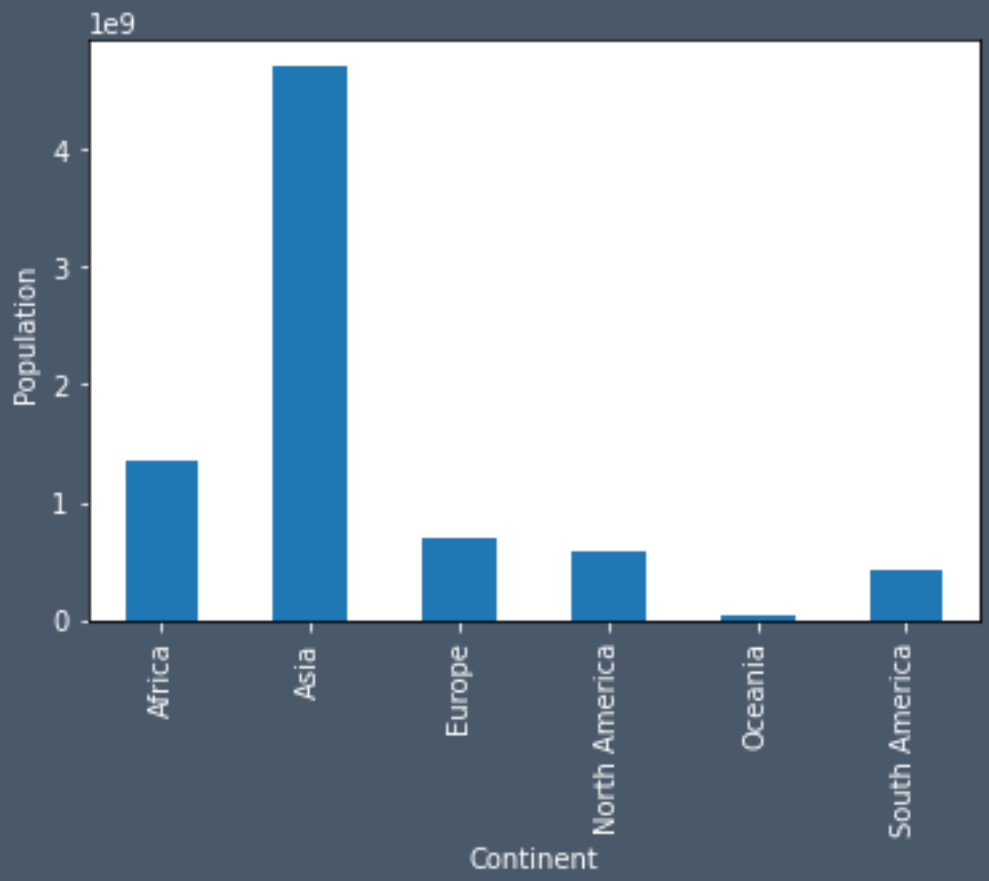
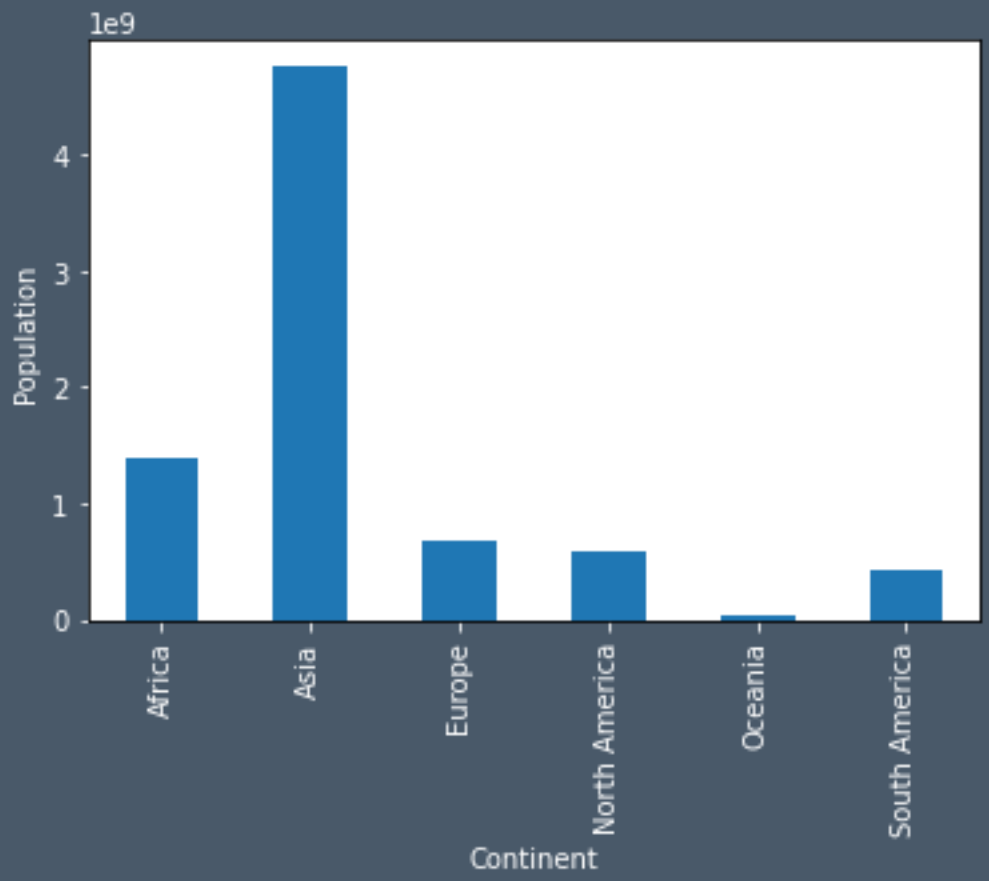
This document contains the visualizations I created for the data analysis project. The approach I used to create them was to plot the information I want to find out against the timeline I had available (2020-2022) from three datasets, in order to have an idea of the status and future projections of the data.

In terms of coding, I used the Pandas' "Groupby" function to find the sum/average/count of each continent according to a certain feature, and then assigned the result to a variable. I then used Matplotlib to plot the data found in the variable.

For the last question "Which countries have a negative growth?", I created a variable containing only negative entries from the "growth rate" feature.


Continent populations 2020
1e9
4
3
2
1
0
Population
Africa
Asia
Europe
North America
Oceania
South America
Continent


Continent populations 2021
1e9
4
3
2
1
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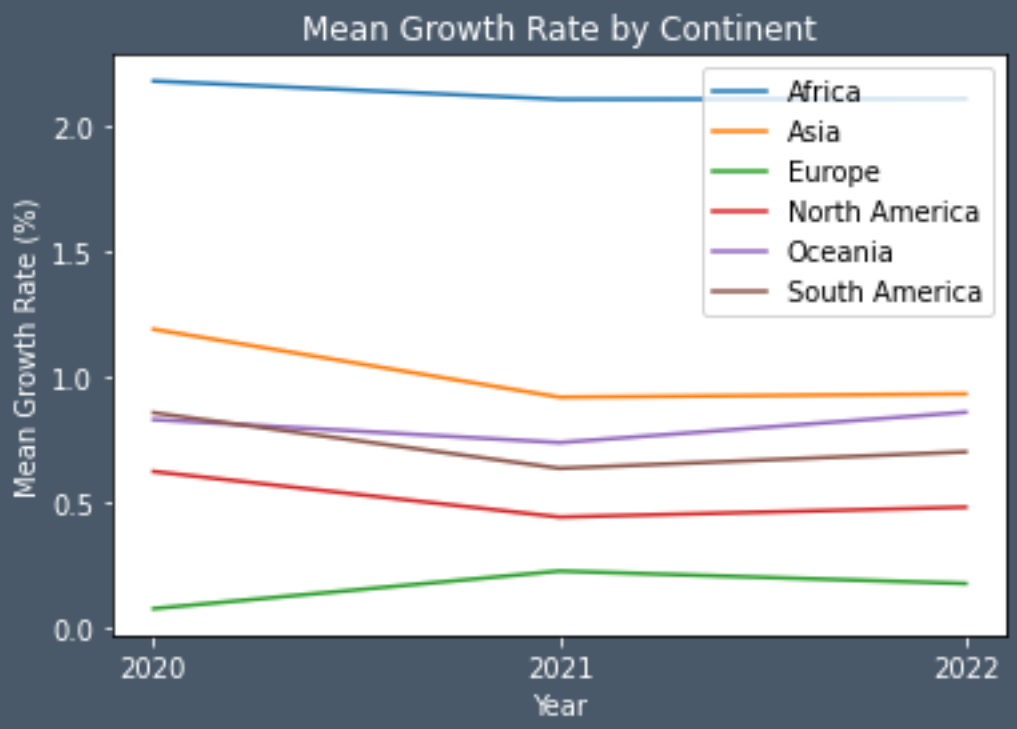
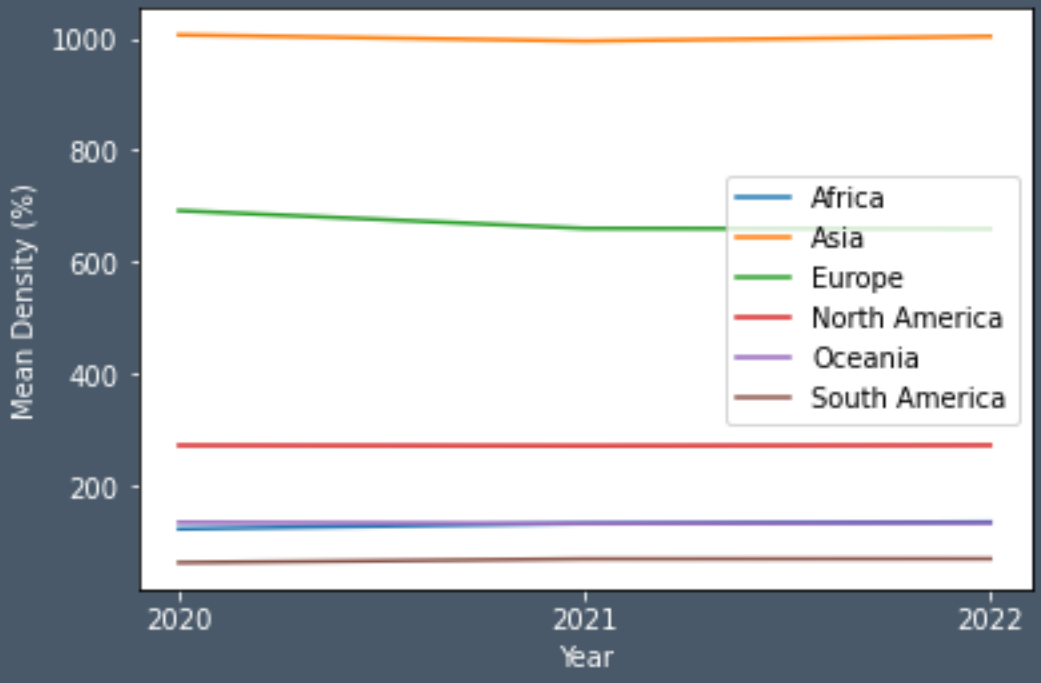
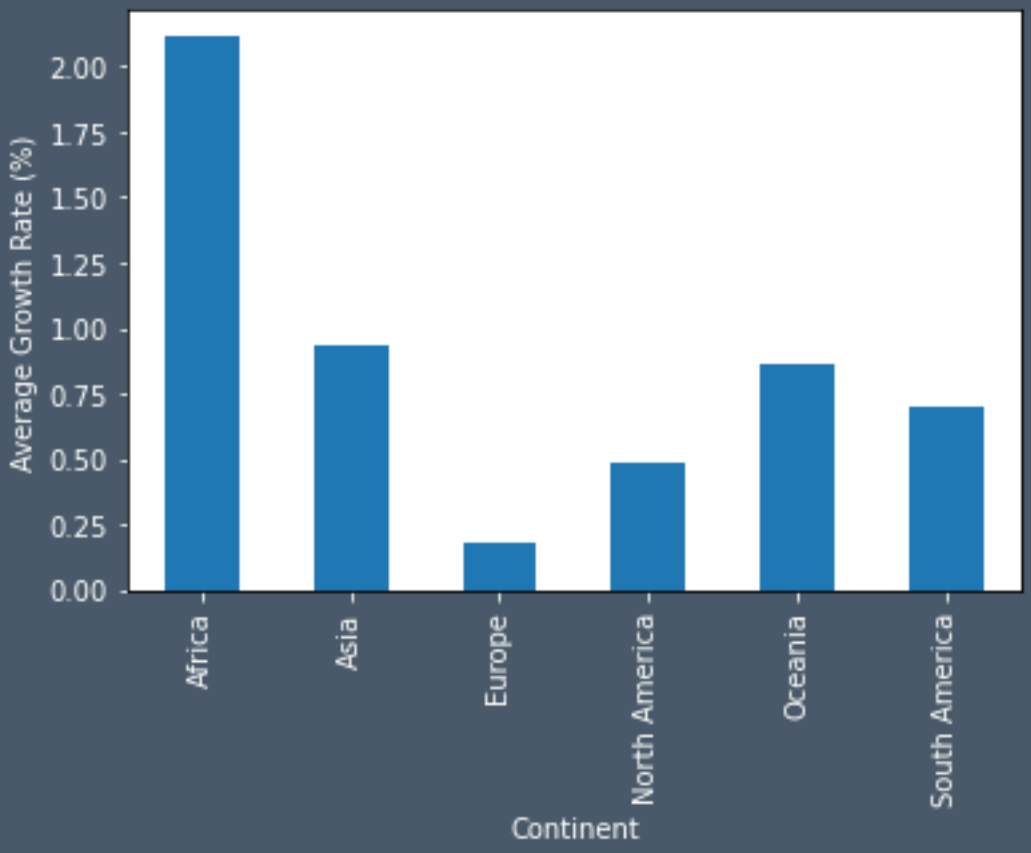
Population
Africa
Asia
Europe
North America
Oceania
South America
Continent



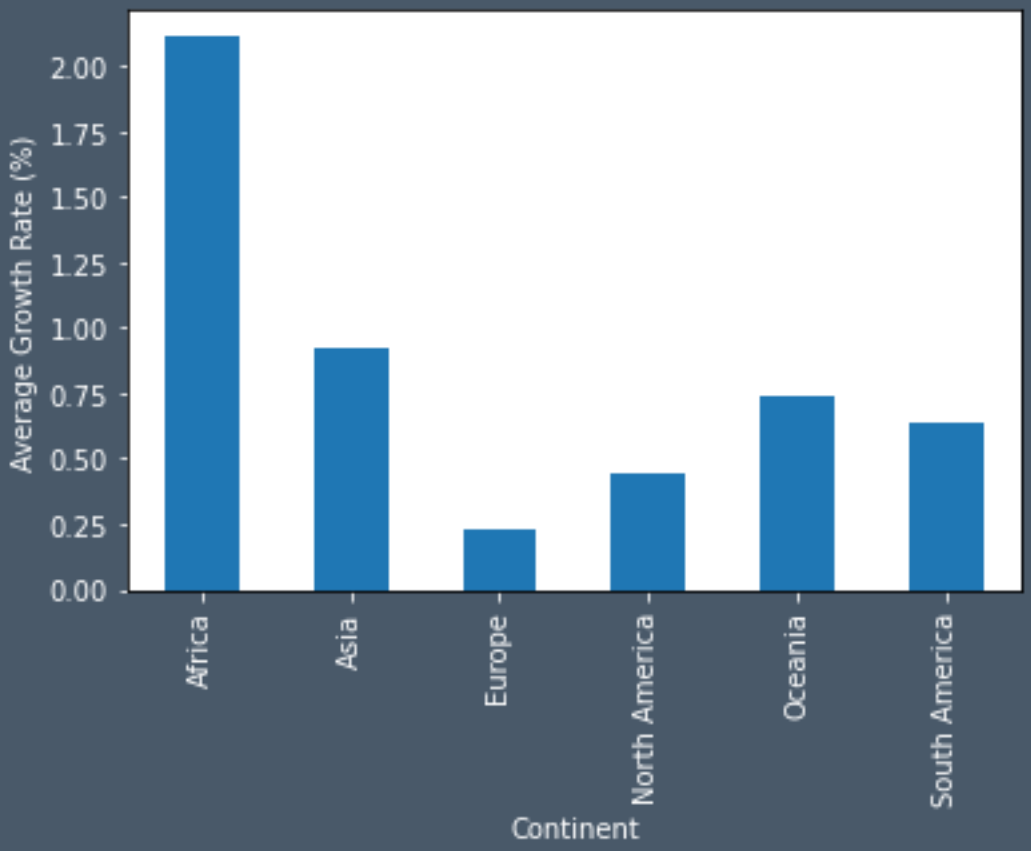
Average density by Continent



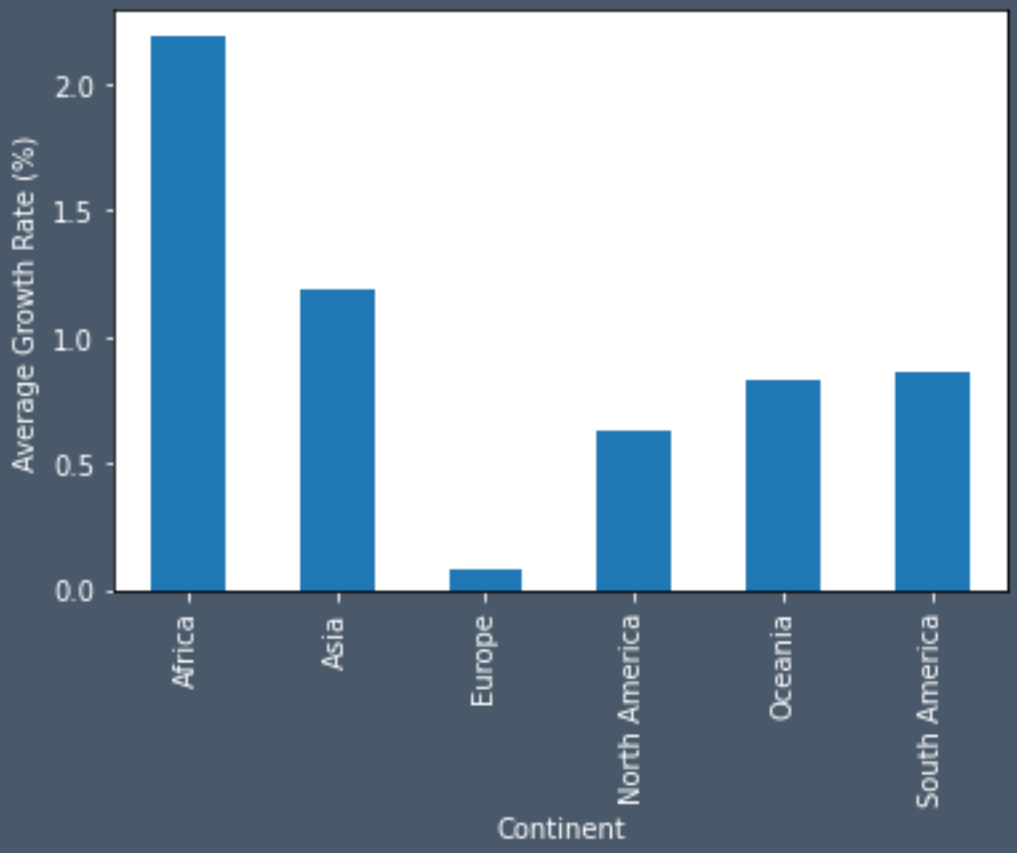
Growth Rates Per Continent (2022)

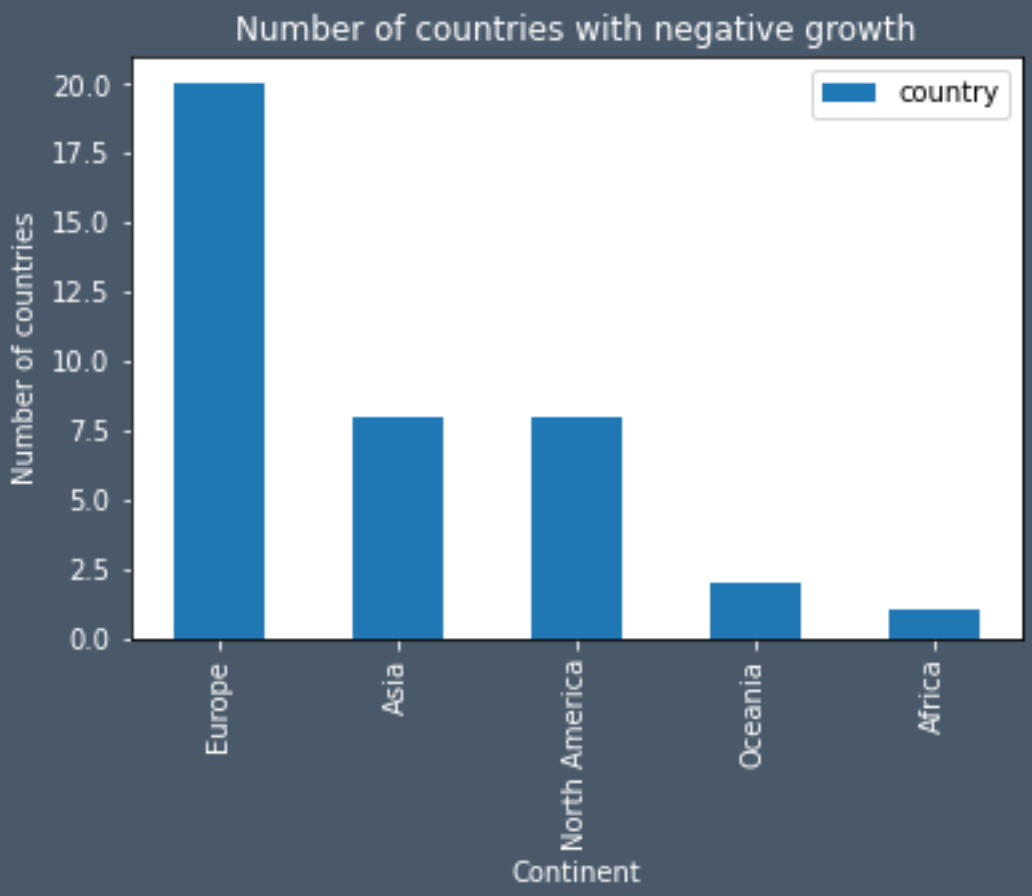


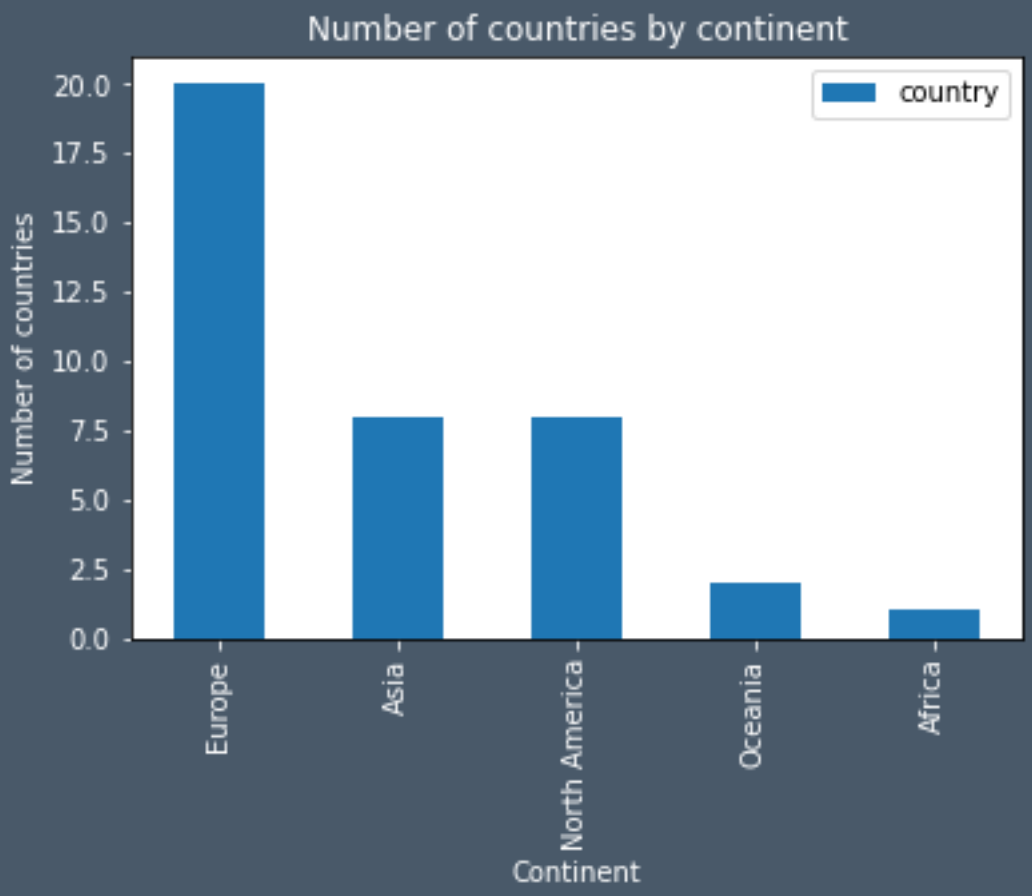
Growth Rates Per Continent (2021)

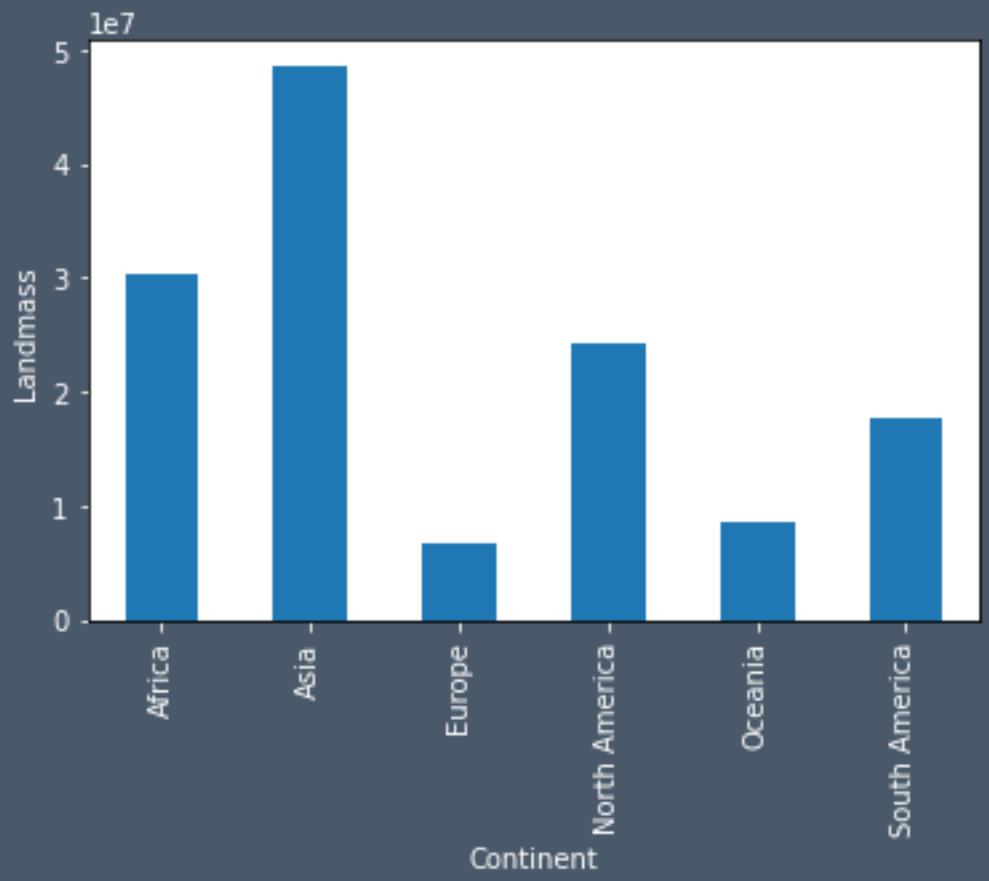


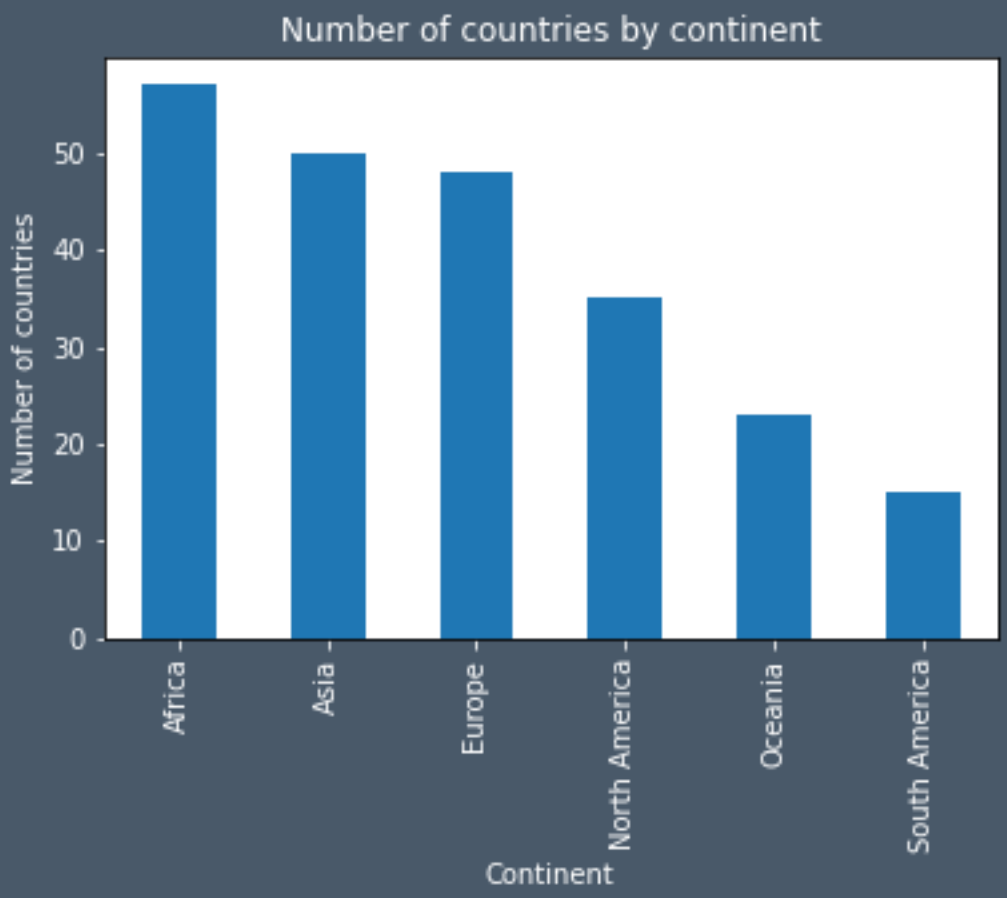
Growth Rates Per Continent (2020)



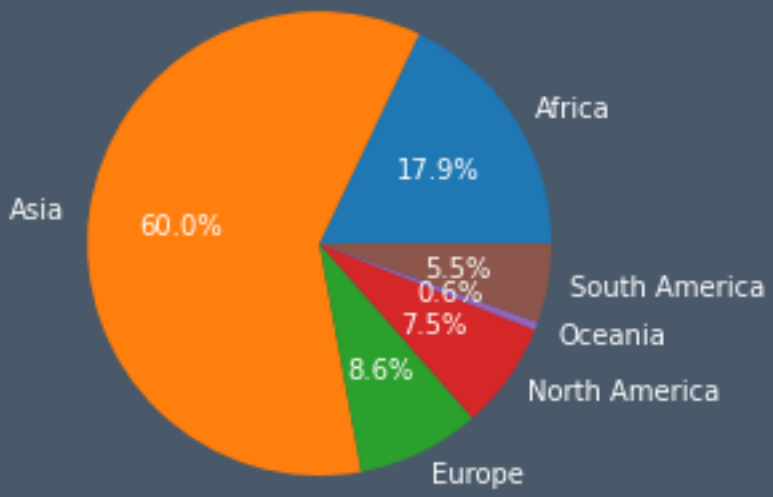

Number of countries with negative growth
country
Number of countries
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Europe
Asia
North America
Oceania
Africa
Continent


Number of countries by continent
country
Number of countries
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Europe
Asia
North America
Oceania
Africa
Continent

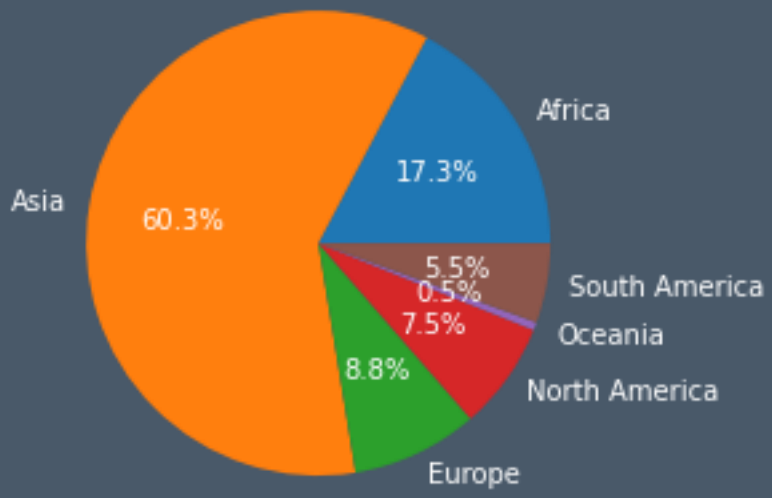

Continent Landmass
1e7
5
4
3
2
1
0
Landmass
Africa
Asia
Europe
North America
Oceania
South America
Continent



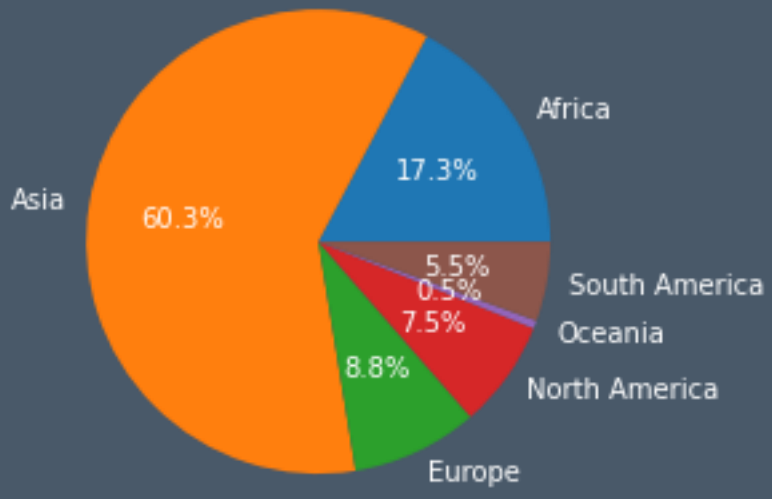
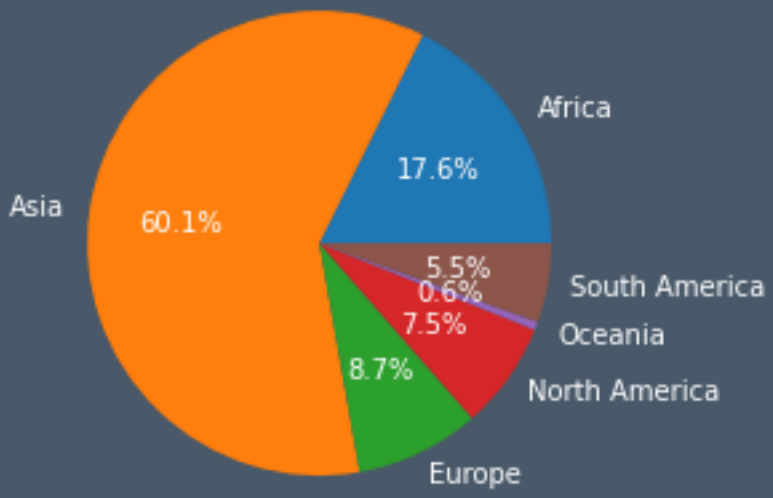
Continent populations 2022



Continent populations 2020



Continent populations 2020



Continent populations 2021