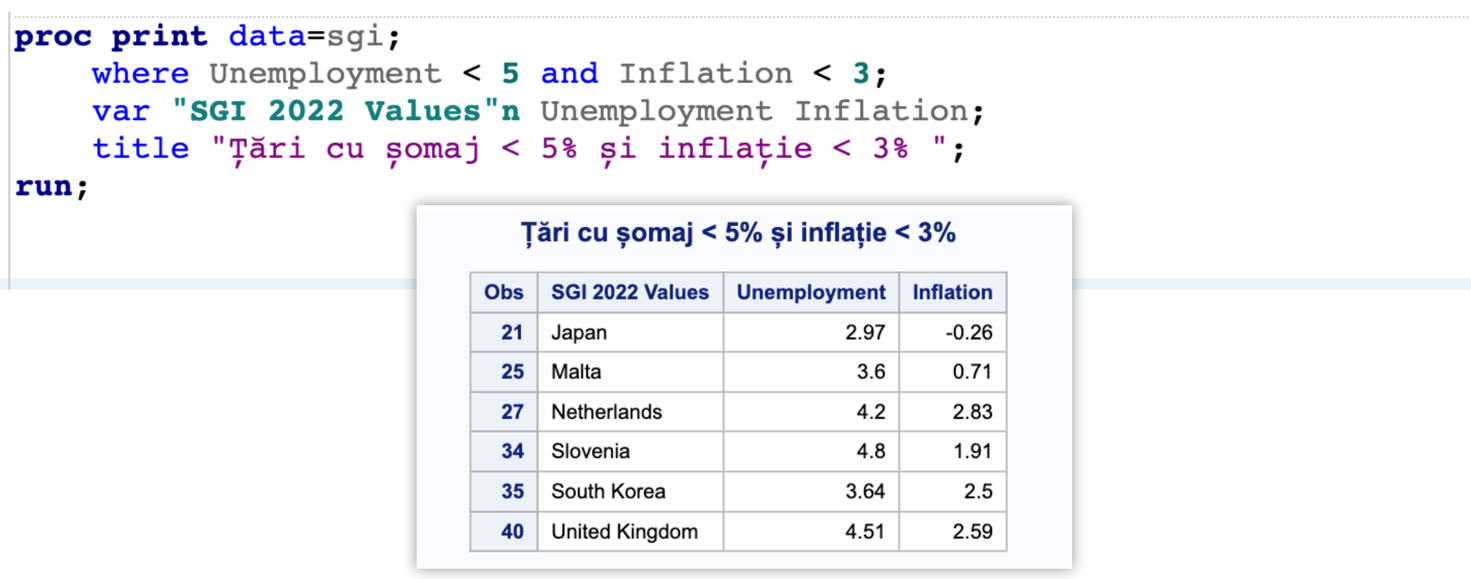
## Crearea și folosirea de formate definite de utilizator

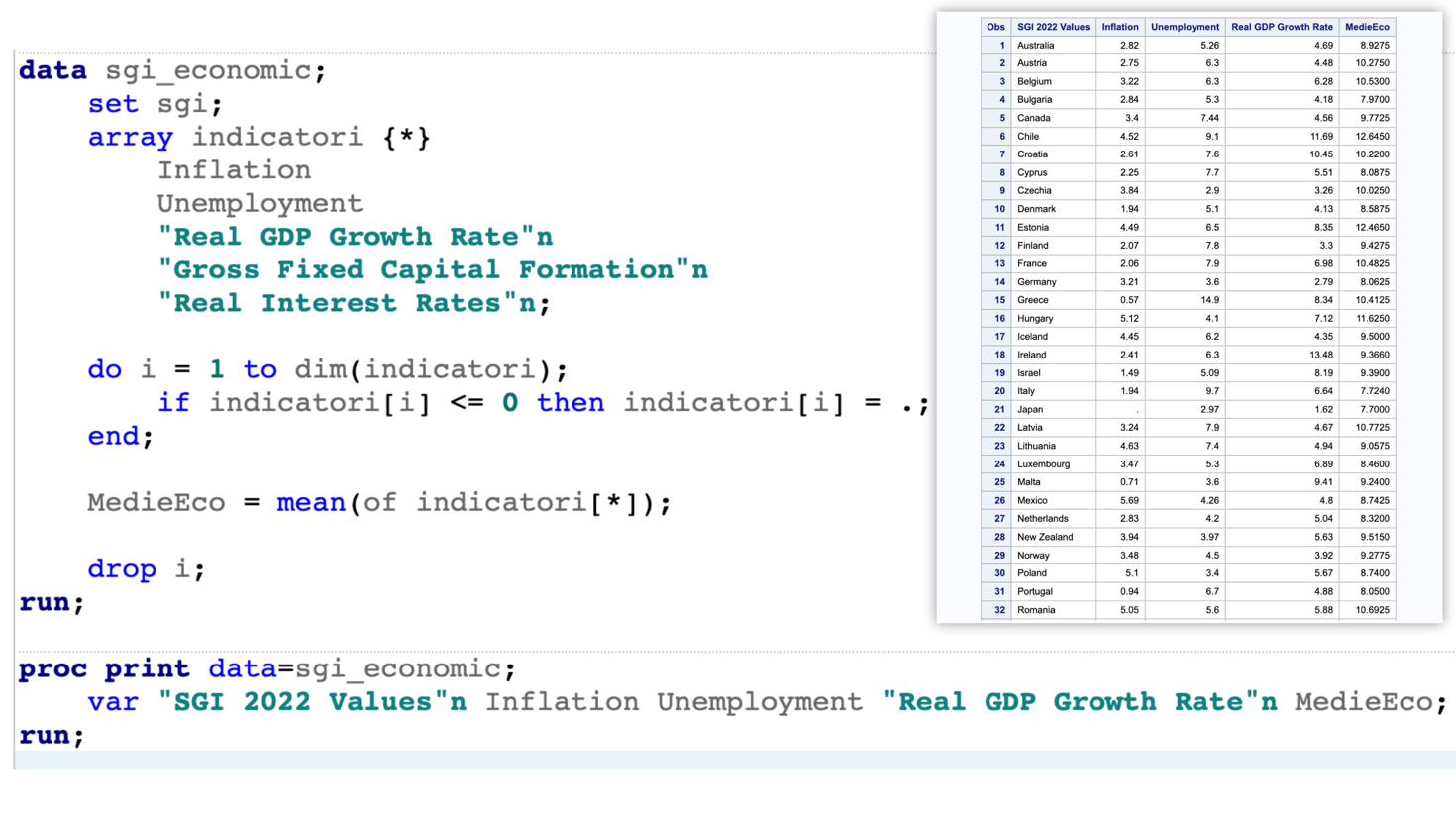


## Procesarea iterativă și condițională a datelor

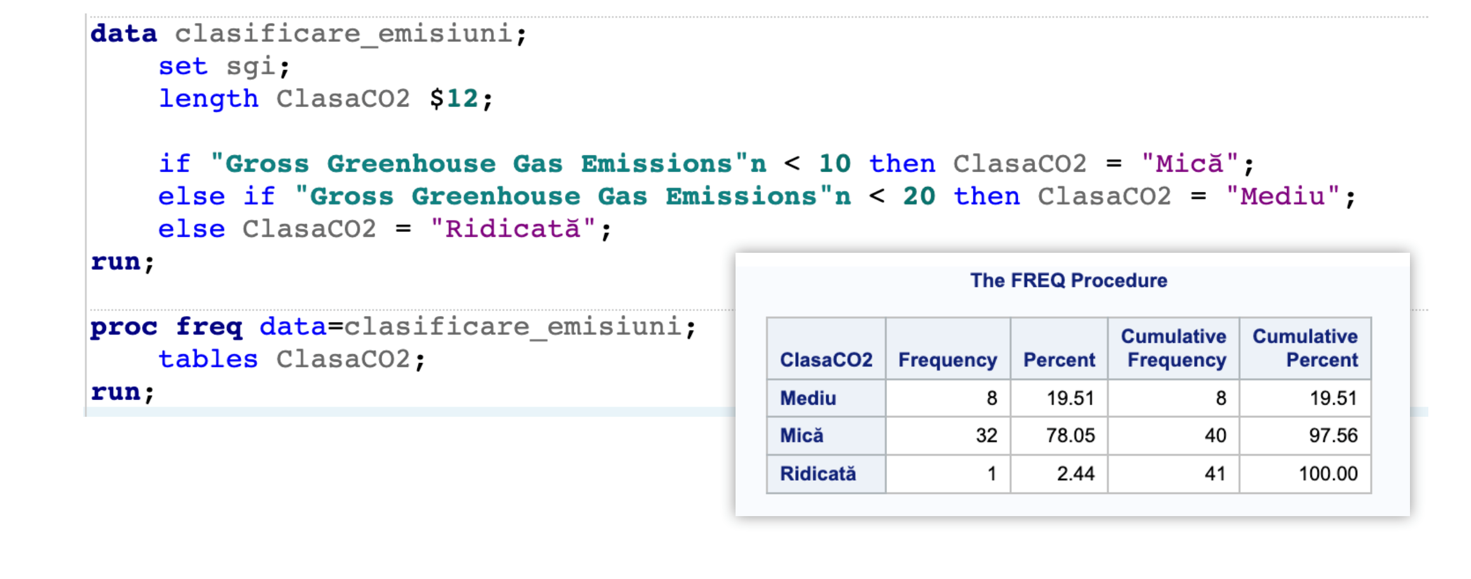






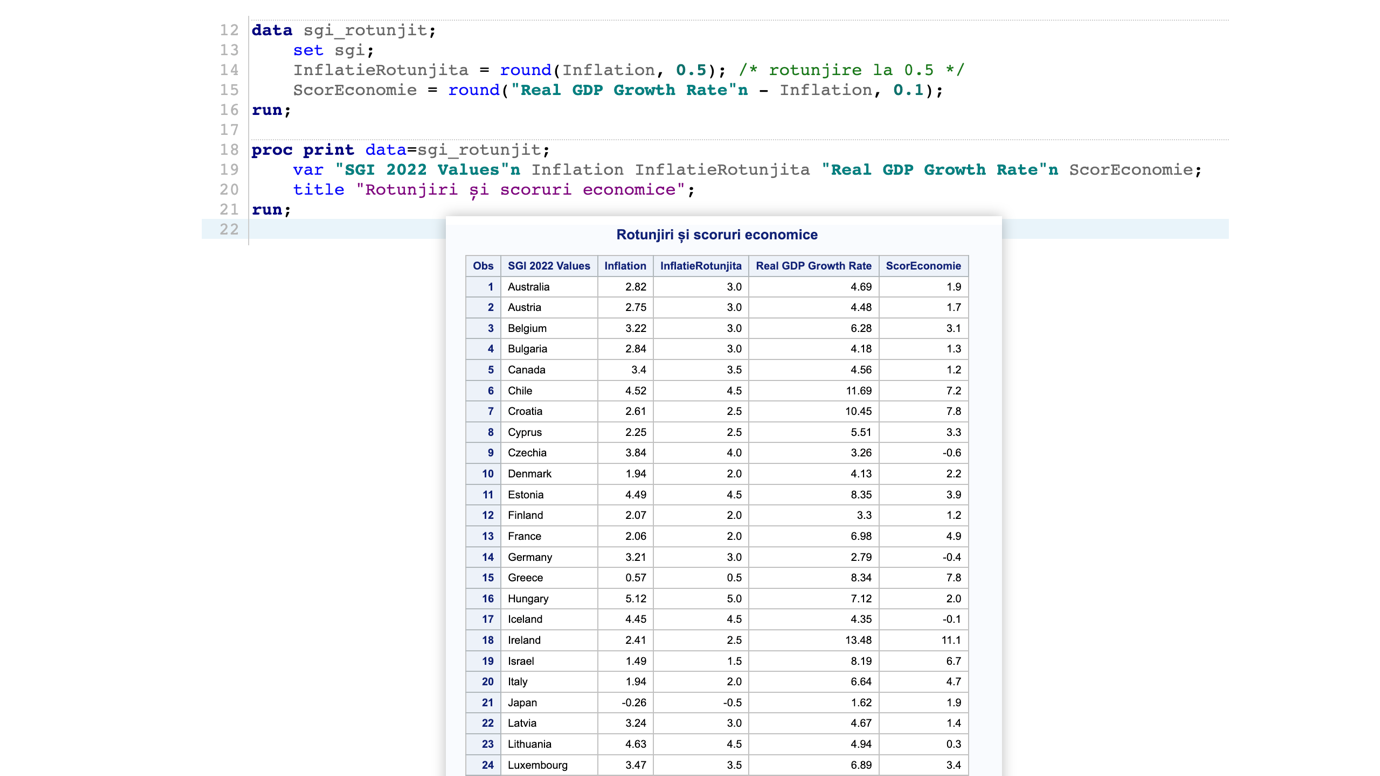


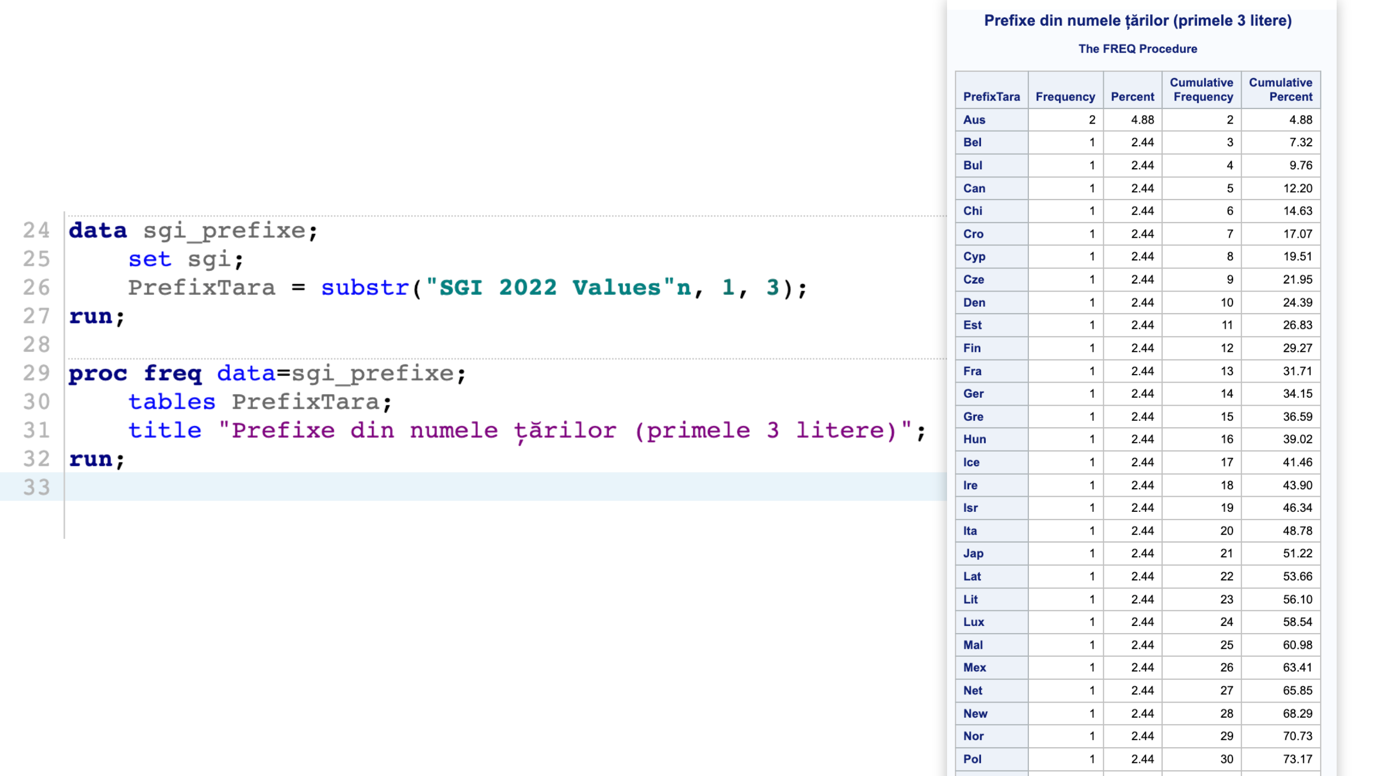
## Crearea de subseturi de date

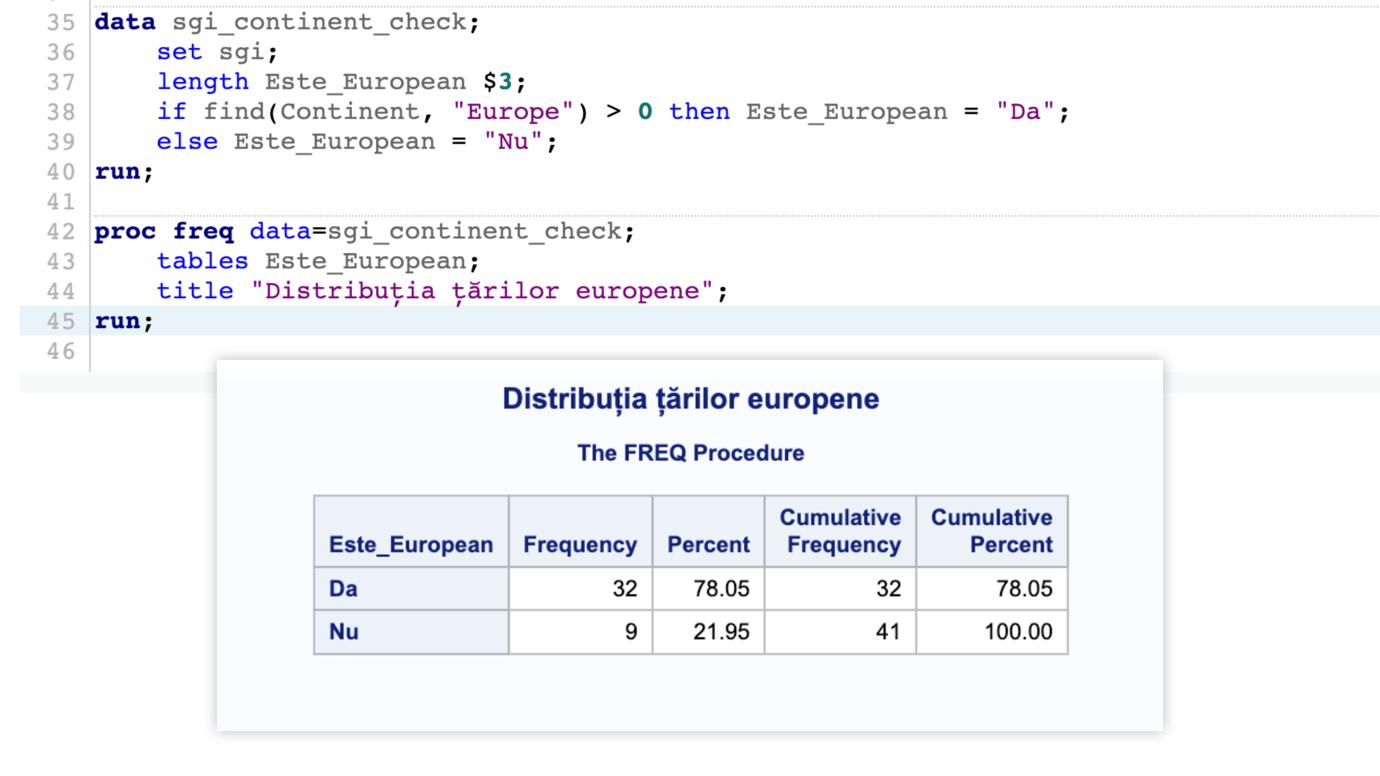




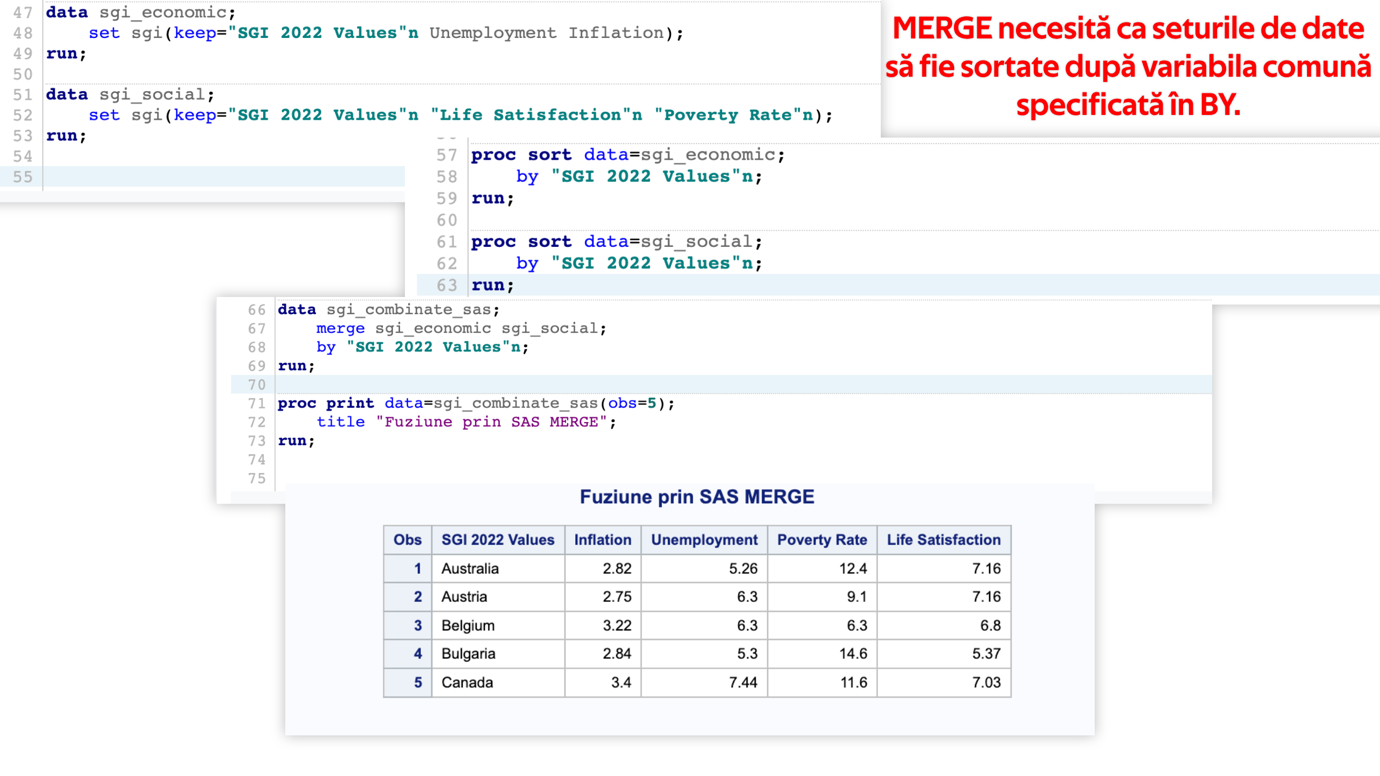
## Utilizarea de funcții SAS

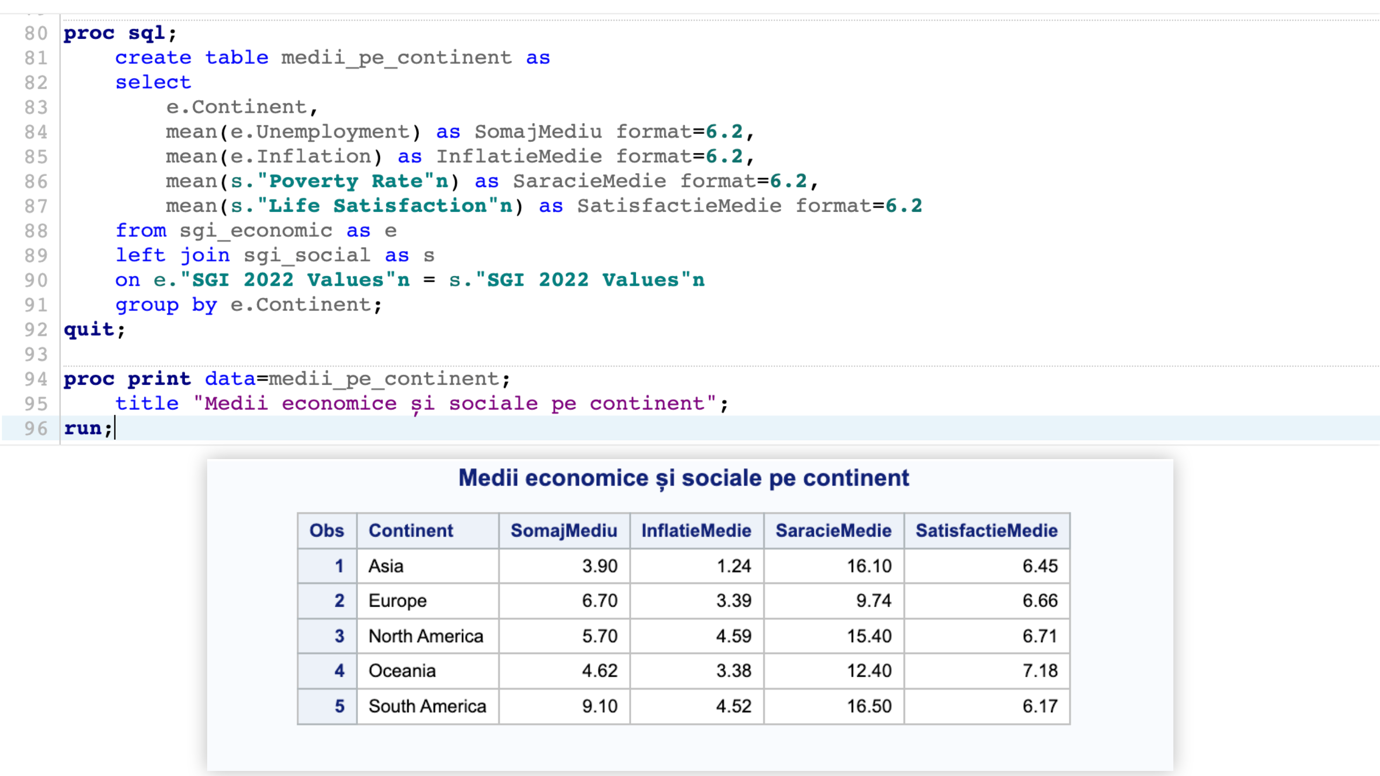




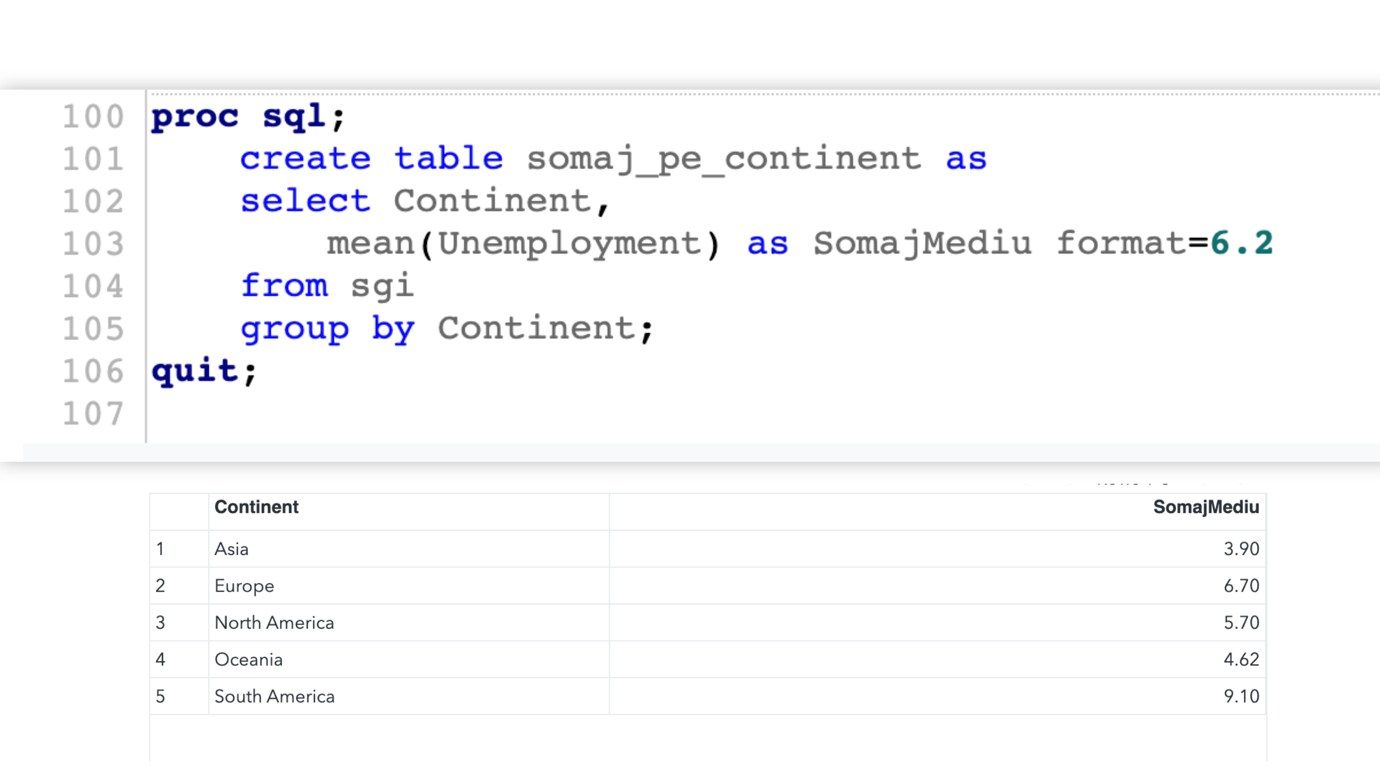


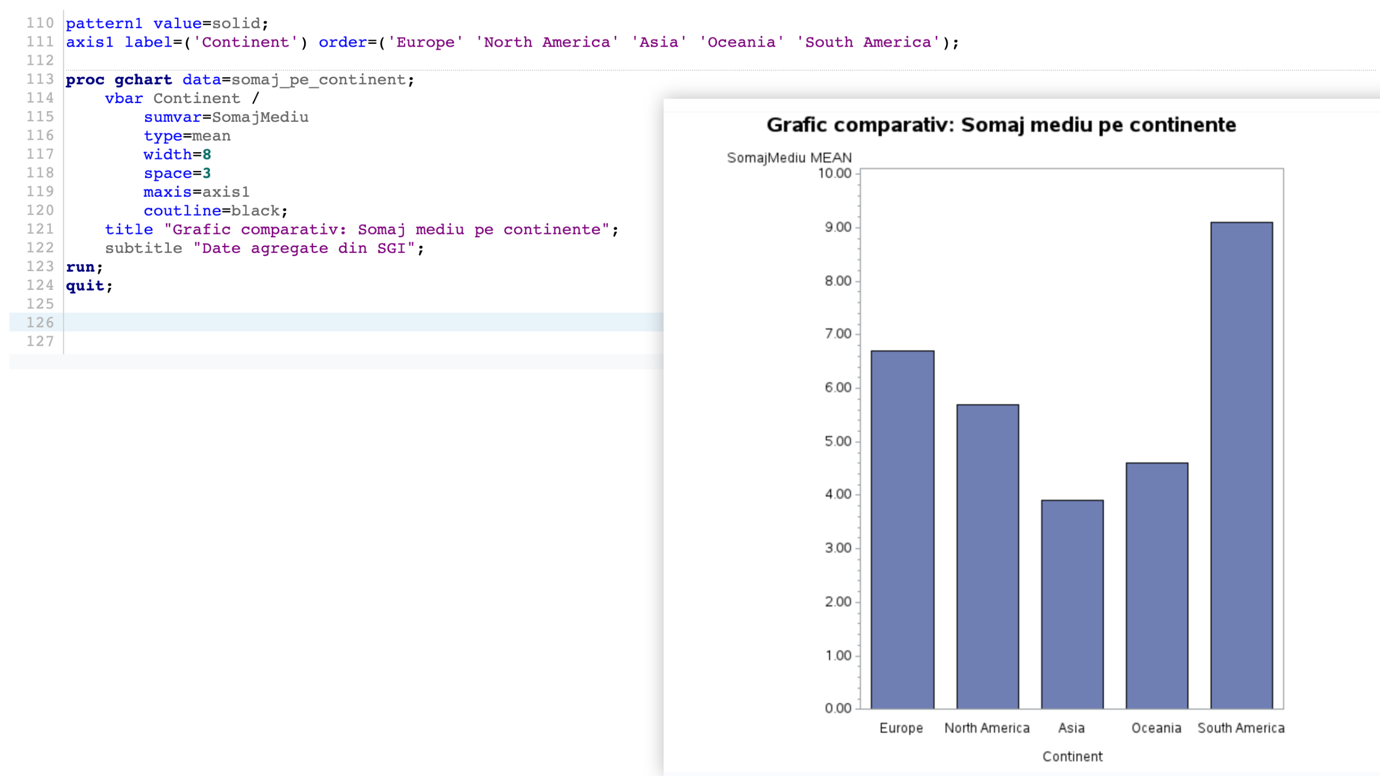
## Combinarea seturilor de date prin proceduri specifice SAS si SQL

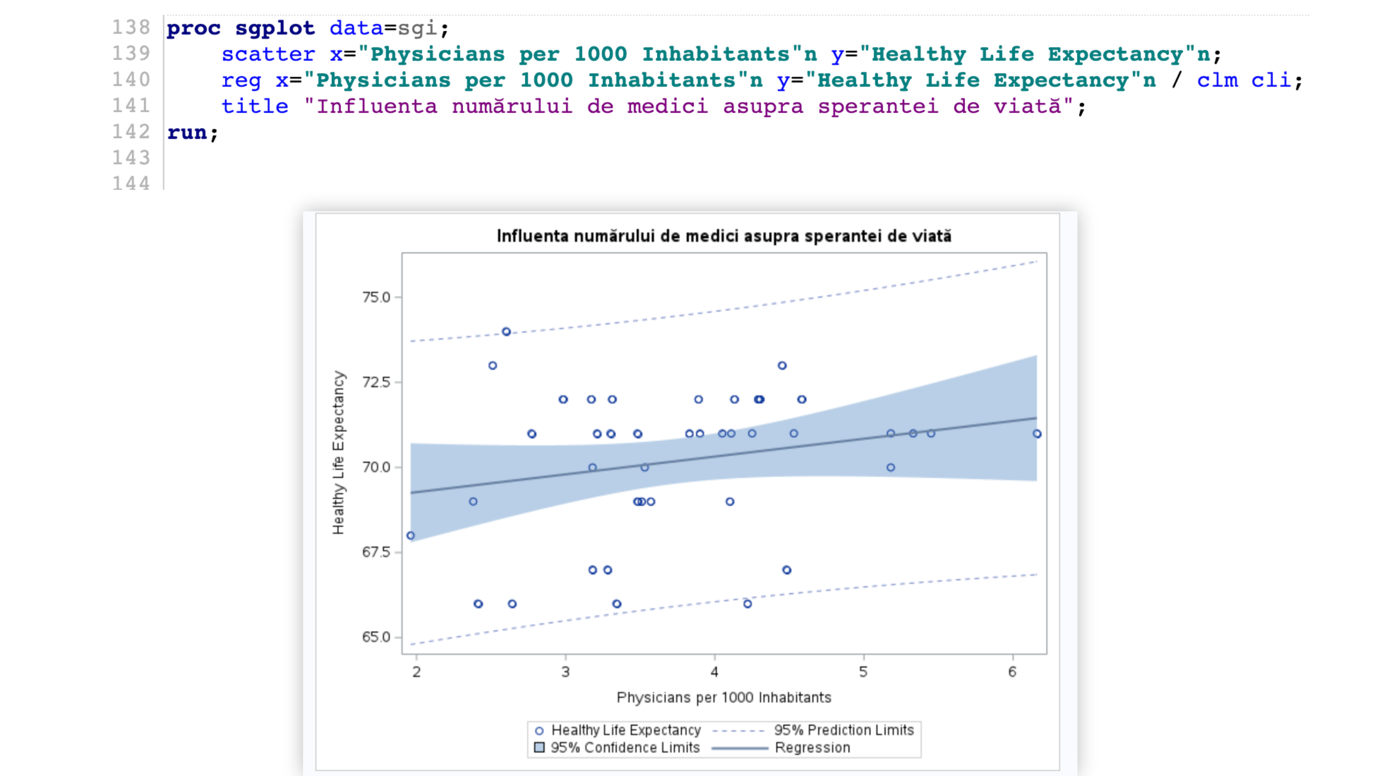




## Raportare, Analiză statistică, Vizualizare grafică

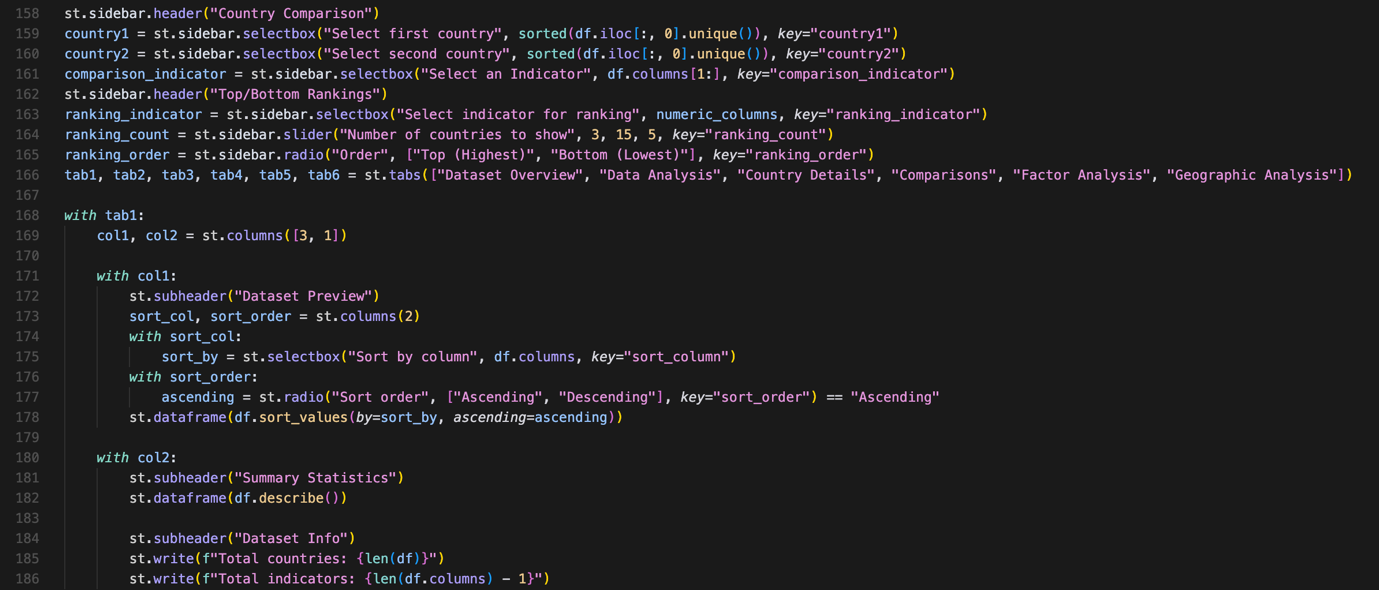




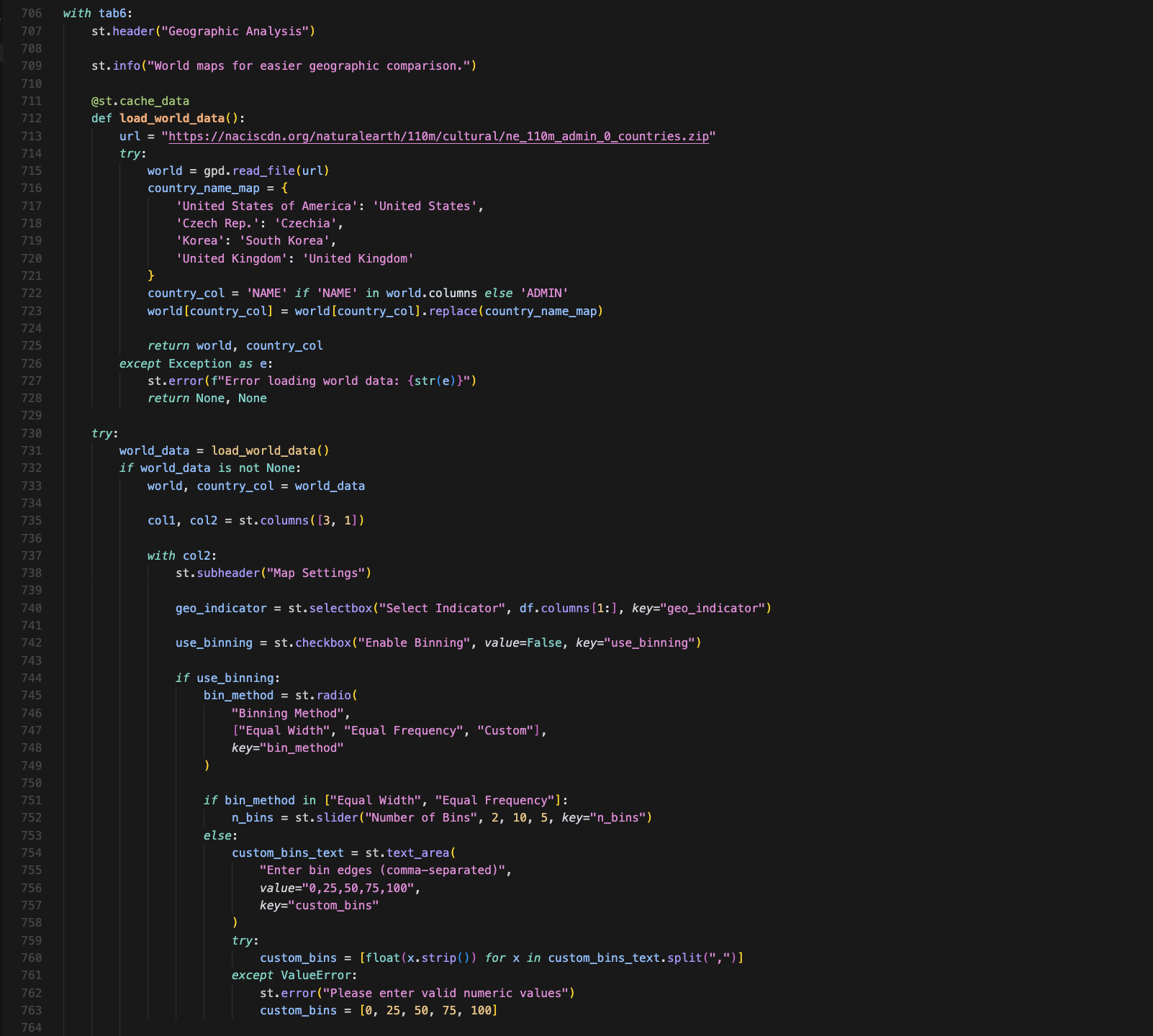


# Programare Python

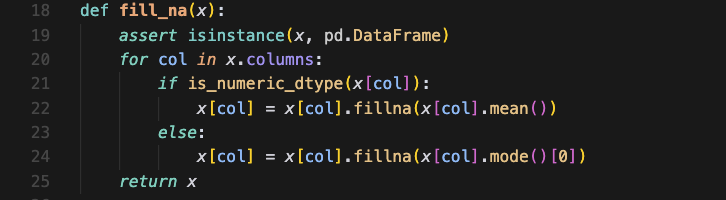
## Steamlit



## Utilizarea pachetului GeoPandas



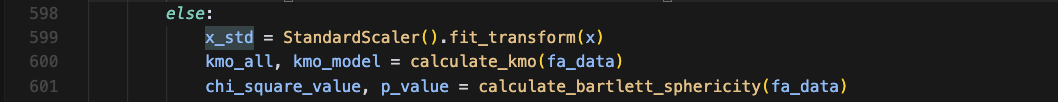
## Tratarea valorilor lipsă



## Metode de codificare a datelor



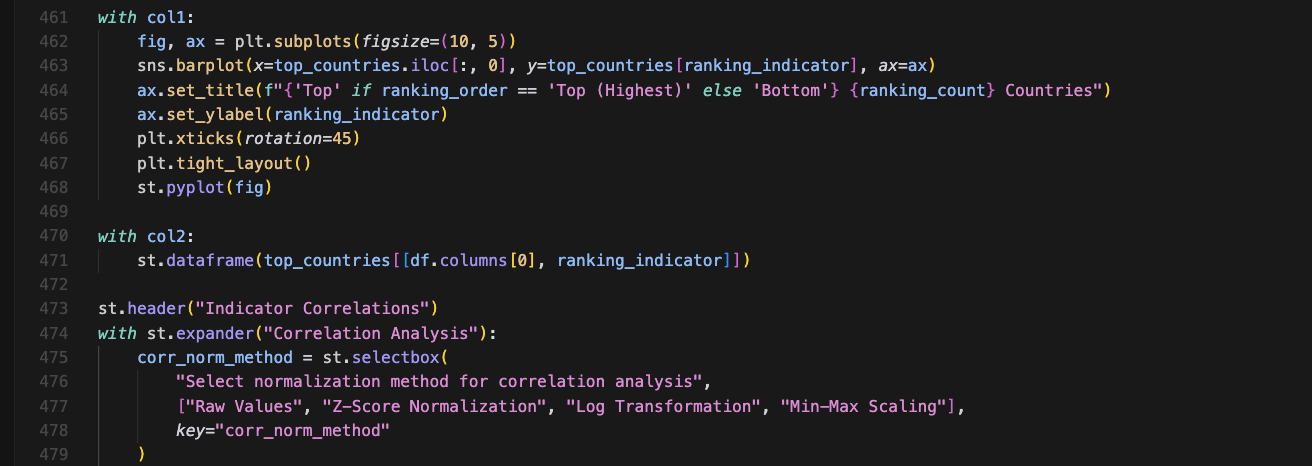
## Metode de scalare



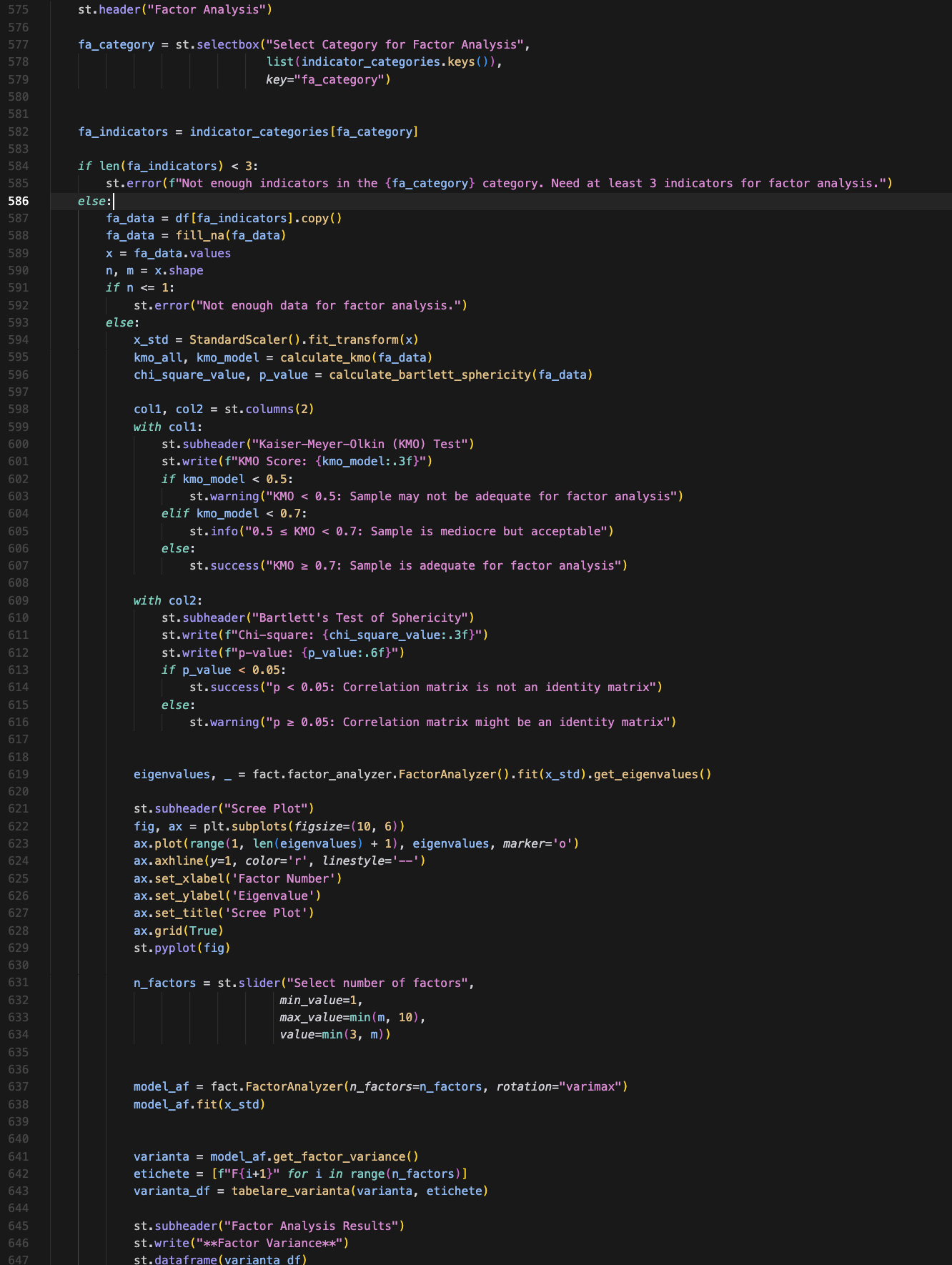
## Predicții statistice, gruparea și agregarea datelor în pachetul pandas



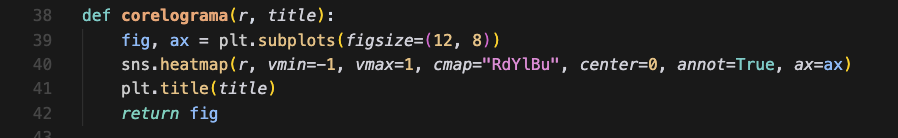
## Utilizarea funcțiilor de grup



## Clusterizare prin analiza factoriala



## Corelograma



## Regresie multipla

