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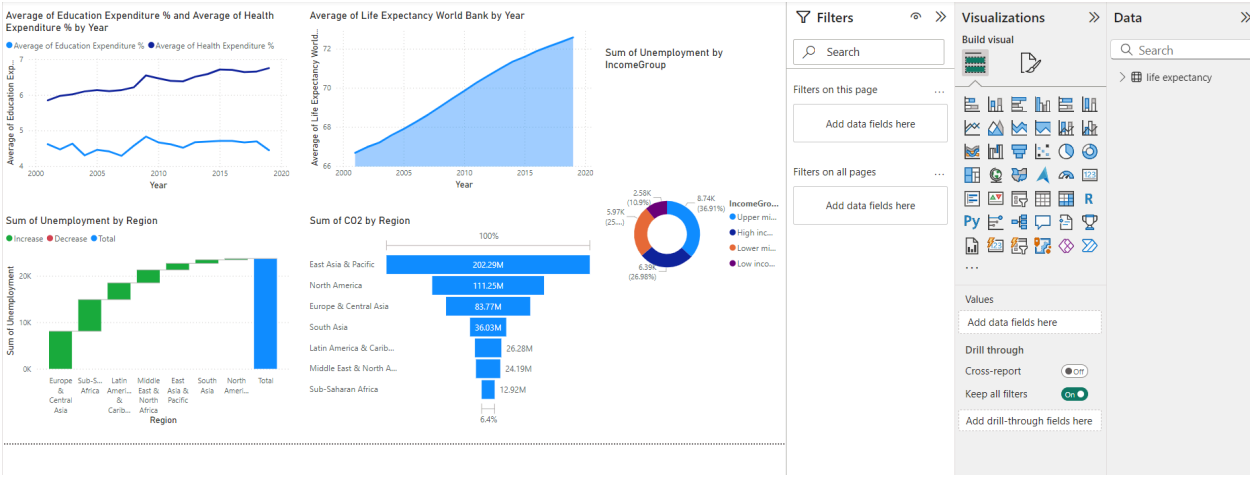
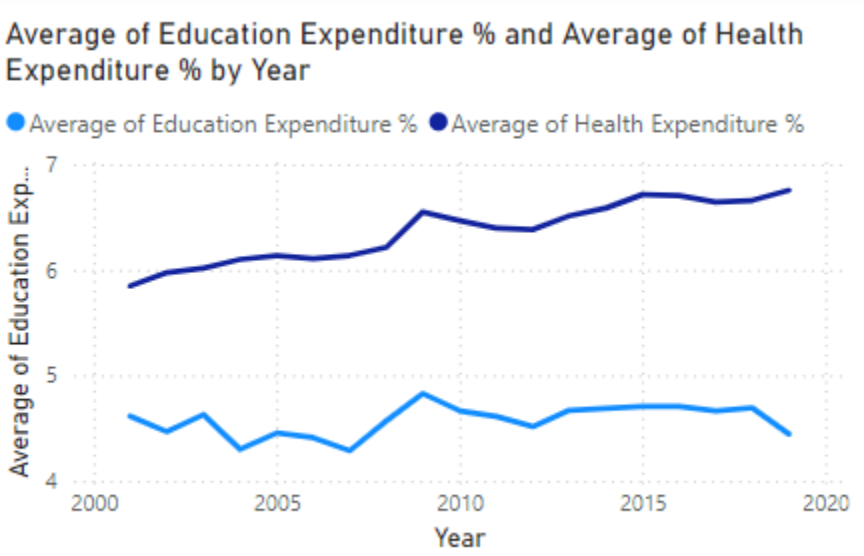
AIM:
Create advanced charts using Tableau / Power BI / R / Python / Plotly or Chart or D3.js to be performed on the dataset - Socio economic data
● Advanced - Word chart, Box and whisker plot, Violin plot, Regression plot (linear and nonlinear), 3D chart, Jitter, Line, Area, Waterfall, Donut, Treemap, Funnel
● Write observations from each chart
Practice dataset:
World Socio Economic dataset and Power BI file

Dataset Link:
https://www.kaggle.com/datasets/mjshri23/life-expectancy-and-socio-economic-world-bank

Total Overview:

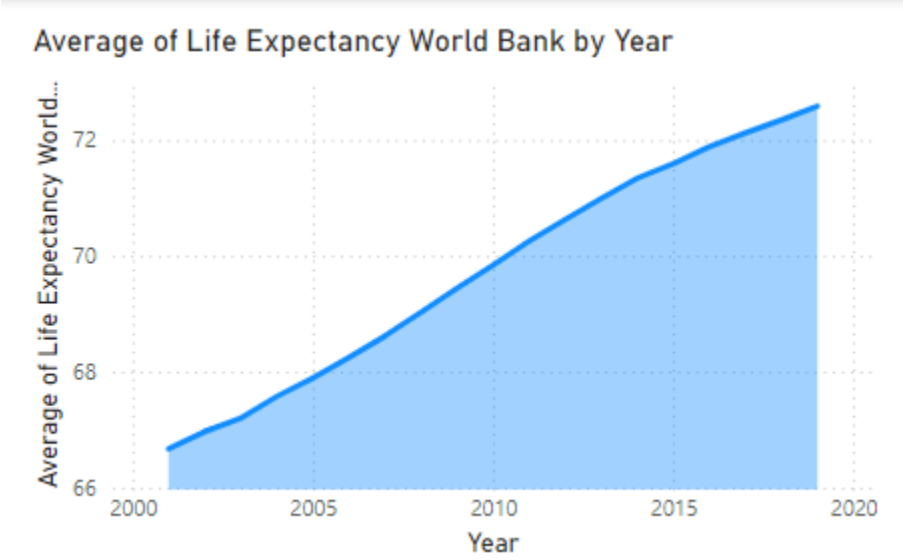


1) Line Chart



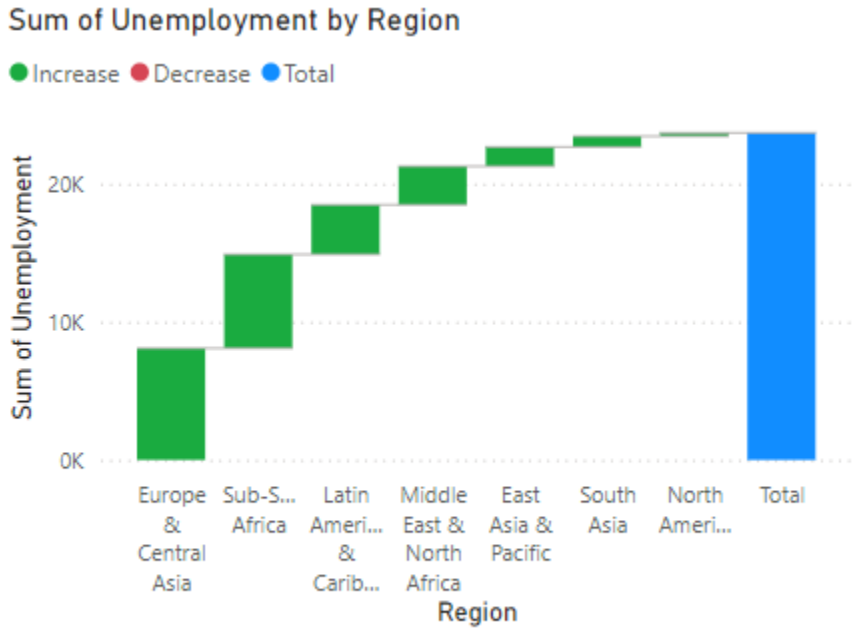
Displays the %of education expenditure and %of health expenditure.
The Health Expenditure seems to have constant growth and is much larger than Education expenditure.
But the education expenditure seeme to have a high in 2009 and mostly flattened out till 2020

2) Area Chart



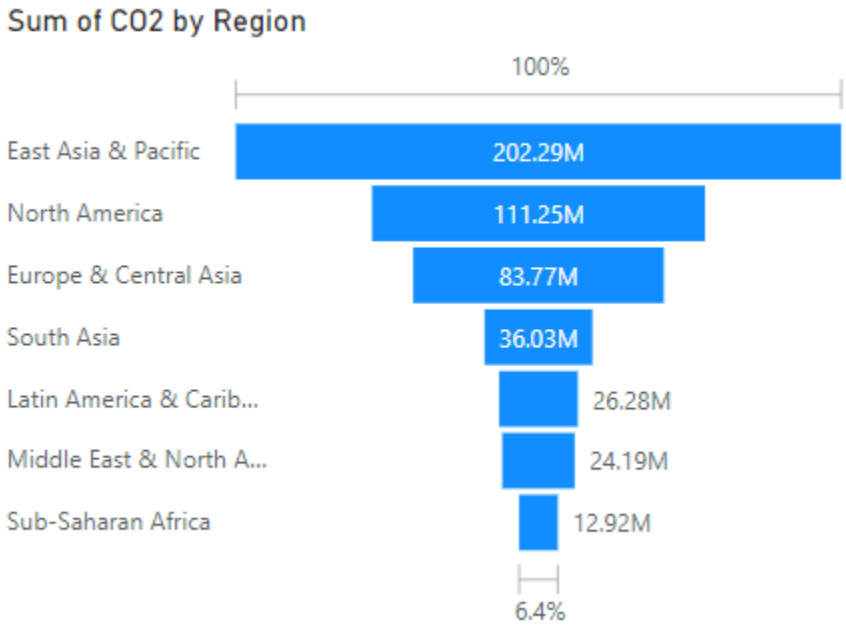
Life expectancy has increased a lot as can be seen by the graph. This implies the advancements and success of the Medical field.

3) Waterfall Chart



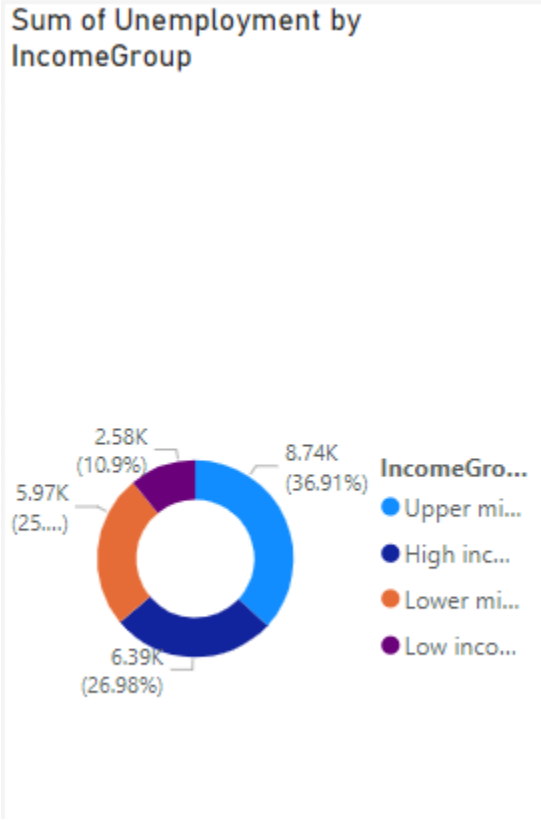
This tells us the unemployment of various regions across the world. Europe and central asia seems to have a problem of unemployment, mainly due to LArge population and low standard of living, where as North America has the least Unemployment cases.

4) Funnel Chart



This describes the CO2 emission from different parts of the world. East asia and Pacific clearly lead the chart due to heavy industrialization. Sub Saharan Africa due to less developments and human projects, has the least CO2 generated among the regions.

5) Donut Chart



This discusses the Unemployment rate among different classes of the society. Upper middle class surprisingly suffers from Higher unemployment compared to other classes.

CONCLUSION:
Performed and visualized data using Advanced Graphs.