

The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle. They are scattered across the slide, with a higher concentration in the top-left and bottom-right corners.

# **Skin Cancer Origin using CO<sub>2</sub>, Global Population and Life Expectancy**

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# Problem Statement

Researchers are investigating the origins of skin cancer and they must track when the ozone layer started to deteriorate. Carbon dioxide emissions are known to be harmful to the earth's atmosphere and usually spoken of regarding climate change, life expectancy and population fluctuations. The objective of this project are to find out which countries were the highest emitters of carbon dioxide at the earliest stages when carbon emissions came about. According to Gapminder's data, the earliest records of carbon dioxide emissions is 1800.

# DATA FINDINGS

If I was a researcher investigating the origins of carbon dioxide emissions and where the root of skin cancer may have evolved from, I would recommend starting in Qatar. According the data given, from 1800 to 1820 Qatar had the highest carbon dioxide emissions even though they are one the countries with the fewest population. Another interesting find is that the next two leading countries of carbon dioxide emissions were 10 to 12.5 million tonnes less than Qatar and the population of those countries were very similar. Now let me show you!

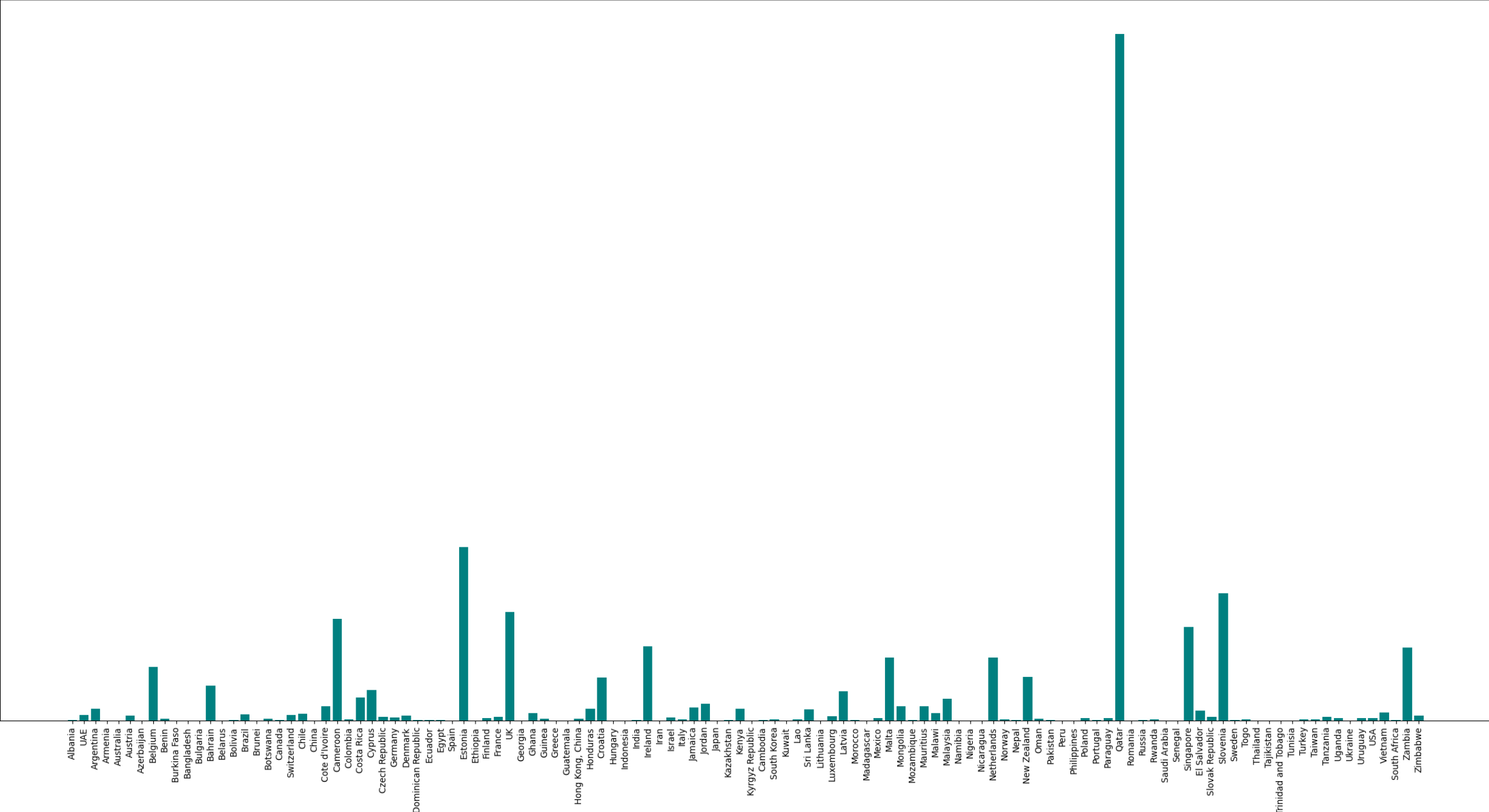
# CO2 Emissions Consumed per Capita 1800 to 1820s

Million Tonnes of CO2

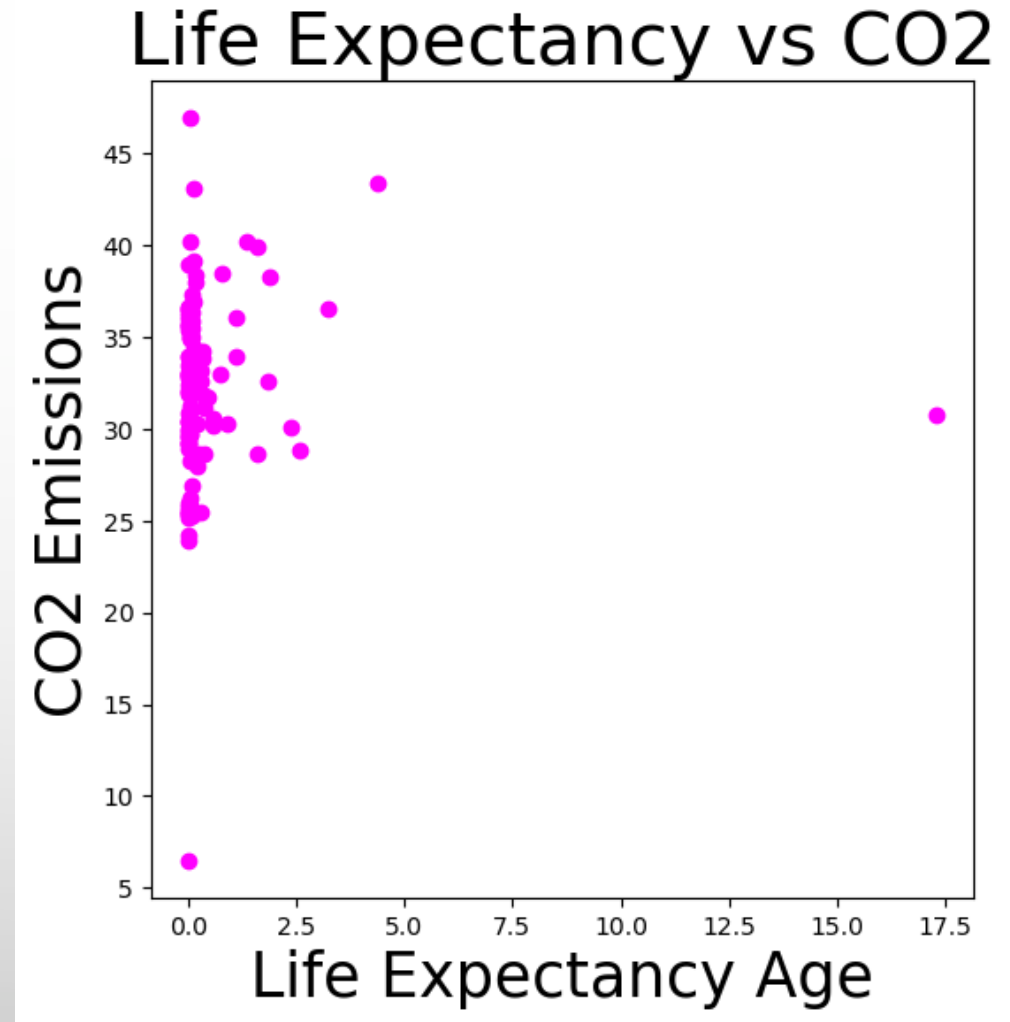
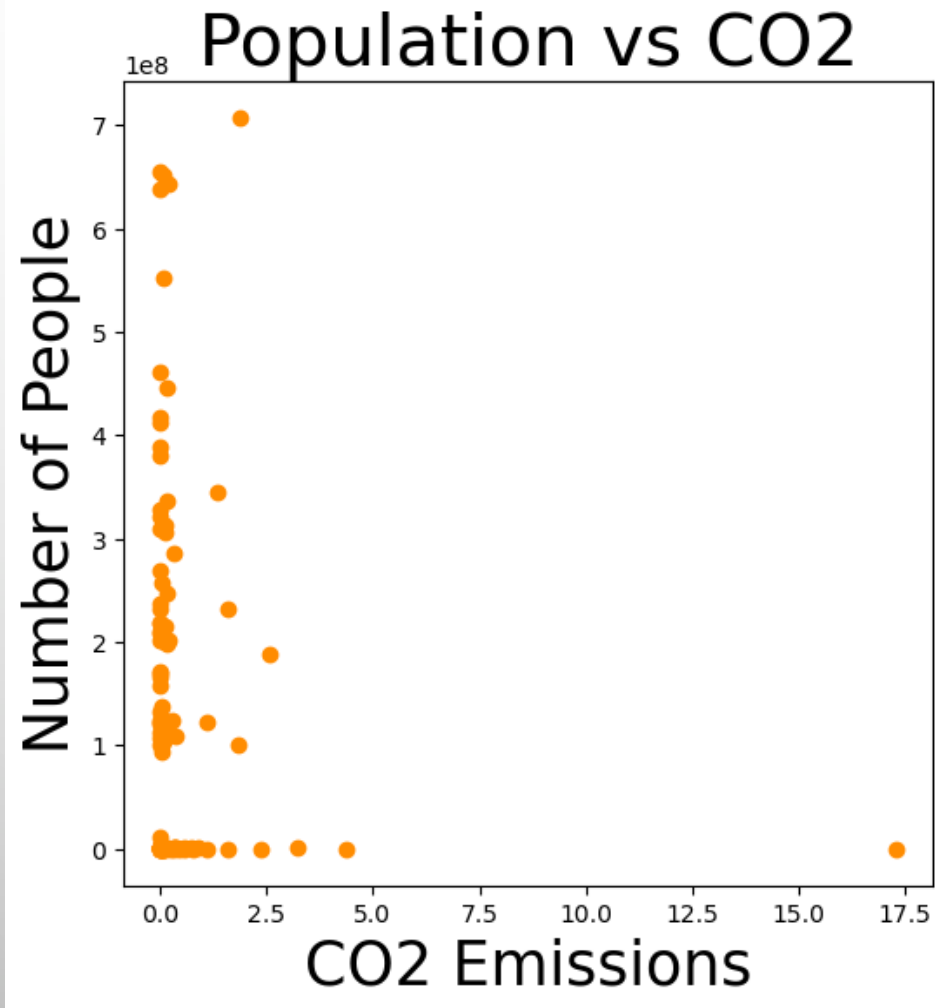
17.5  
15.0  
12.5  
10.0  
7.5  
5.0  
2.5  
0.0

Albania  
UAE  
Argentina  
Armenia  
Australia  
Austria  
Azerbaijan  
Belgium  
Benin  
Burkina Faso  
Bangladesh  
Bulgaria  
Bahrain  
Belarus  
Bolivia  
Brazil  
Brunei  
Botswana  
Canada  
Switzerland  
Chile  
China  
Cote d'Ivoire  
Cameroon  
Colombia  
Costa Rica  
Cyprus  
Czech Republic  
Germany  
Denmark  
Dominican Republic  
Ecuador  
Egypt  
Spain  
Estonia  
Ethiopia  
Finland  
France  
UK  
Georgia  
Ghana  
Guinea  
Greece  
Guatemala  
Hong Kong, China  
Honduras  
Croatia  
Hungary  
Indonesia  
India  
Ireland  
Iran  
Israel  
Italy  
Jamaica  
Jordan  
Japan  
Kazakhstan  
Kenya  
Kyrgyz Republic  
Cambodia  
South Korea  
Kuwait  
Lao  
Sri Lanka  
Lithuania  
Luxembourg  
Latvia  
Morocco  
Madagascar  
Mexico  
Malta  
Mongolia  
Mozambique  
Mauritius  
Malawi  
Malaysia  
Namibia  
Nicaragua  
Netherlands  
Norway  
Nepal  
New Zealand  
Oman  
Pakistan  
Peru  
Philippines  
Poland  
Portugal  
Paraguay  
Qatar  
Romania  
Russia  
Rwanda  
Saudi Arabia  
Senegal  
Singapore  
El Salvador  
Slovak Republic  
Slovenia  
Sweden  
Togo  
Thailand  
Tajikistan  
Trinidad and Tobago  
Tunisia  
Turkey  
Taiwan  
Tanzania  
Uganda  
Ukraine  
Uruguay  
USA  
Vietnam  
South Africa  
Zambia  
Zimbabwe

Countries



# CORRELATION?



## WHY? WHAT DOES THIS MEAN?

- Just to check if there was already a events happening, I put graphed a scatter plot to compare CO<sub>2</sub> emissions with population, and CO<sub>2</sub> emissions with life expectancy and there was no correlation. This means that the origin of skin cancer was most likely after the time frame of 1800 and 1820.

# CONCLUSION

- So how could we find a timeframe of possibly when skin cancer became prevalent?  
A way to find out when skin cancer started is to broaden our time using the same functions and see when CO<sub>2</sub> emissions begins to correlate with life expectancy.  
We could also then cross examine the data to see which countries in the respectable time frame had the most carbon dioxide emissions and that could be a prime location to investigate skin cancer origination.