



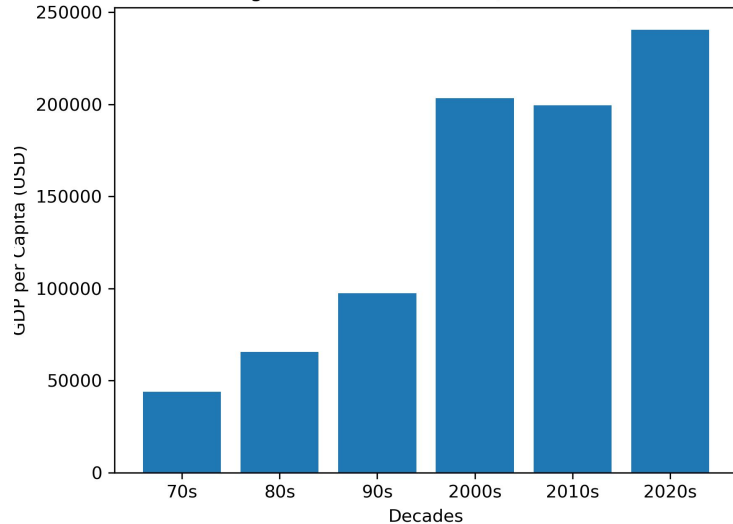
Countries' GDP Compared

Contributors- Conner Dekok, Emily Turner, Zane Huttinga, Dylan Phimister, And Kossivi Agbenhevi.

Highest GDP Per Decade.

- Monaco had the highest GDP for every decade from 1970-2022

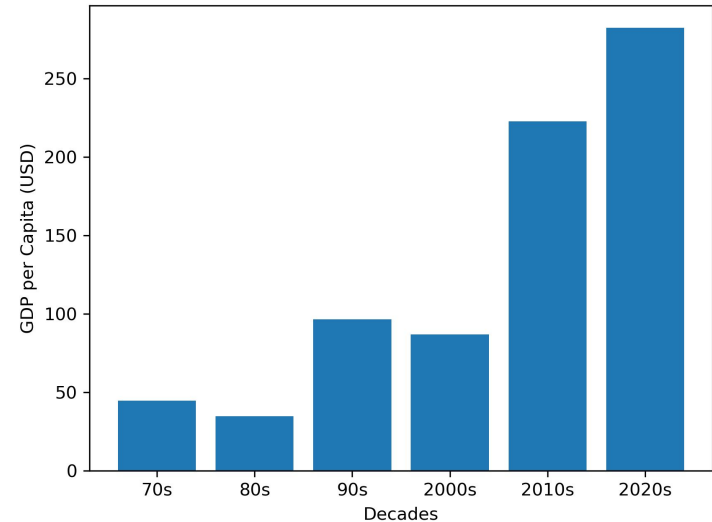
Highest GDP Per Decade (1970-2022)



Lowest GDP Per Decade.

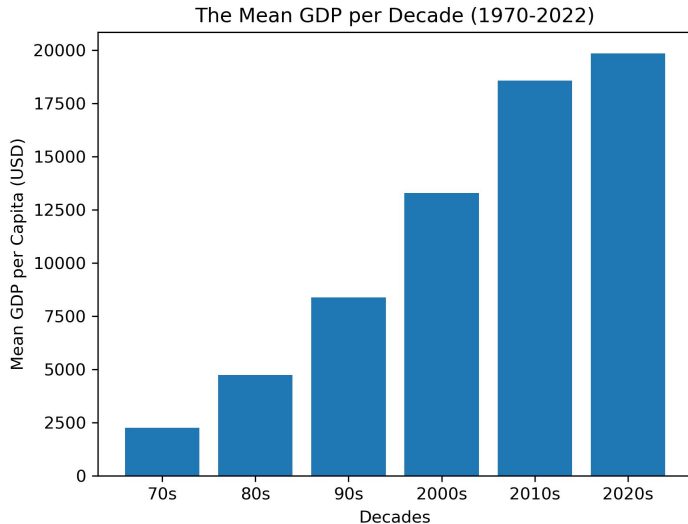
- Burundi had the lowest GDP from the 2000-2022
- The lowest GDP was
- Vietnam with \$34.72

Lowest GDP Per Decade (1970-2022)



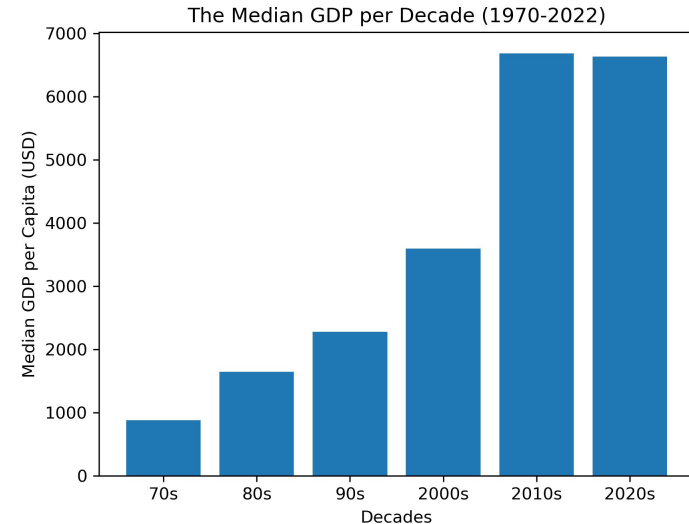
Mean Of GDP by Decade

- Highest mean GDP was in the 2020s at \$19,853.74
- Lowest mean GDP was in the 70s at \$2,254.60

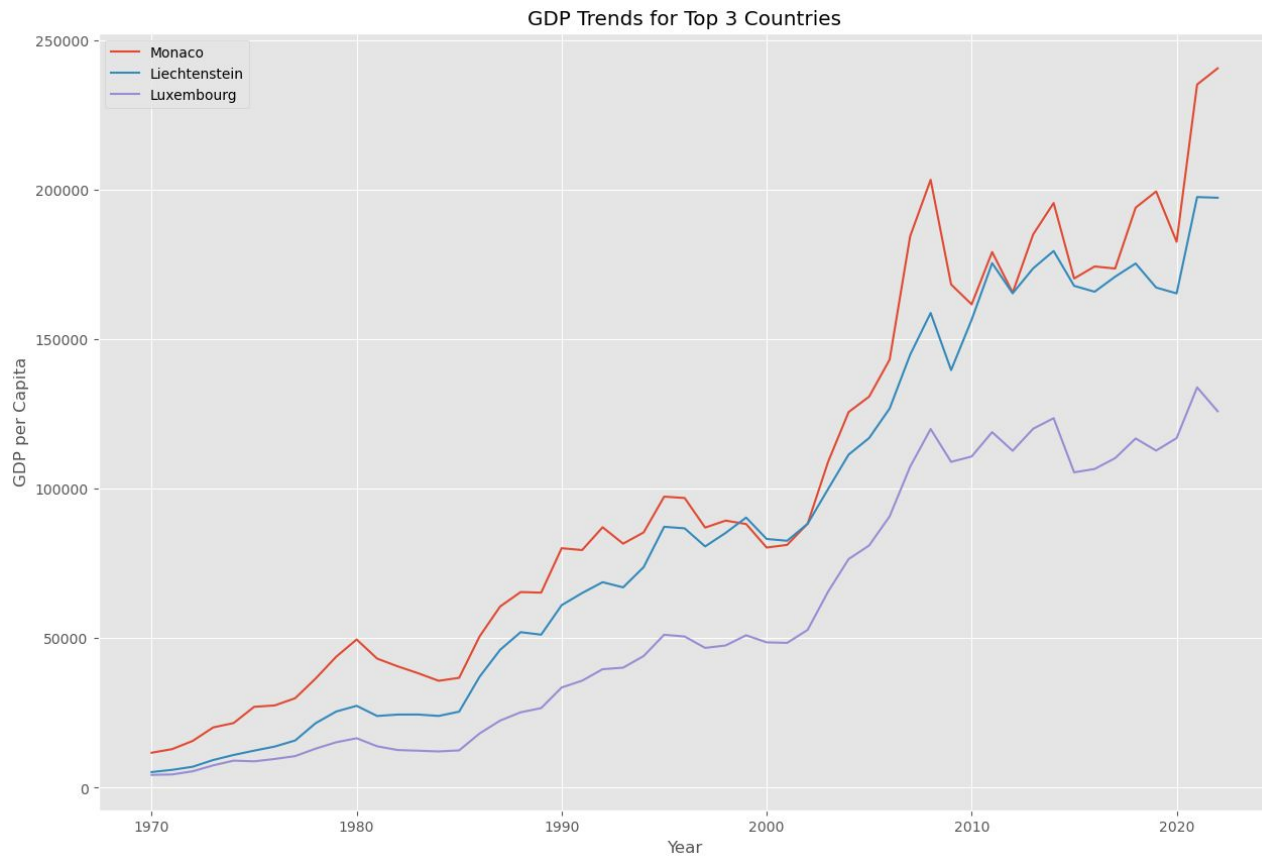


Median Of GDP by Decade

- Highest median GDP was in the 2010s at \$6,688.23
- Lowest median GDP was in the 70s at \$879.33

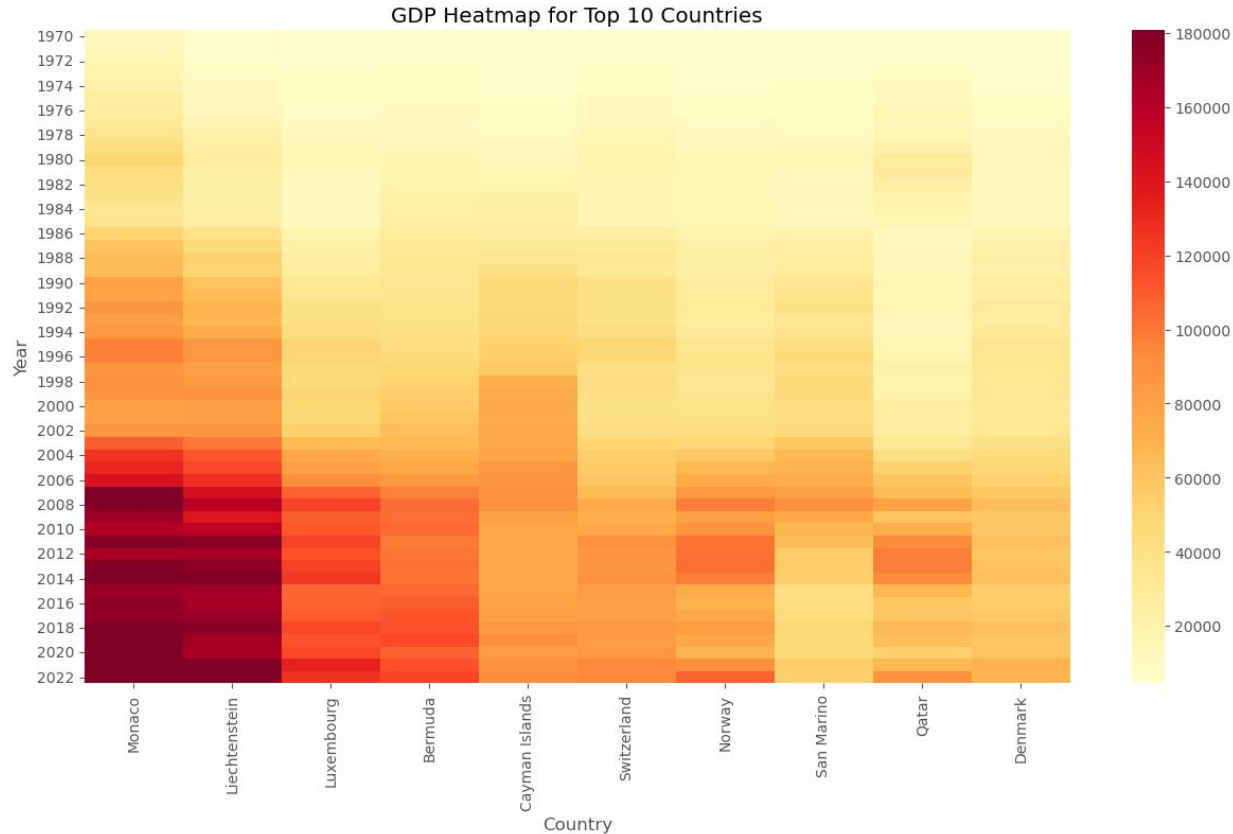


Top 3 Countries GDP



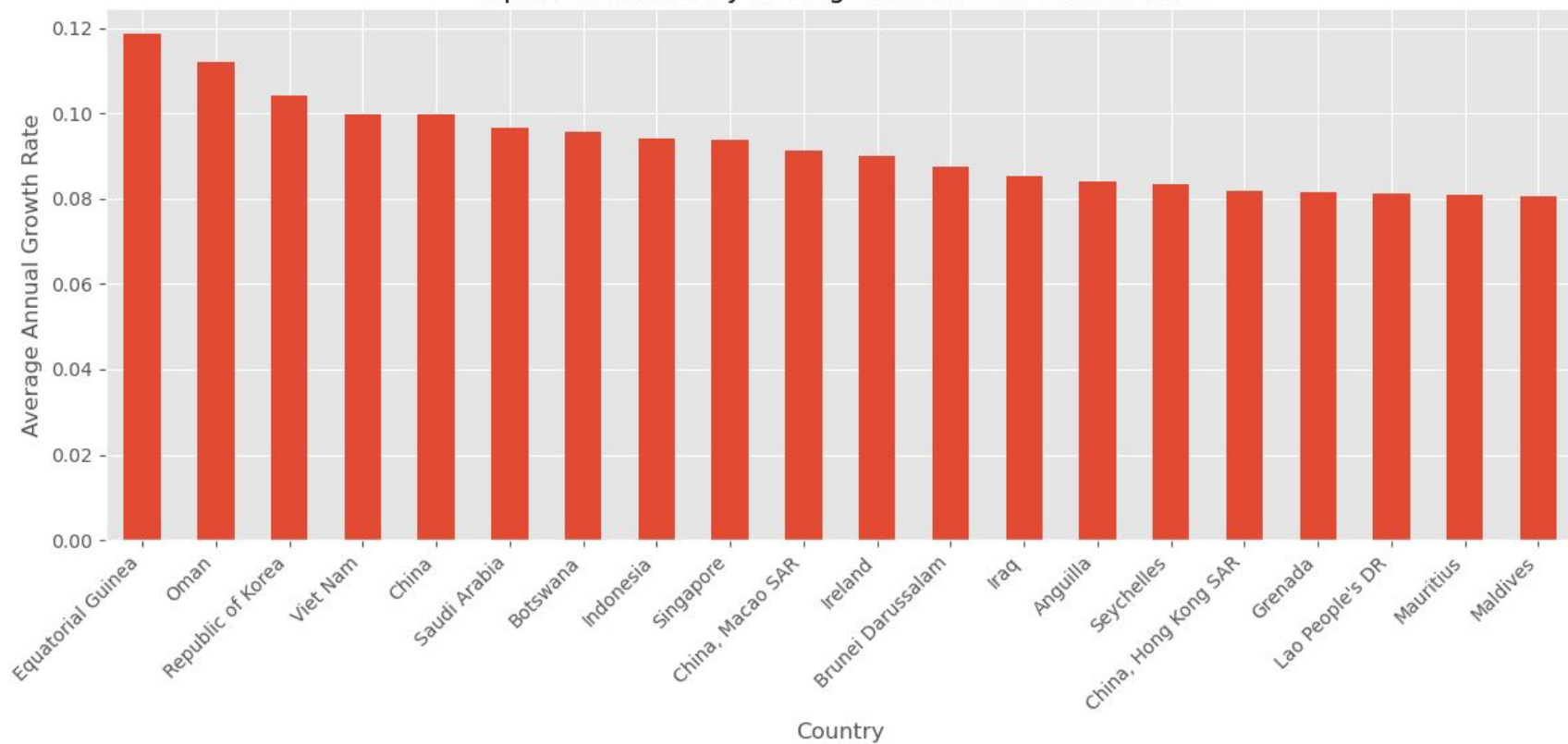
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Top three countries by average GDP:  
Country  
Monaco          101434.507861  
Liechtenstein    87531.970254  
Luxembourg       56886.591649  
Name: Mean, dtype: float64
```


Heat Map



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Top ten countries by average GDP:  
Country  
Monaco      101434.507861  
Liechtenstein  87531.970254  
Luxembourg   56886.591649  
Bermuda      55877.934064  
Cayman Islands 51709.269553  
Switzerland  45710.155719  
Norway       44428.328267  
San Marino   37627.663091  
Qatar        36375.723093  
Denmark      33874.038351  
Name: Mean, dtype: float64
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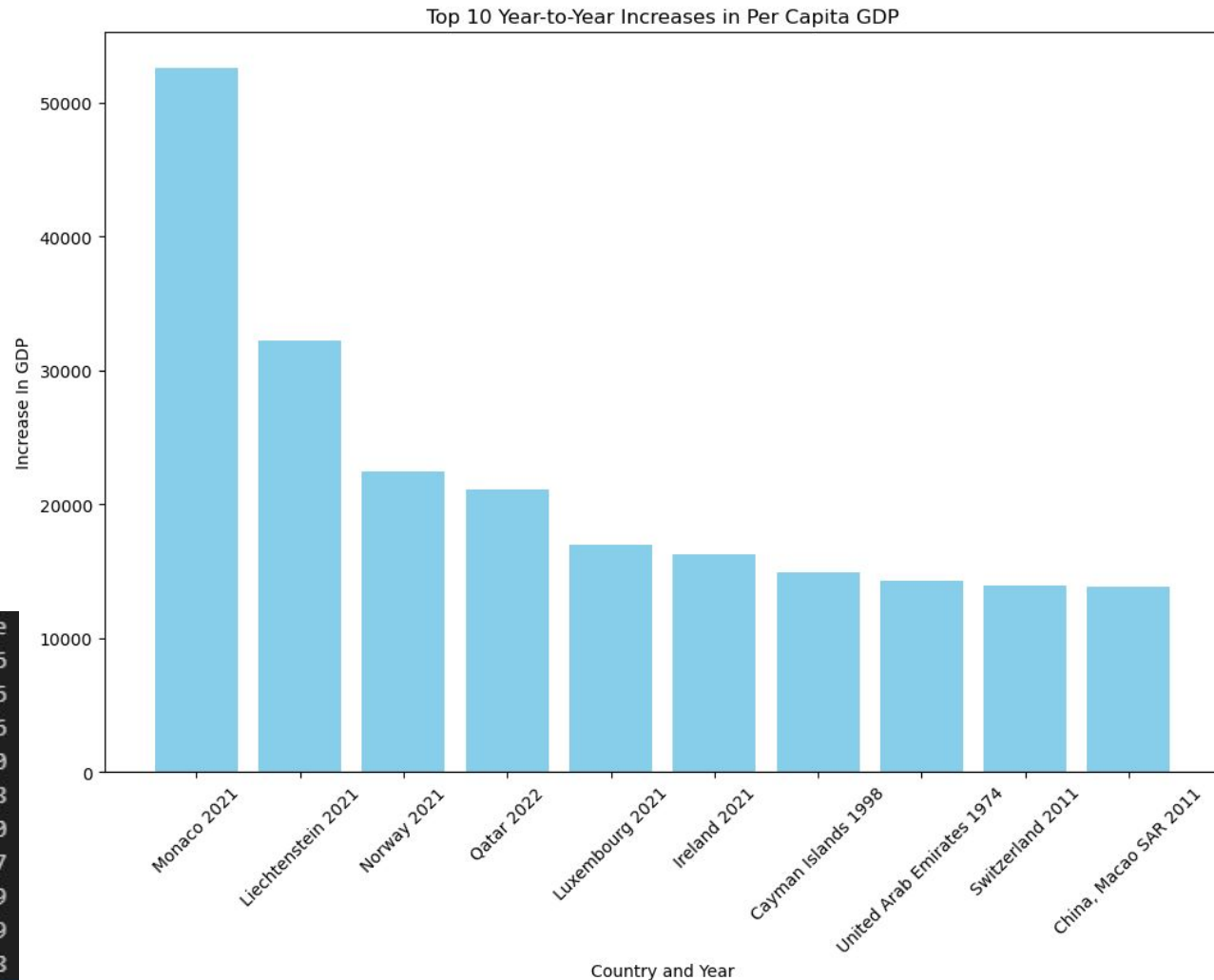
Top 20 Countries by Average Annual GDP Growth Rate



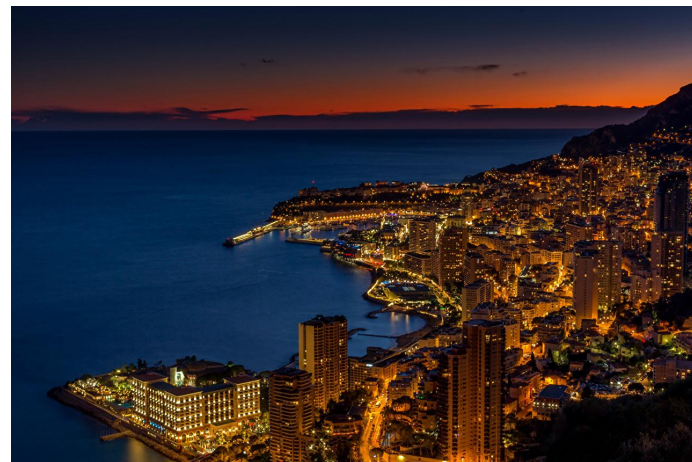
Top Year To Year Increases.

- Monaco had the highest overall increase in 2021 of a GDP of \$52,595.
- The UAE had the 8th largest increase in 1974 with a total of \$14,257

Country	Year	Increase
Monaco	2021	52595.440956
Liechtenstein	2021	32217.339506
Norway	2021	22408.906866
Qatar	2022	21115.424320
Luxembourg	2021	16958.111008
Ireland	2021	16300.245910
Cayman Islands	1998	14954.233577
United Arab Emirates	1974	14257.520939
Switzerland	2011	13937.376049
China, Macao SAR	2011	13851.970948



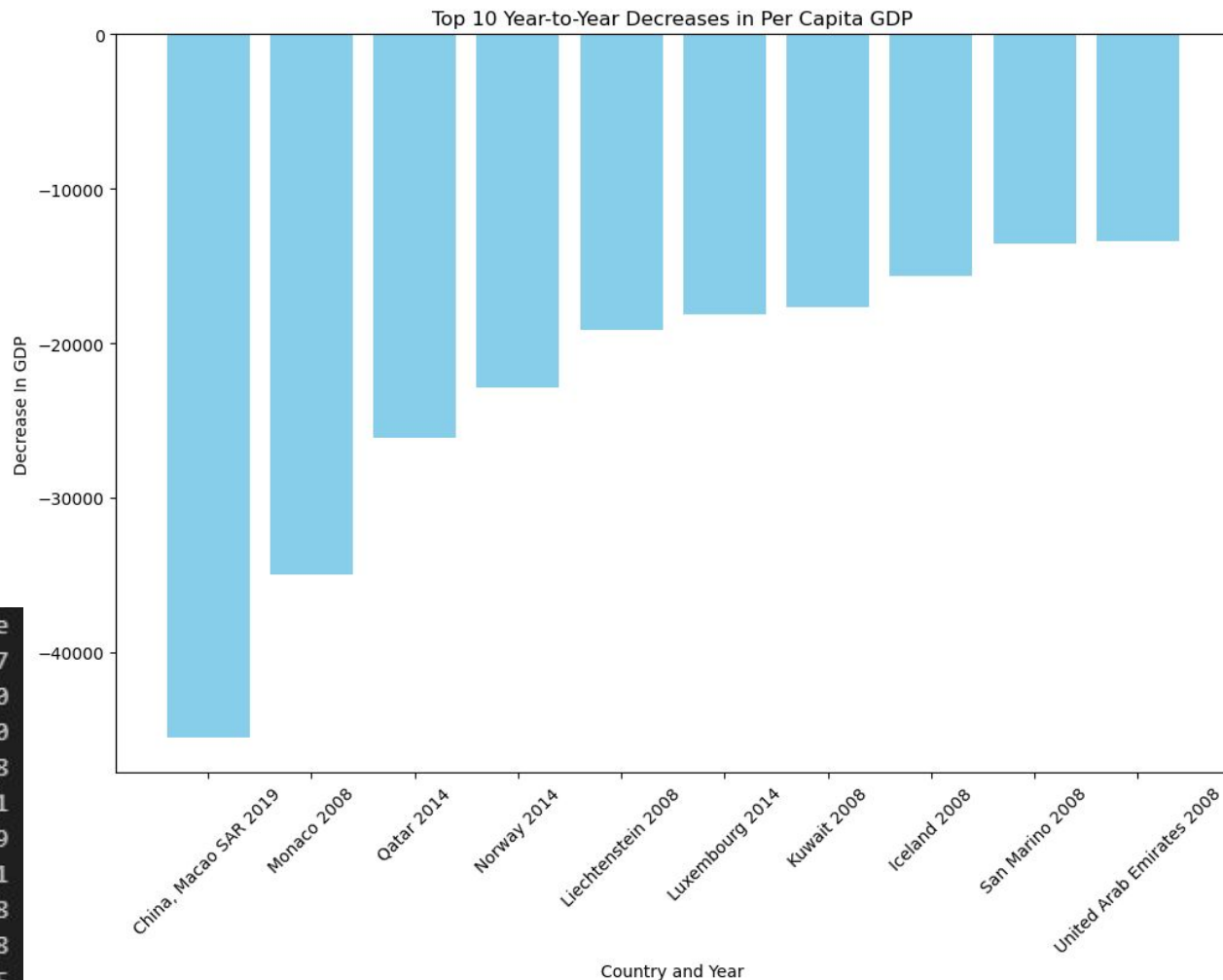
Monaco



Top Year To Year Decreases.

- China had the the greatest overall decrease in a single year of 2019 of GDP with \$45,523.
- Monaco had the 2nd greatest decrease in 2008 with a value of \$34,996.

Country	Year	Decrease
China, Macao SAR	2019	45523.897687
Monaco	2008	34996.471630
Qatar	2014	26141.239260
Norway	2014	22868.802968
Liechtenstein	2008	19110.696941
Luxembourg	2014	18113.831009
Kuwait	2008	17689.787421
Iceland	2008	15627.127908
San Marino	2008	13563.414488
United Arab Emirates	2008	13369.782245



China, Macao

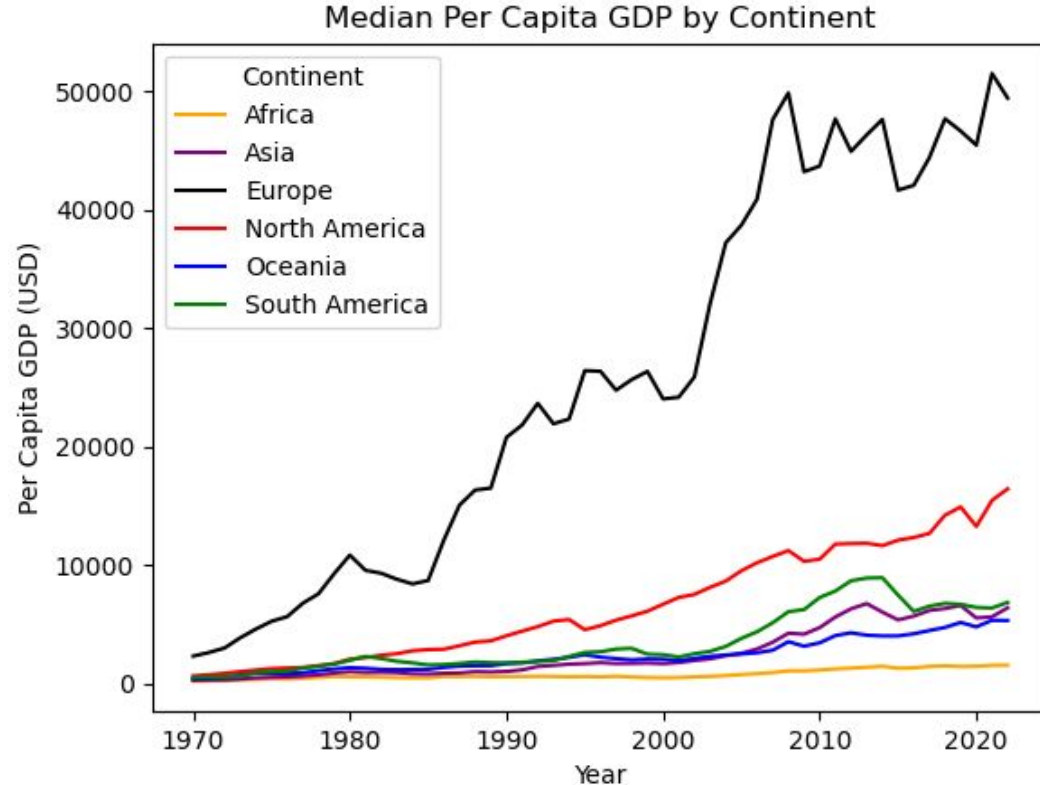


How geography affects GDP



How geography affects GDP

- There is a strong trend in the median GDP of each continent.
- Europe has the highest per capita GDP by far, and this is true for every year since 1970
- The order between all six continents has been mostly stable since 1970.



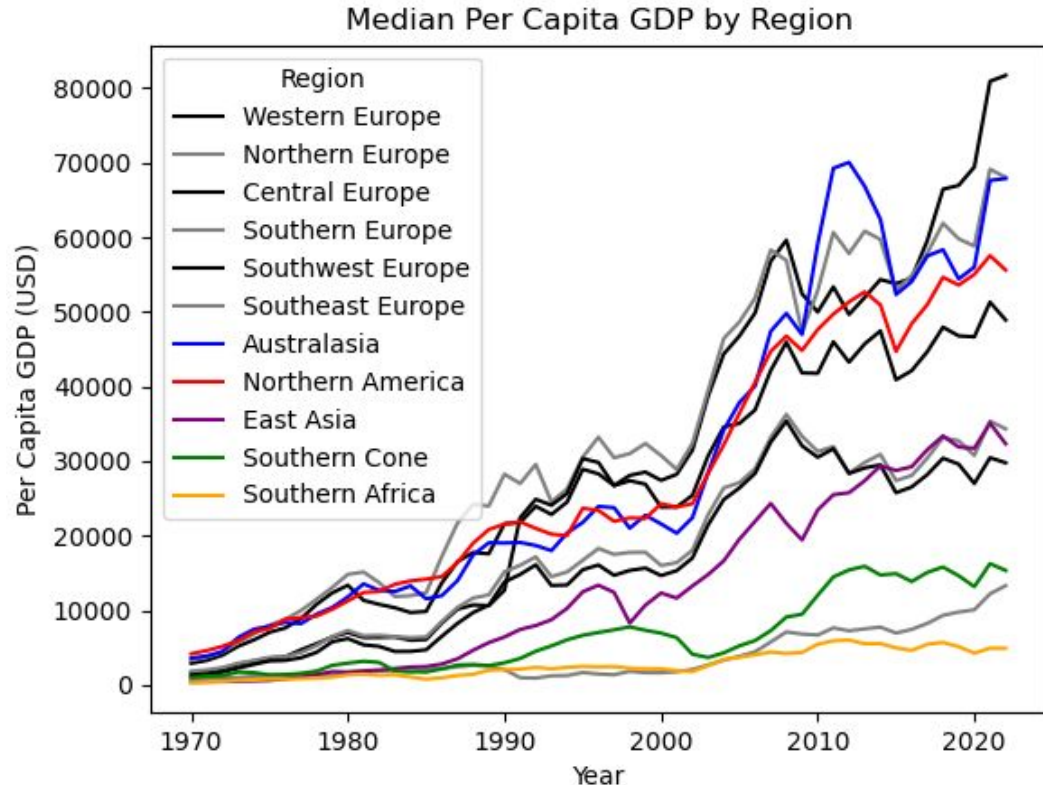
Let's put some numbers to it!

In the following table, we compare the median GDP of countries in each continent to the median of European countries.

Continent	Percentage of European value (2022)	Percentage of European value (average)
North America	33.29%	25.15%
South America	13.91%	14.75%
Asia	12.99%	9.54%
Oceania	10.83%	10.87%
Africa	3.21%	4.20%

Is there a little more to the story?

- Continents are very large groupings of countries.
- When we split by smaller regions, the picture becomes much more complicated.
- We compare each region of Europe to the highest-GDP region of the other continents.



Numerical summary

- In the table at right, we compare the median GDP of Western Europe to that of the other European regions and the richest region of each other continent (as of 2022).
- Note that the regions outside Europe have had median GDPs similar to or higher than those of certain European regions.

Region	% of W. Europe (2022)	% of W. Europe (average)
Northern Europe	83.28%	110.34%
Australasia	83.08%	96.54%
Northern America	68.06%	95.88%
Central Europe	59.86%	73.22%
Southern Europe	42.00%	58.37%
Southwest Europe	36.44%	51.13%
East Asia	39.54%	33.19%
Southern Cone	18.78%	21.58%
Southeast Europe	16.28%	12.82%
Southern Africa	6.01%	9.17%



Any Questions?!