Life Expectancy Research Project

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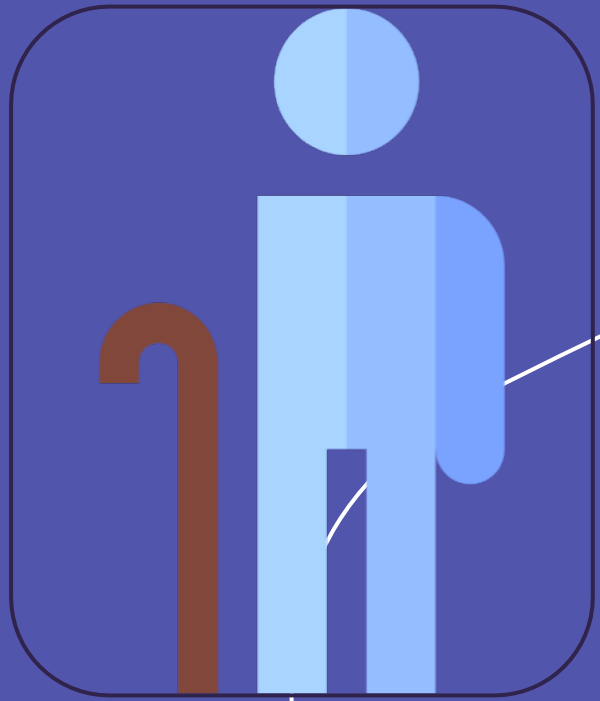
Brief Background

Life Expectancy

This is a research project where the company 'Data Analytixs' is trying to get insight on how the world has changing from past 34 years in terms of life expectancy, income, population, child mortality and children born per woman.

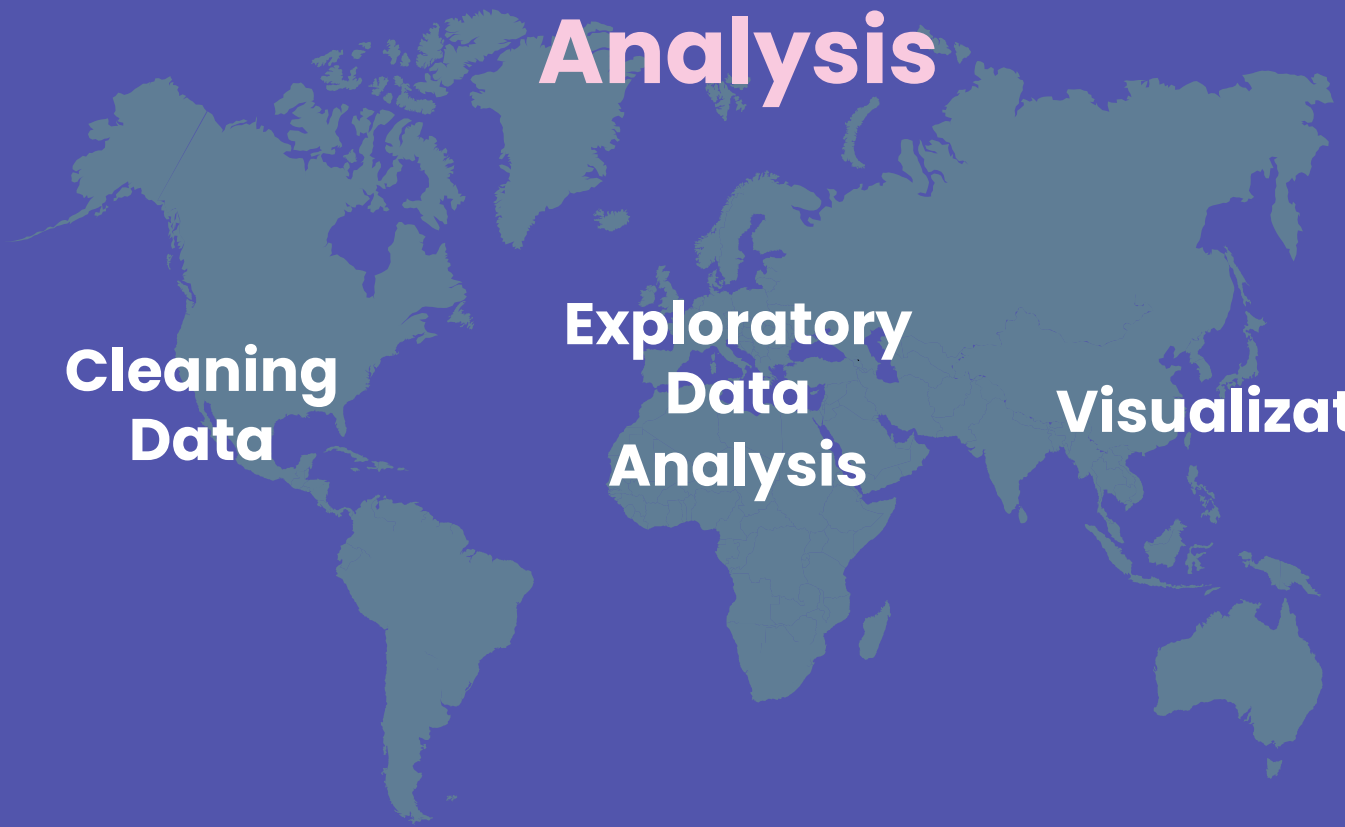
we're going to take a look at World Development Statistics from Gapminder, an independent Swedish foundation that aims to make data about the world more accessible and reliable.



Materials for Project

- Datasets from Gapminder.
- Programming Language: Python
- Libraries: Pandas, Seaborn, Matplotlib

Analysis



Cleaning Data

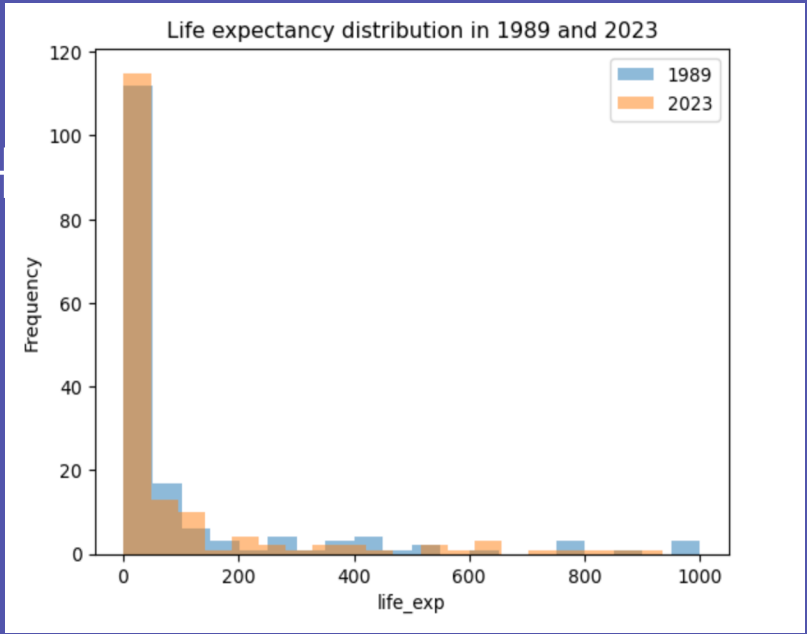
Exploratory Data Analysis

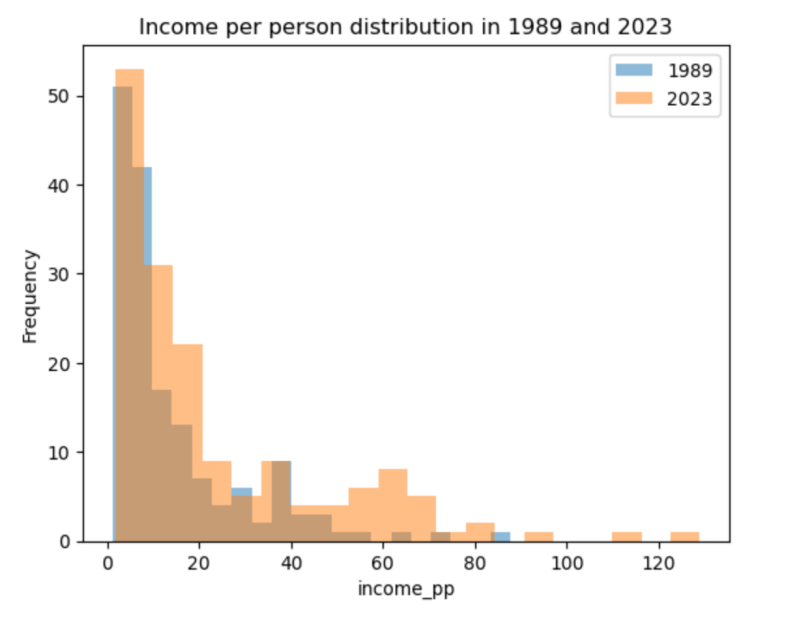
Visualization

Findings

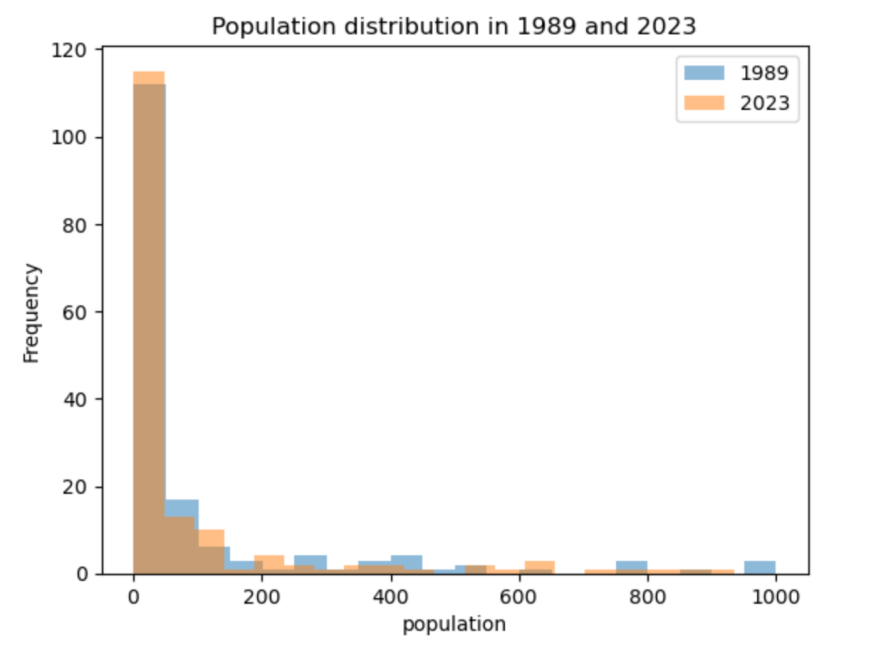
- The continent which has changed most in life expectancy from 1989 to 2023 is: Oceania
- The continent which has changed most in income per person from 1989 to 2023 is: Europe.
- The continent which has changed most in population from 1989 to 2023 is: Africa
- The continent which has changed most in fertility from 1989 to 2023 is: Asia
- The continent which has changed most in child mortality from 1989 to 2023 is: Africa

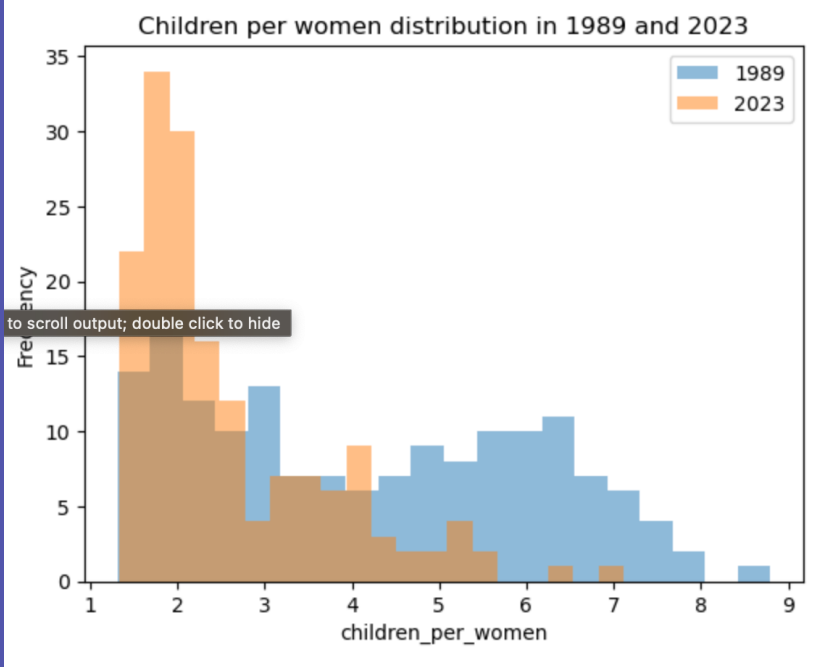
Findings


Life expectancy distribution in 1989 and 2023
1989
2023
Frequency
life_exp
0
20
40
60
80
100
120
0
200
400
600
800
1000

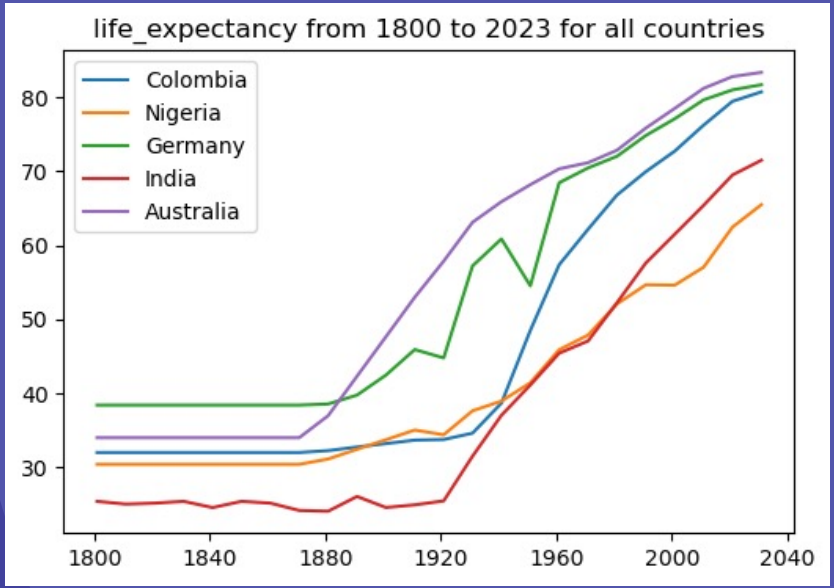

Income per person distribution in 1989 and 2023
1989
2023
Frequency
income_pp
0
10
20
30
40
50
0
20
40
60
80
100
120

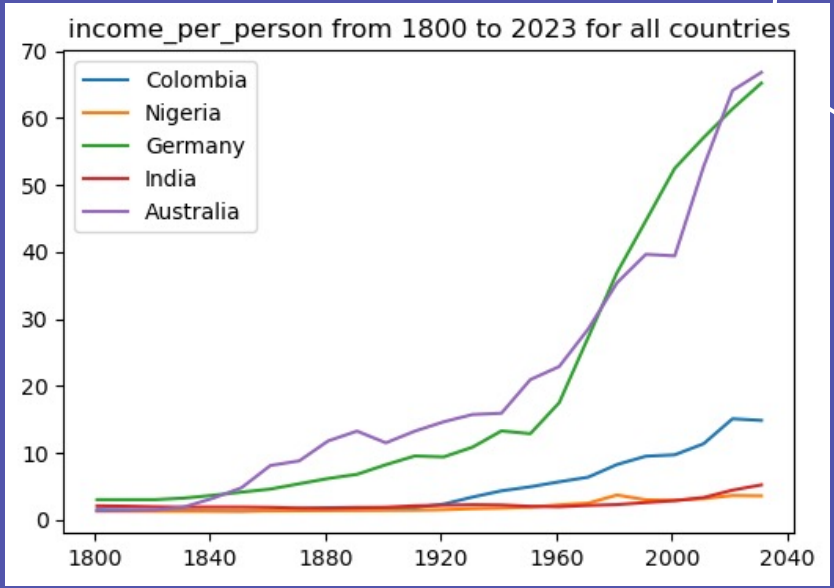
Findings


Population distribution in 1989 and 2023
1989
2023
Frequency
population
0
20
40
60
80
100
120
0
200
400
600
800
1000


Children per women distribution in 1989 and 2023
1989
2023
to scroll output; double click to hide
children_per_women
0
5
10
15
20
25
30
35
1
2
3
4
5
6
7
8
9

More Findings





Conclusion

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