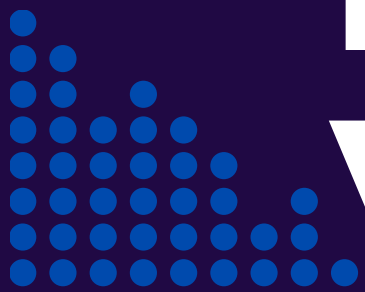
PrepInsta

Winter Internship
By Aditya Rana



Data Visualisation

Week 4

Data visualization in Python by utilizing: Matplotlib, Seaborn, and Plotly

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• World Bank Data

In 2006, Hans Rosling gave a TED talk titled The best stats you've ever seen. At the beginning of the talk, he showed an animation he made to debunk some misconceptions about today's world.

I enjoyed seeing this visualisation and I want you to reproduce it with the tools you know (i.e. Python, Pandas, Numpy, Seaborn and Matplotlib).

Final Dataset

After cleaning, removing & melting.

index	Country Code	Region	Year	Population	Fertility	Life Expectency
0	ABW	Latin America & Caribbean	1960	54211.0	4.82	65.662
1	ABW	Latin America & Caribbean	1961	55438.0	4.655	66.074
2	ABW	Latin America & Caribbean	1962	56225.0	4.471	66.444
3	ABW	Latin America & Caribbean	1963	56695.0	4.271	66.787
4	ABW	Latin America & Caribbean	1964	57032.0	4.059	67.113
5	ABW	Latin America & Caribbean	1965	57360.0	3.842	67.435
6	ABW	Latin America & Caribbean	1966	57715.0	3.625	67.762
7	ABW	Latin America & Caribbean	1967	58055.0	3.417	68.095
8	ABW	Latin America & Caribbean	1968	58386.0	3.226	68.436
9	ABW	Latin America & Caribbean	1969	58726.0	3.054	68.784
10	ABW	Latin America & Caribbean	1970	59063.0	2.908	69.14
11	ABW	Latin America & Caribbean	1971	59440.0	2.788	69.498
12	ABW	Latin America & Caribbean	1972	59840.0	2.691	69.851
13	ABW	Latin America & Caribbean	1973	60243.0	2.613	70.191
14	ABW	Latin America & Caribbean	1974	60528.0	2.552	70.519
15	ABW	Latin America & Caribbean	1975	60657.0	2.506	70.833
16	ABW	Latin America & Caribbean	1976	60586.0	2.472	71.14
17	ABW	Latin America & Caribbean	1977	60366.0	2.446	71.441
18	ABW	Latin America & Caribbean	1978	60103.0	2.425	71.736
19	ABW	Latin America & Caribbean	1979	59980.0	2.408	72.023
20	ABW	Latin America & Caribbean	1980	60096.0	2.392	72.293
21	ABW	Latin America & Caribbean	1981	60567.0	2.377	72.538
22	ABW	Latin America & Caribbean	1982	61345.0	2.364	72.751
23	ABW	Latin America & Caribbean	1983	62201.0	2.353	72.929
24	ABW	Latin America & Caribbean	1984	62836.0	2.342	73.071

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Winter Internship
By Arijit Dhali

Population Trends Over Years by Country

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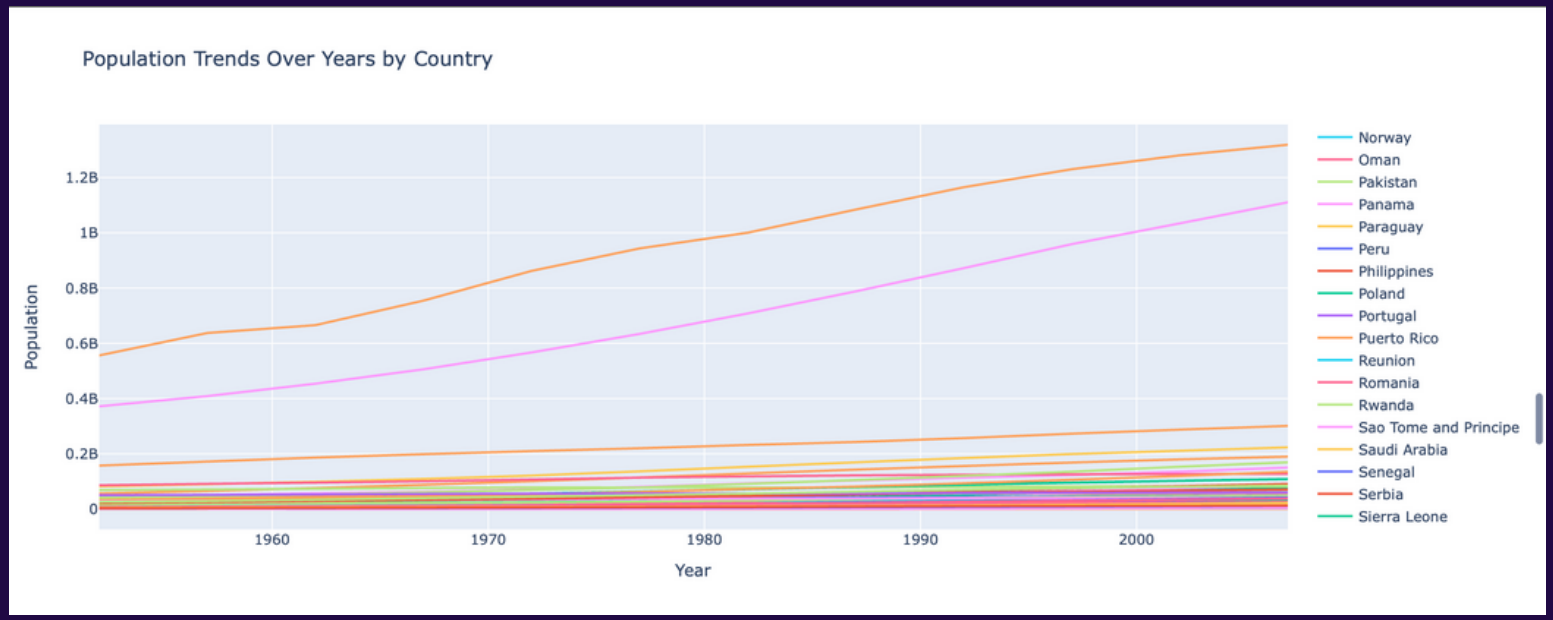
Population Trends Over Years by Country



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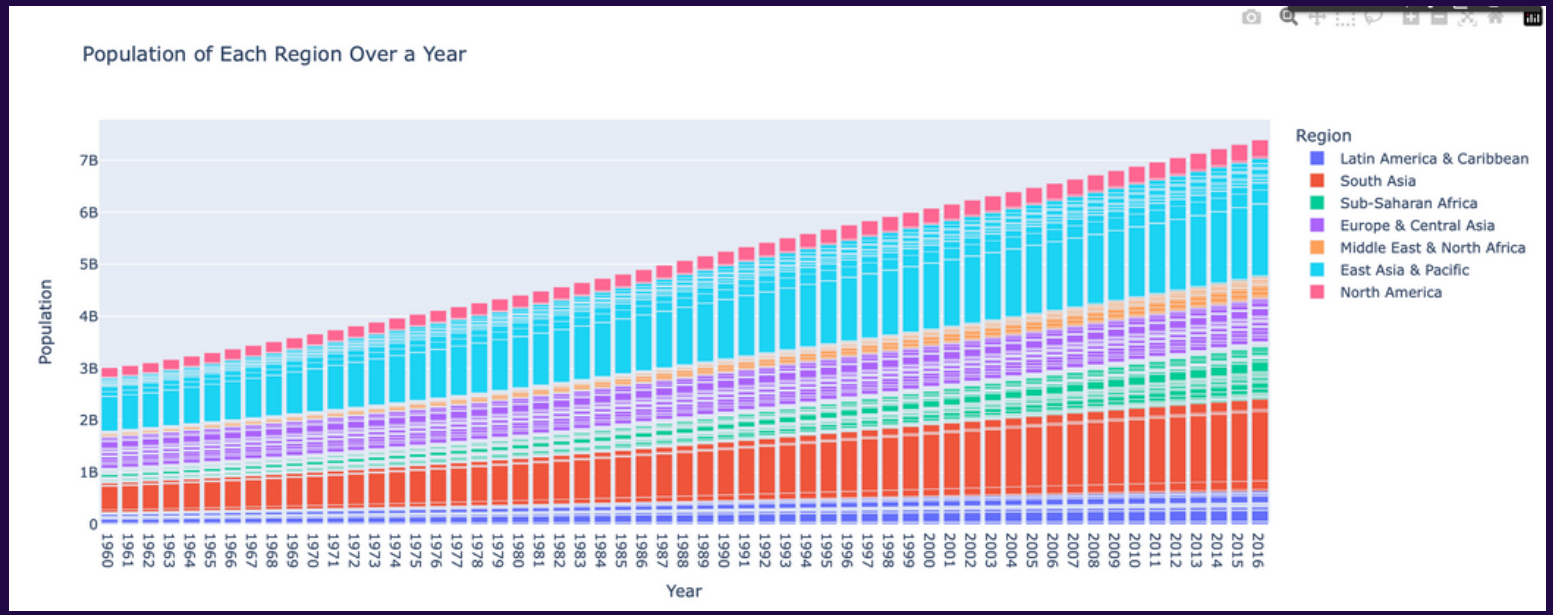
Population of Each region Over a Year



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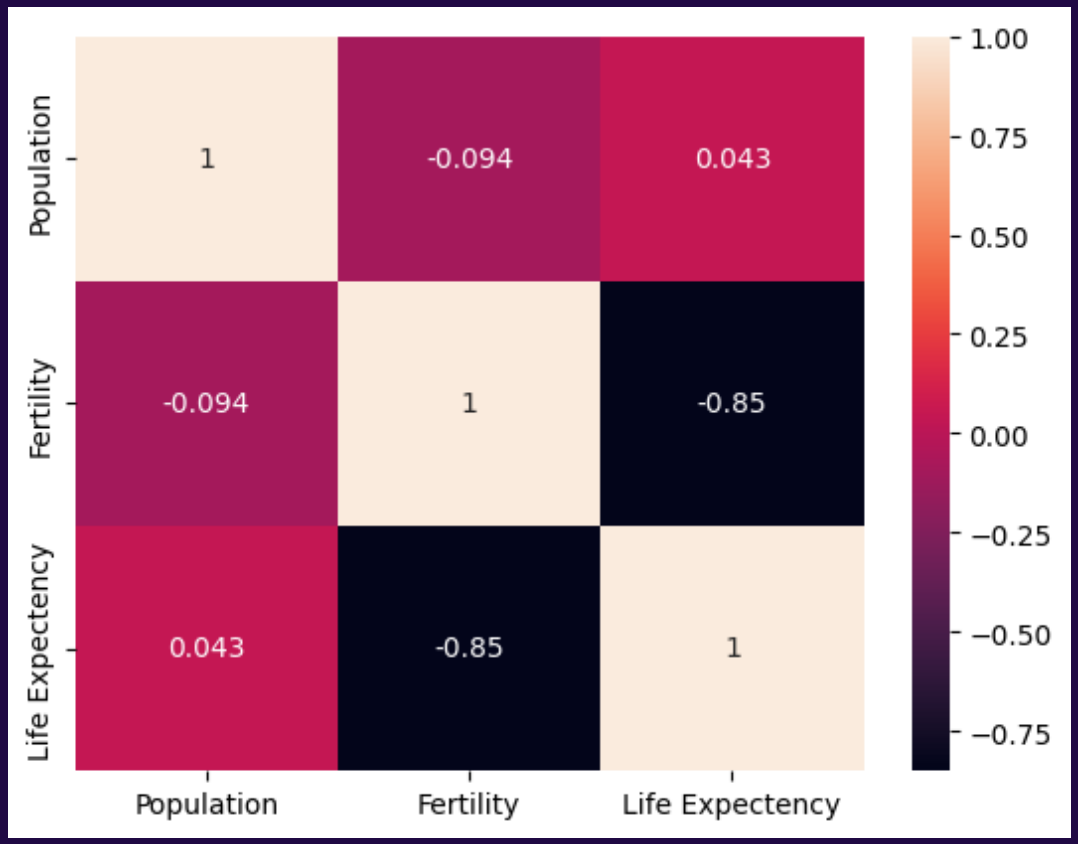
Correlation Analysis



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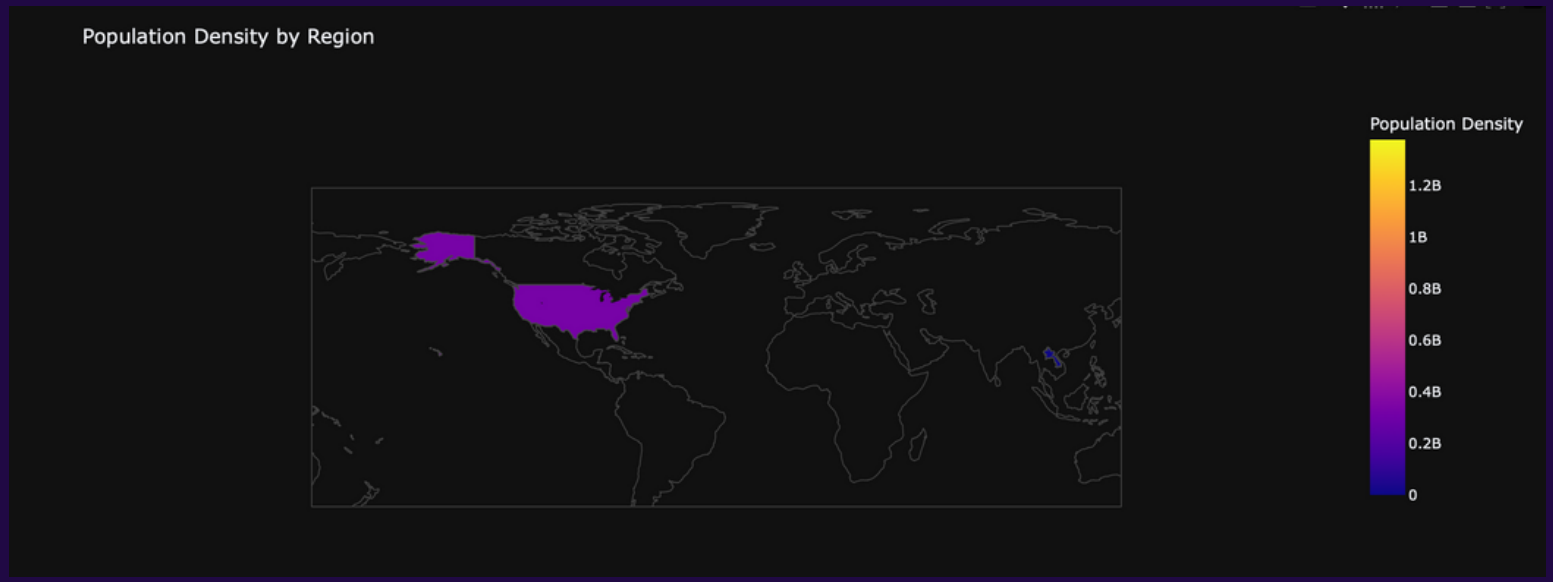
Population density by region



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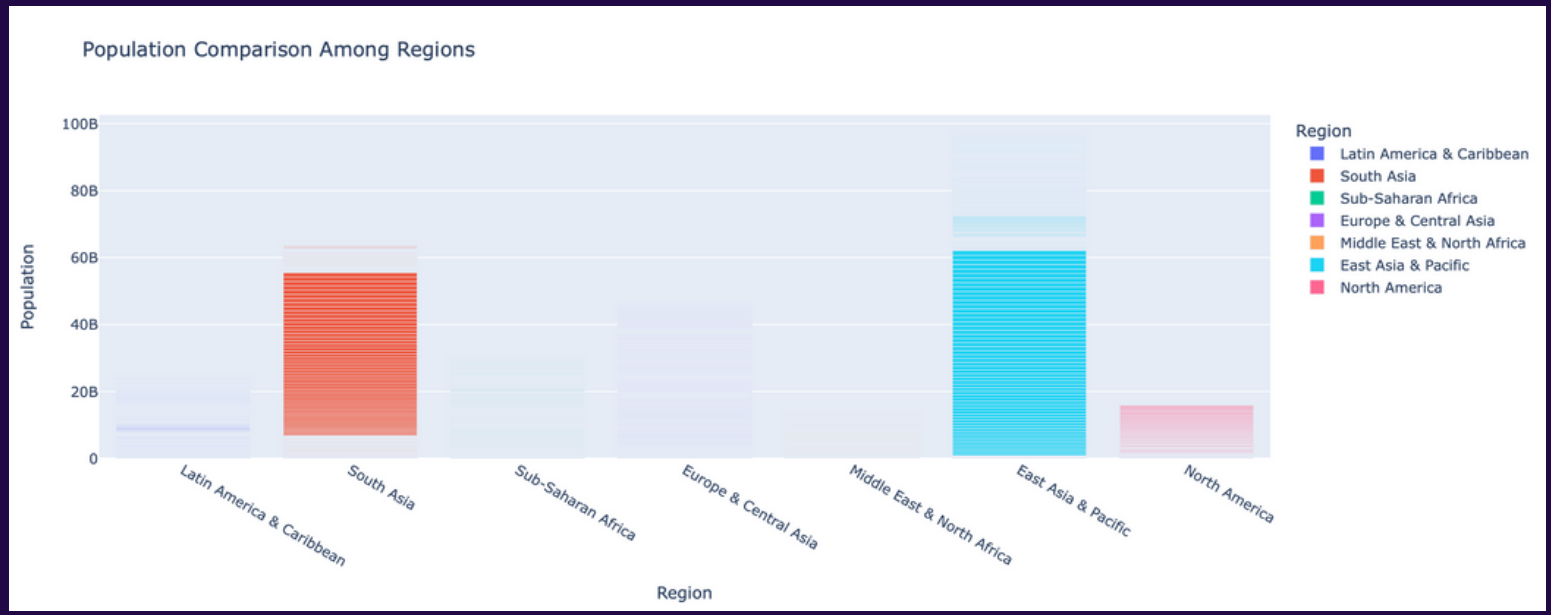
Population Comparison Among region



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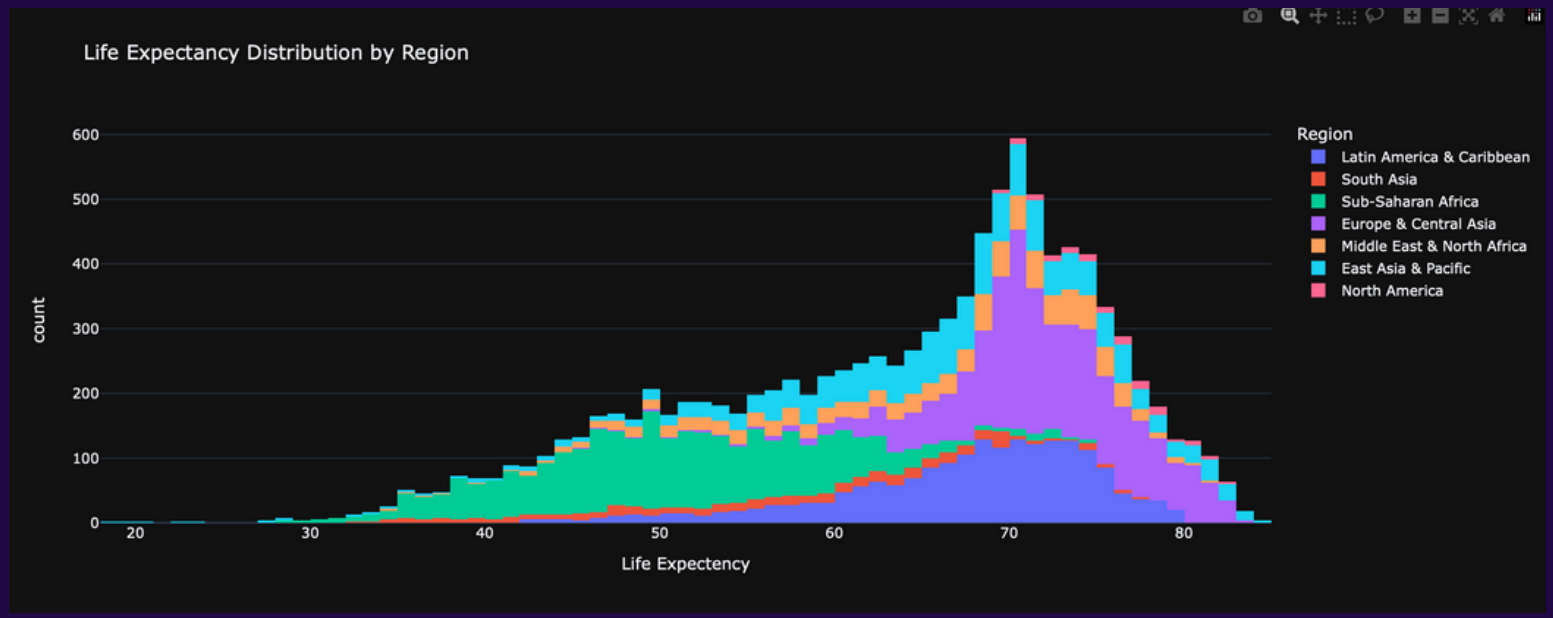
Life Expectancy Distribution by Region



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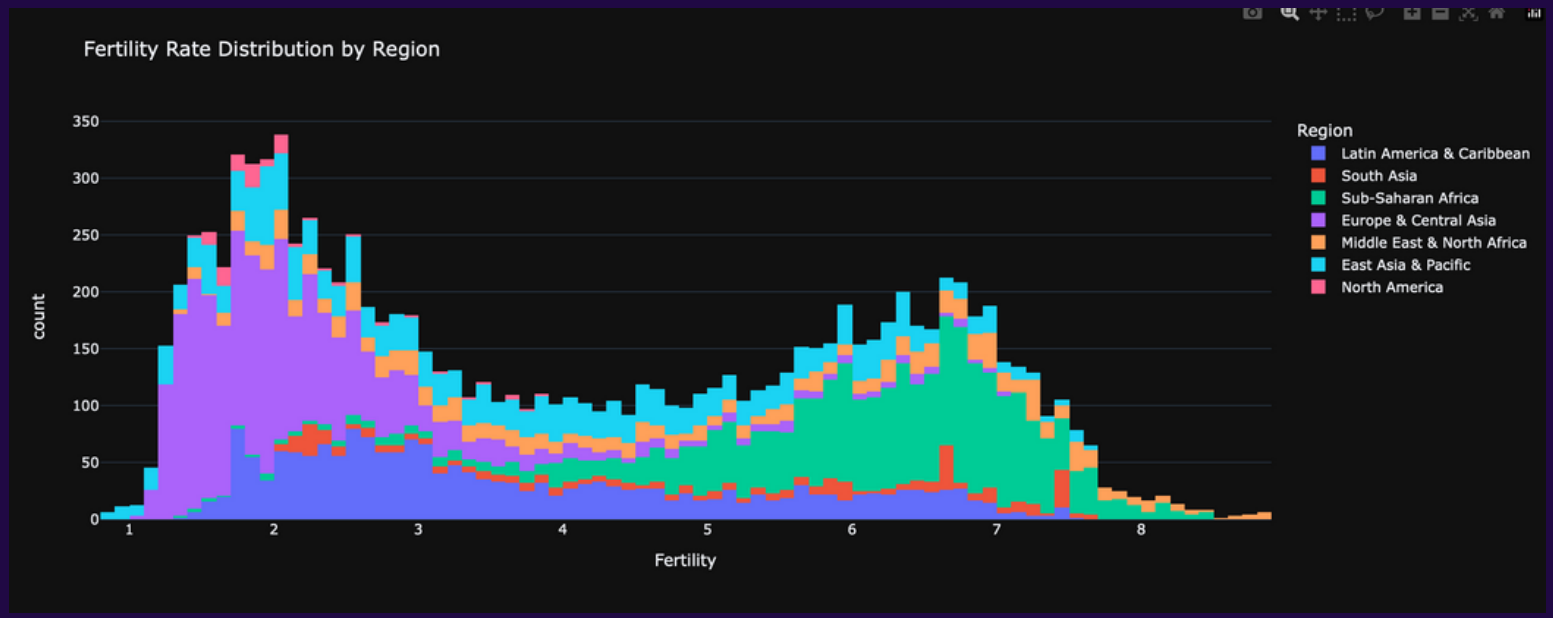
Fertility Rate Distribution by Region