

Factors Affecting on sustainable growth of Country

World Economic Indicator

DATA USED

- In this project different type of historical data i.e. World Economic dataset is used. This dataset consist of following main features:
 - GDP
 - ENERGY
 - HUMAN RESOURCES
 - TOURISM
 - BUISNESS



Executive Summary

- **GDP per Capita** = $\text{GDP} / \text{Total Population}$
- To improve GDP/Capita , We have to find feature which has strong positive relationship with GDP and strong negative relationship with total population.
- There is only feature which shows negative relationship with total population i.e. **Birth rate**. This means country with lower birth rate has higher GDP. Although there is weak negative relationship.

- There is strong positive relationship between **Health Exp%**, **Health/Capita** and **GDP**, so countries which spending's on Health Sector has more GDP.
- Countries with higher **Energy usage** and **CO2 Emission** has higher GDP as there is strong positive relationship between them.
- If country has high value of **Life Expectancy**, it will have high GDP. Although there is weak positive relationship with GDP.

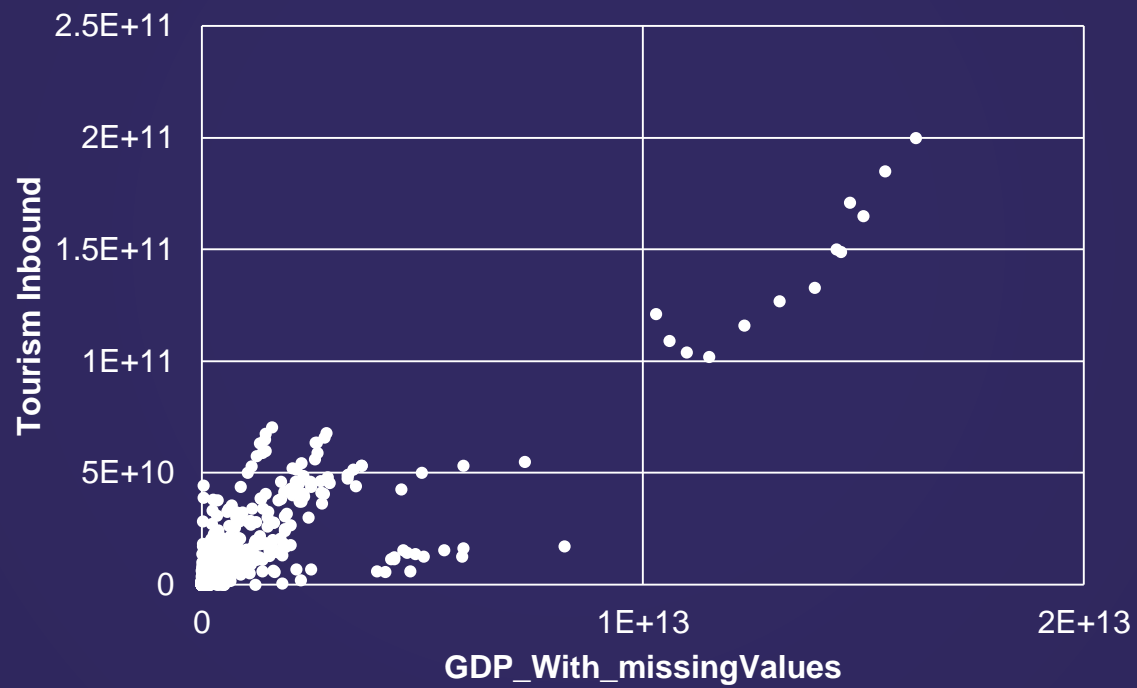
- In Total Population, population ranges **15-65** and **65+** years shows positive relation with GDP.
- Countries which spends higher on **Inbound Tourism**, have higher **GDP** as they have very strong positive relationship.
- Country with high Internet Usage has high GDP as they have positive relationship with each other.

Detailed Analysis

Features	Correlation With GDP
Health Exp % GDP	0.3271970895
Life Expectancy Female	0.1449127777
Life Expectancy Male	0.1467383692
Tourism Inbound	0.873611677
Tourism Outbound	0.535813465
Internet Usage	0.2668310279
Energy Usage	0.6987753741
Population 0-14	-0.1353176829
Population 15-65	0.1159321953
Population 65+	0.2760293371
Health/Capita	0.450375124
Infant Mortality	-0.1456004509
CO2 Emission	0.6108847834

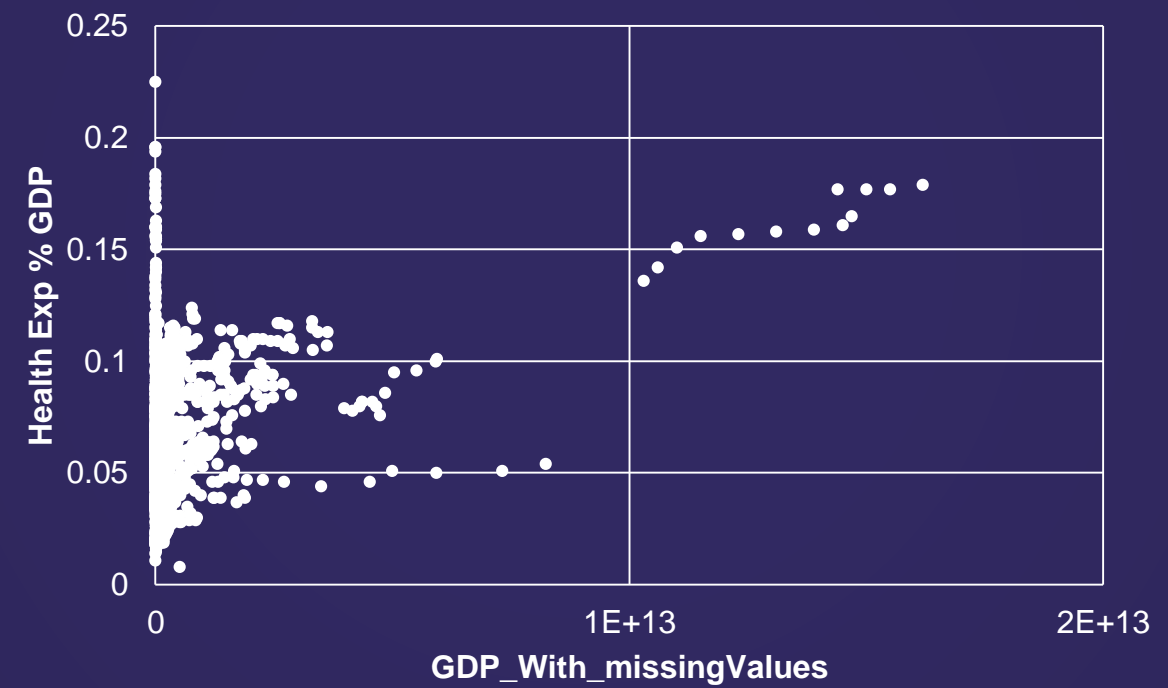
Tourism Inbound vs. GDP_With_missingValues

• Tourism Inbound



Health Exp % GDP vs. GDP_With_missingValues

• Health Exp % GDP



CO2 Emissions vs. GDP_With_missingValues

• CO2 Emissions

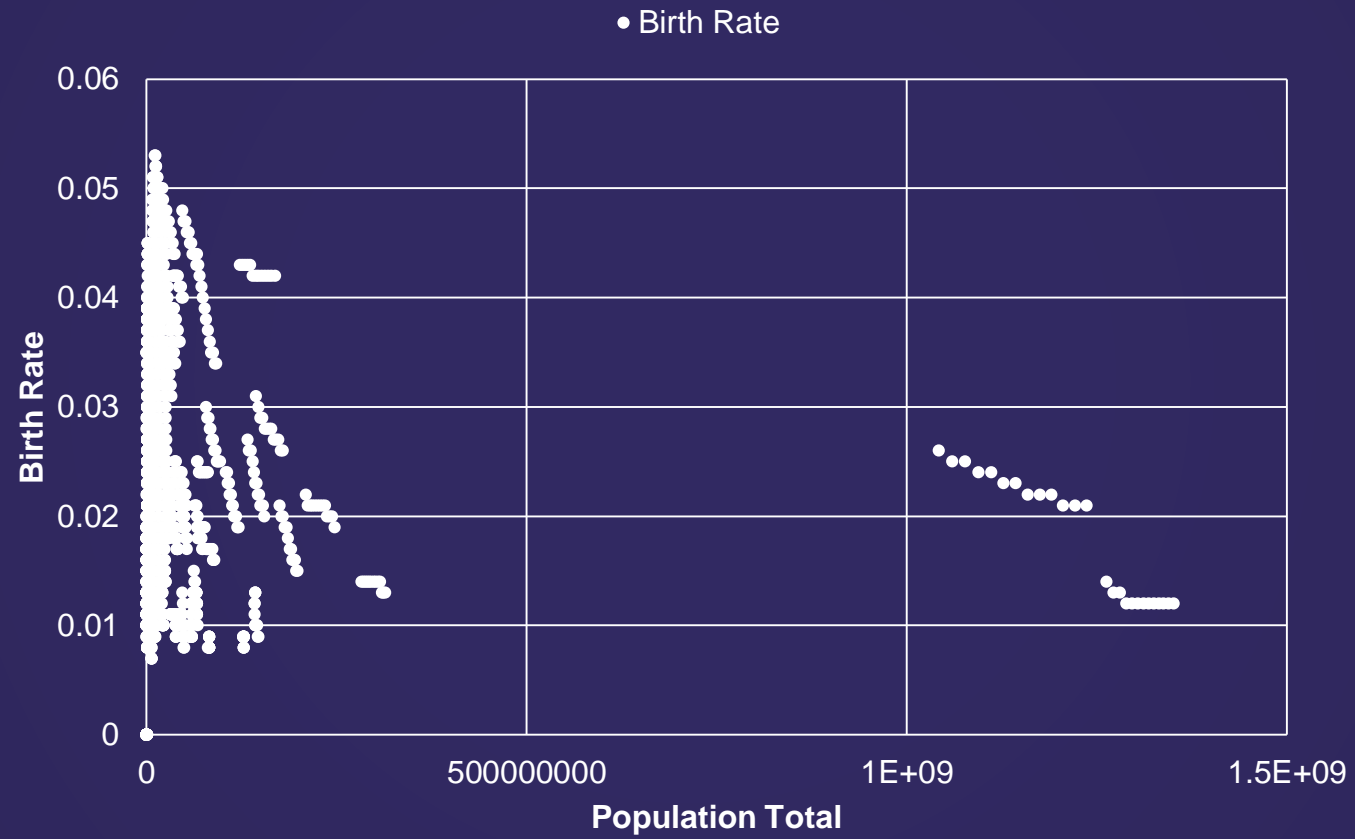


Energy Usage vs. GDP_With_missingValues

• Energy Usage



Birth Rate vs. Population Total



Region	AVERAGE of GDP_With_missin gValues	AVERAGE of Population Total	AVERAGE of GDP/Capita
Africa	25075088370	17642592.84	2366.499407
Asia	3.618E+11	108212254.3	6859.209975
Europe	3.45217E+11	16701733.42	26469.34614
Middle East	1.13868E+11	14852352.28	17384.03017
Oceania	62746412086	2265297.908	6874.988722
The Americas	4.16877E+11	20426273.35	103077.5866
Grand Total	2.46206E+11	31602769.79	31370.51814