

Highlights on Hans Rosling

World Bank Data
Visual Representation
Week 4

As seen on
TED



Week – 4
World Bank Data

The **Final** Dataset after cleaning, processing, merging and melting

1 to 25 of 12141 entries Filter

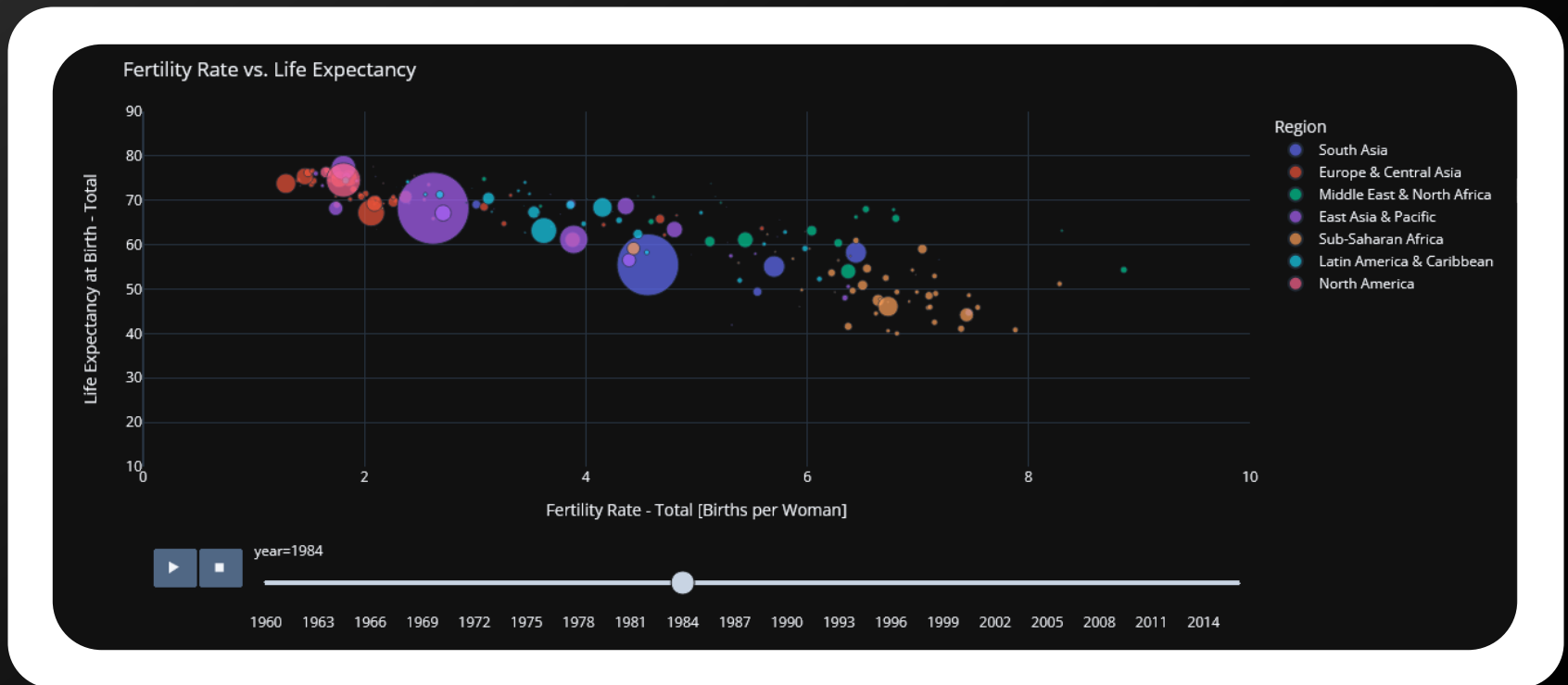
index	country_name	country_code	region	year	population	fertility	expectancy
0	Afghanistan	AFG	South Asia	1960	8996351.0	7.45	32.29
1	Afghanistan	AFG	South Asia	1961	9166764.0	7.45	32.74
2	Afghanistan	AFG	South Asia	1962	9345868.0	7.45	33.18
3	Afghanistan	AFG	South Asia	1963	9533954.0	7.45	33.62
4	Afghanistan	AFG	South Asia	1964	9731361.0	7.45	34.06
5	Afghanistan	AFG	South Asia	1965	9938414.0	7.45	34.49
6	Afghanistan	AFG	South Asia	1966	10152331.0	7.45	34.93
7	Afghanistan	AFG	South Asia	1967	10372630.0	7.45	35.36
8	Afghanistan	AFG	South Asia	1968	10604346.0	7.45	35.8
9	Afghanistan	AFG	South Asia	1969	10854428.0	7.45	36.23
10	Afghanistan	AFG	South Asia	1970	11126123.0	7.45	36.68
11	Afghanistan	AFG	South Asia	1971	11417825.0	7.45	37.13
12	Afghanistan	AFG	South Asia	1972	11721940.0	7.45	37.59
13	Afghanistan	AFG	South Asia	1973	12027822.0	7.45	38.06
14	Afghanistan	AFG	South Asia	1974	12321541.0	7.45	38.54
15	Afghanistan	AFG	South Asia	1975	12590286.0	7.45	39.04
16	Afghanistan	AFG	South Asia	1976	12840299.0	7.45	39.56
17	Afghanistan	AFG	South Asia	1977	13067538.0	7.45	40.09
18	Afghanistan	AFG	South Asia	1978	13237734.0	7.45	40.65
19	Afghanistan	AFG	South Asia	1979	13306695.0	7.45	41.23
20	Afghanistan	AFG	South Asia	1980	13248370.0	7.45	41.85
21	Afghanistan	AFG	South Asia	1981	13053954.0	7.45	42.51
22	Afghanistan	AFG	South Asia	1982	12749645.0	7.45	43.22
23	Afghanistan	AFG	South Asia	1983	12389269.0	7.45	43.96
24	Afghanistan	AFG	South Asia	1984	12047115.0	7.46	44.75

Show 25 per page

1 2 10 100 400 480 486

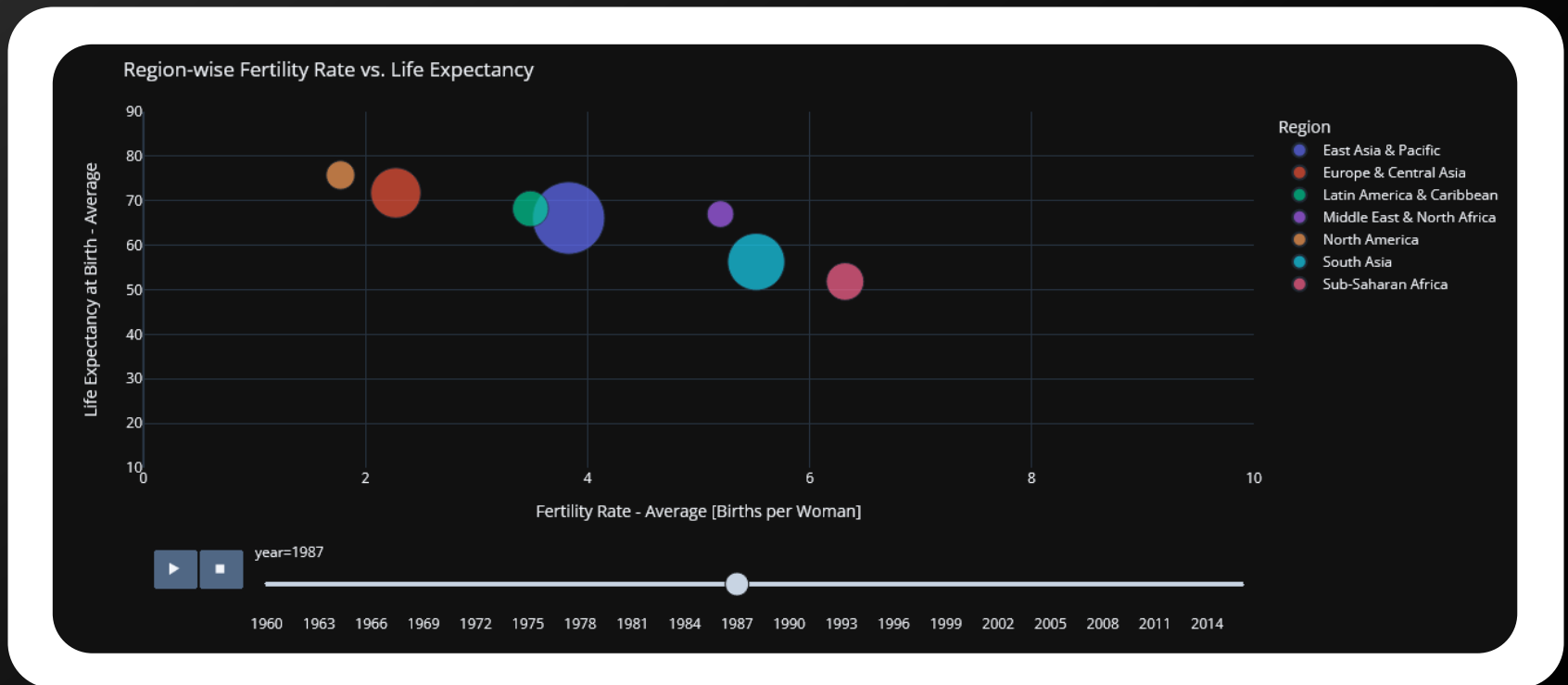
.....and so on. This is what the Final dataset looks like.

1.1. Scatter Plot comparing Fertility Rate and Life Expectancy [Countrywise]:



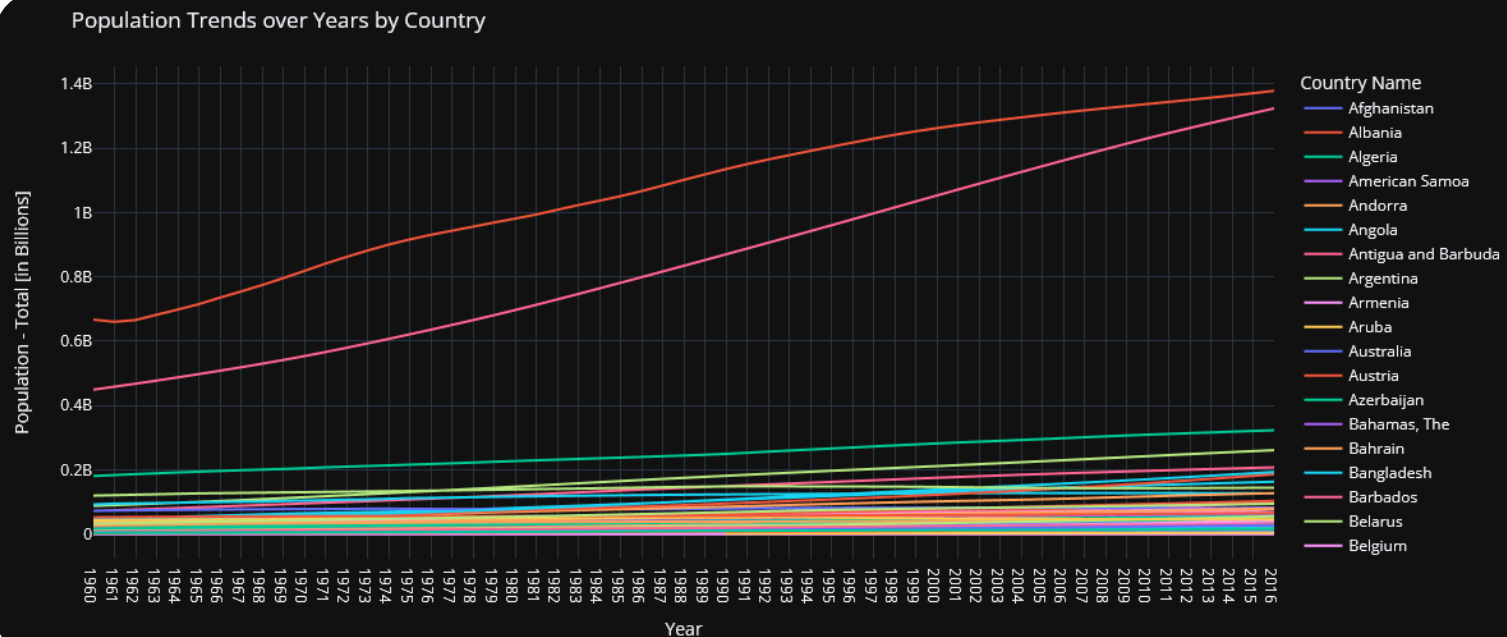
Recreating the motion graph by **Sir Hans Rosling**

1.2. Scatter Plot comparing Fertility Rate and Life Expectancy [Regionwise]:



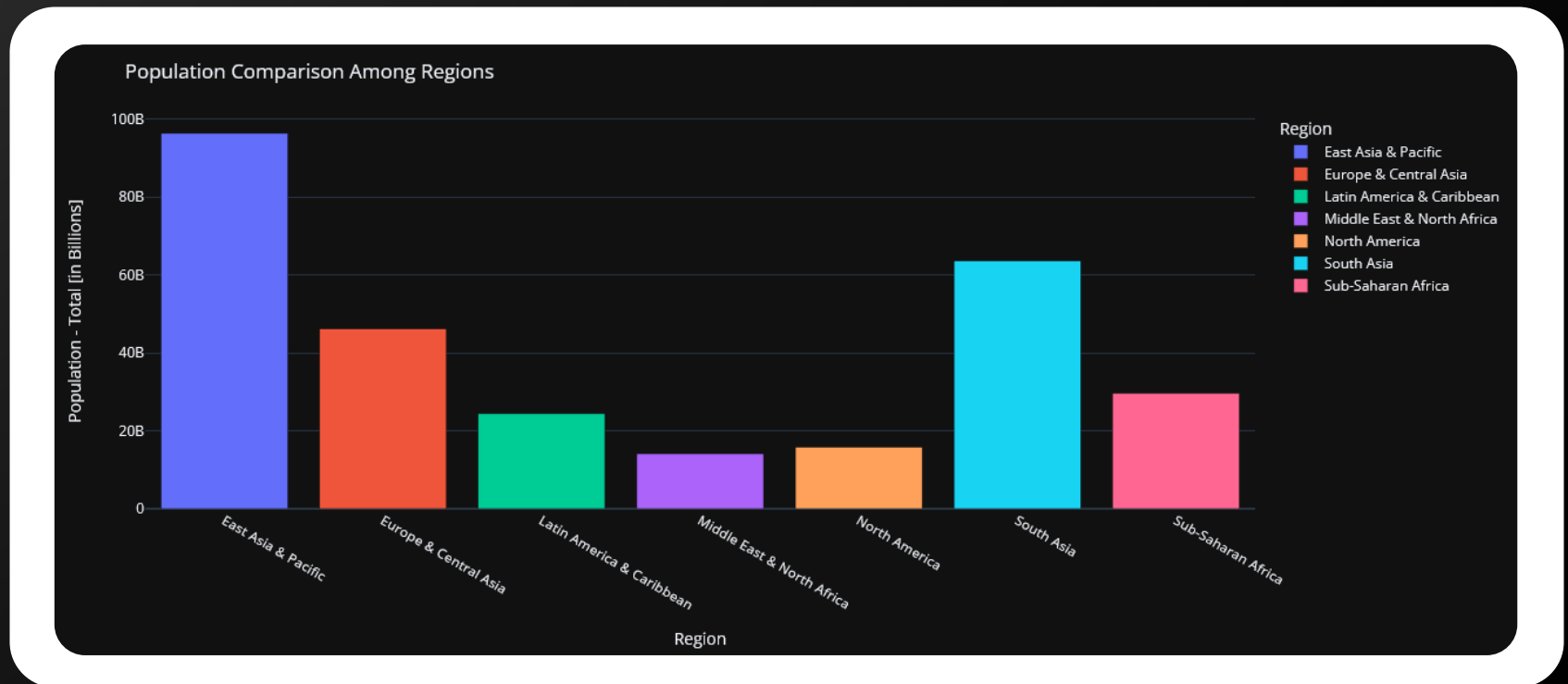
Recreating the motion graph by **Sir Hans Rosling**

2. Line Chart showing Population Trends over Years:



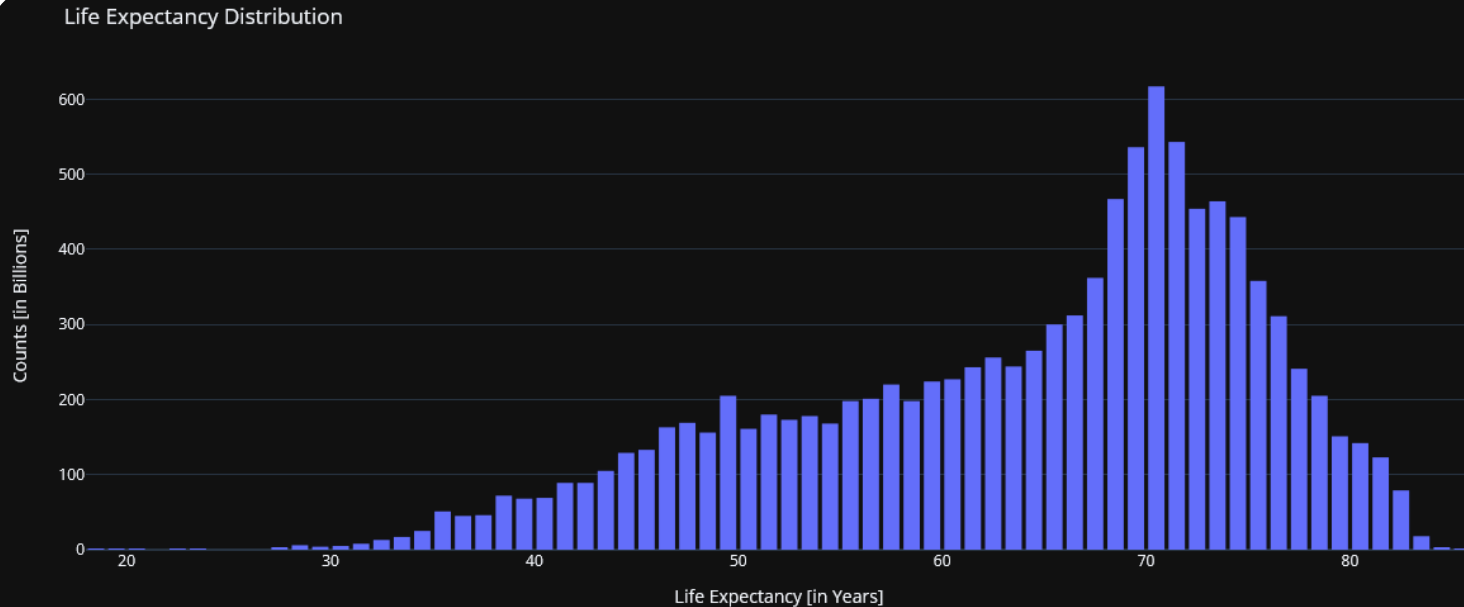
Done using Plotly

3. Population Comparison Among Regions



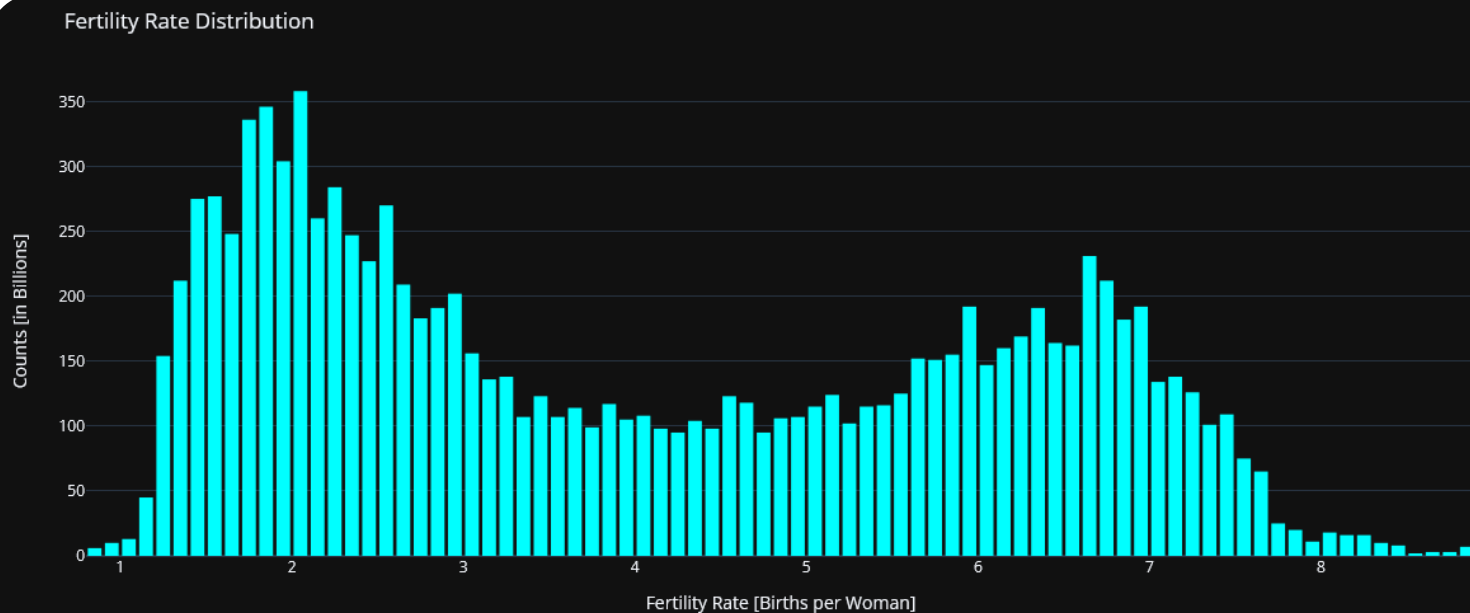
Done using Plotly

4.1. Life Expectancy Distribution



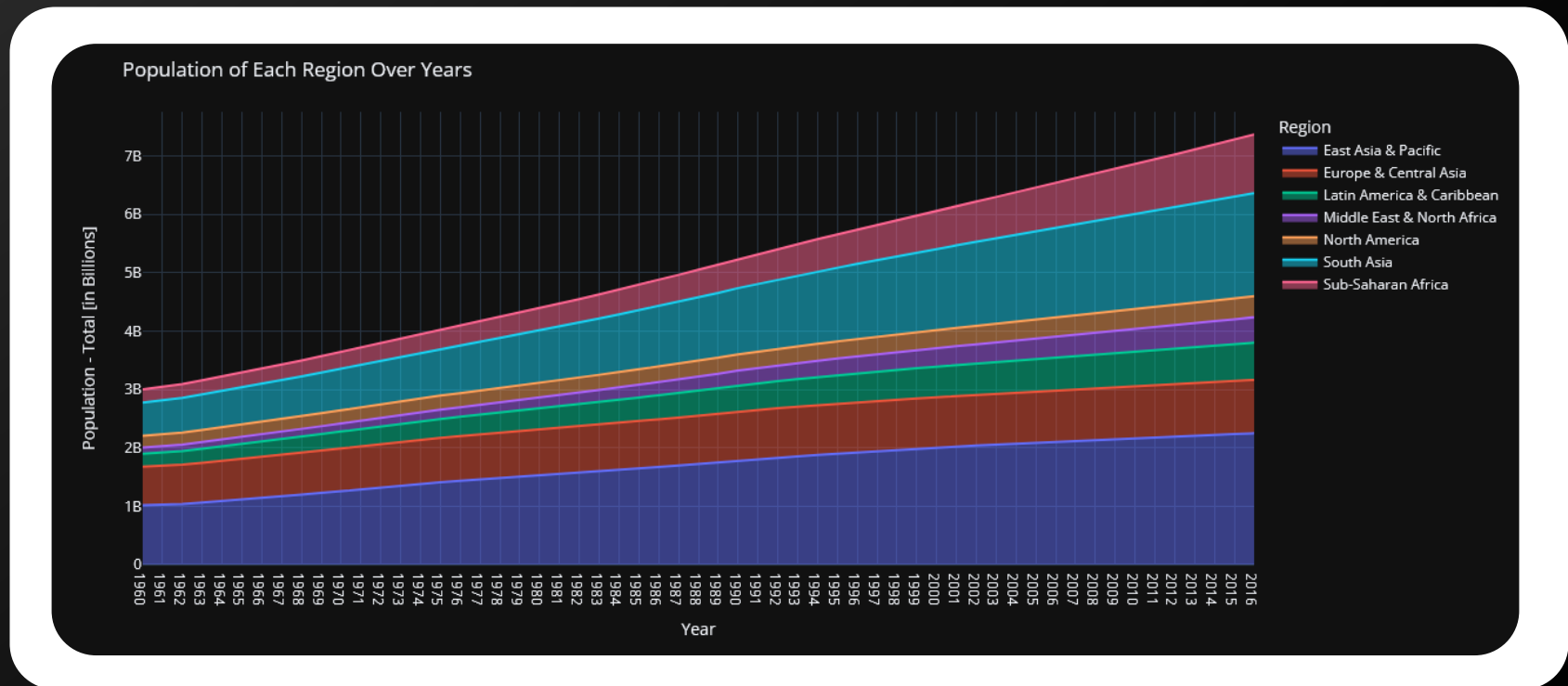
Done using Plotly

4.2. Fertility Rate Distribution



Done using Plotly

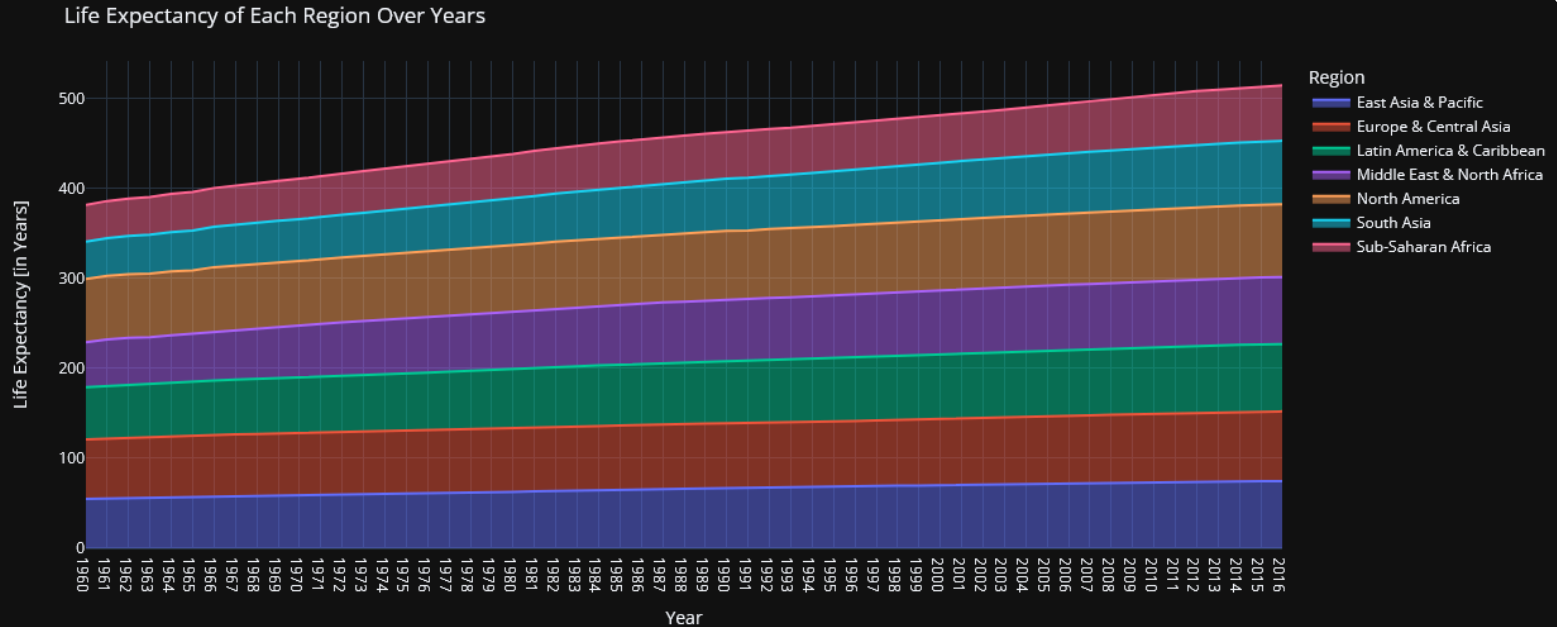
5. Population of Each Region Over Years



Done using Plotly

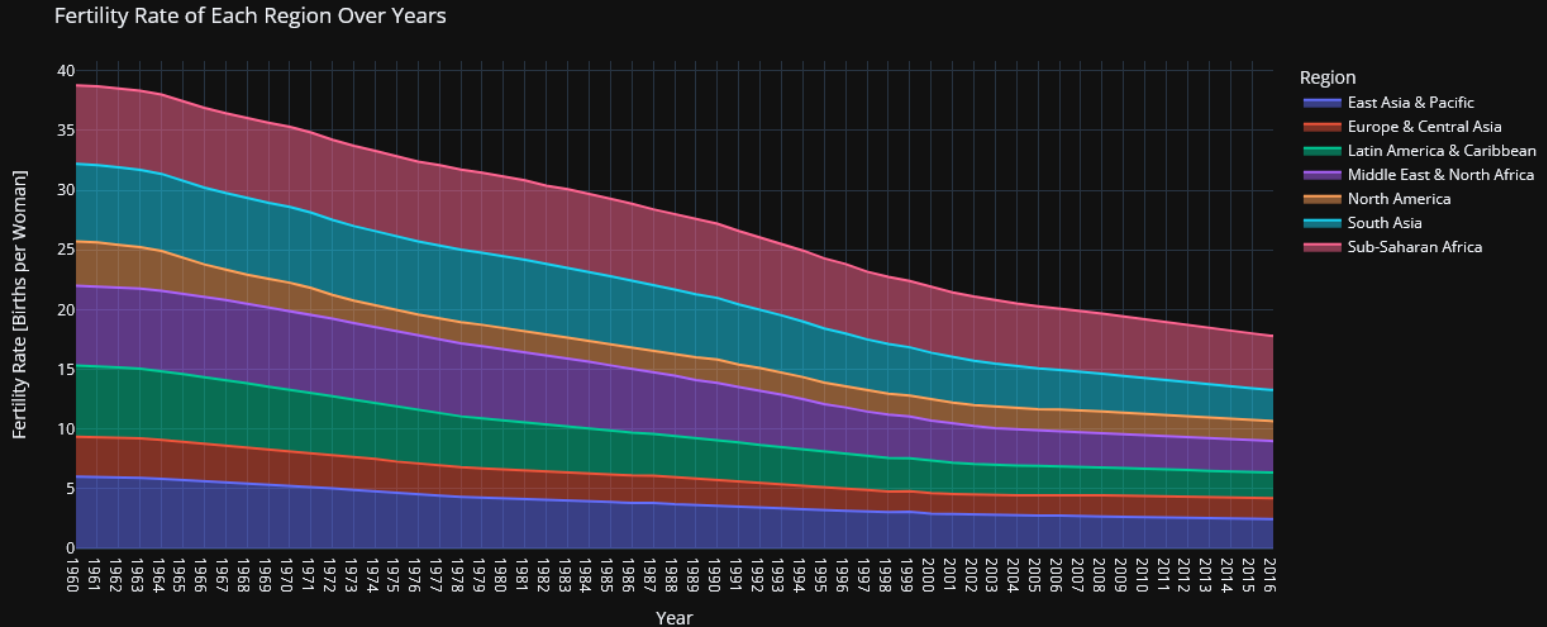
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6. Life Expectancy of Each Region Over Years



Done using Plotly

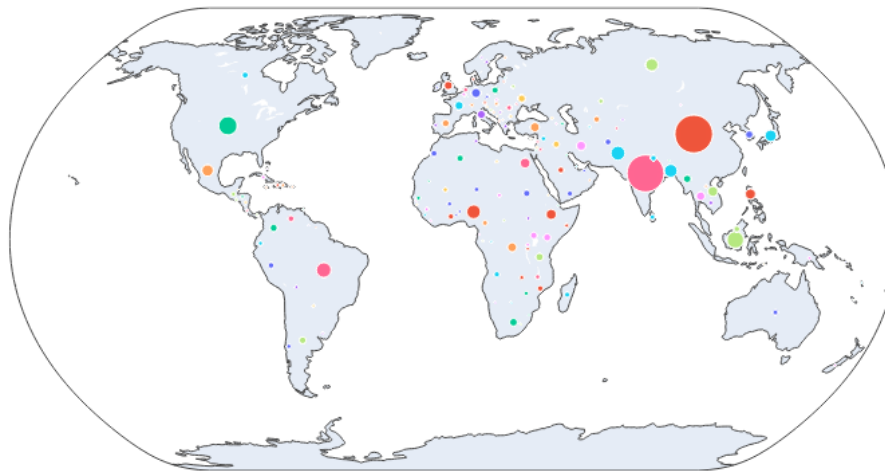
7. Fertility Rate of Each Region Over Years



Done using Plotly

8. Geographical Population Density by Country

Population Density by Country



Country Name

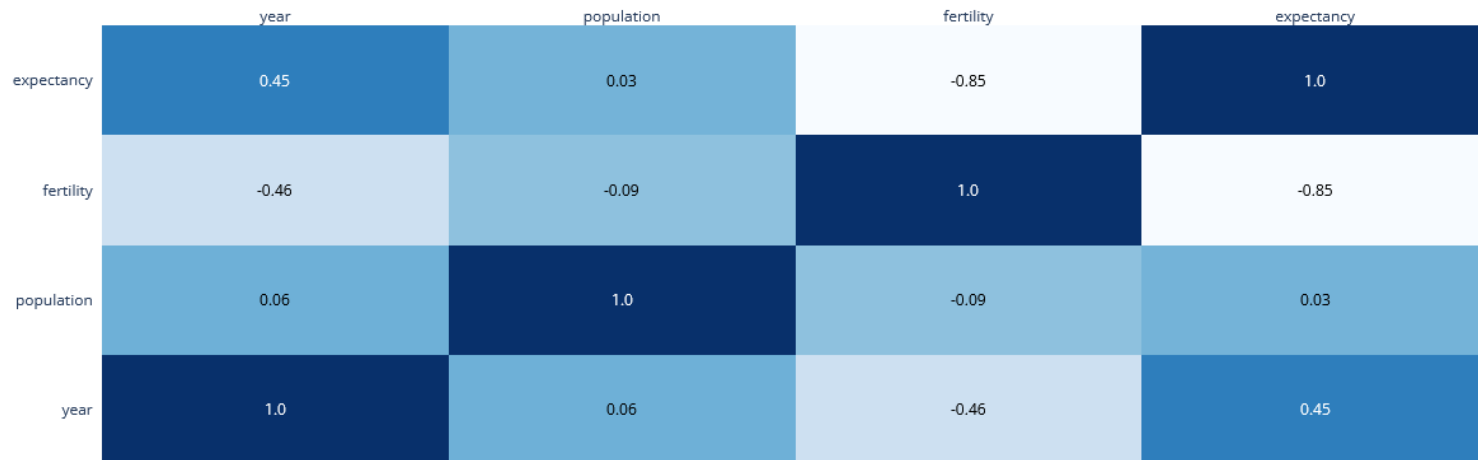
- Afghanistan
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas, The
- Bahrain
- Bangladesh
- Barbados

Done using Plotly

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8. Correlation Analysis

Correlation Analysis Heatmap

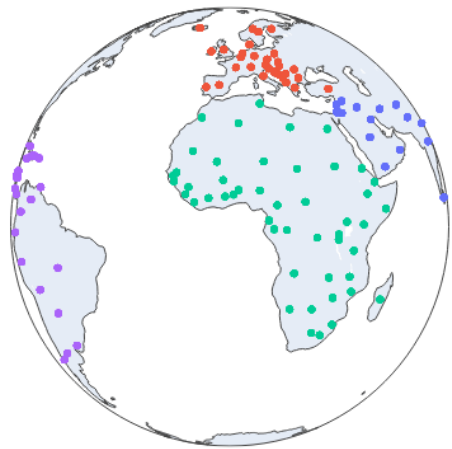


Done using Plotly

9. Population Density by Country

BONUS

Population Density by Country



Continent
● Asia
● Europe
● Africa
● Americas
● Oceania

Done using Gapminder