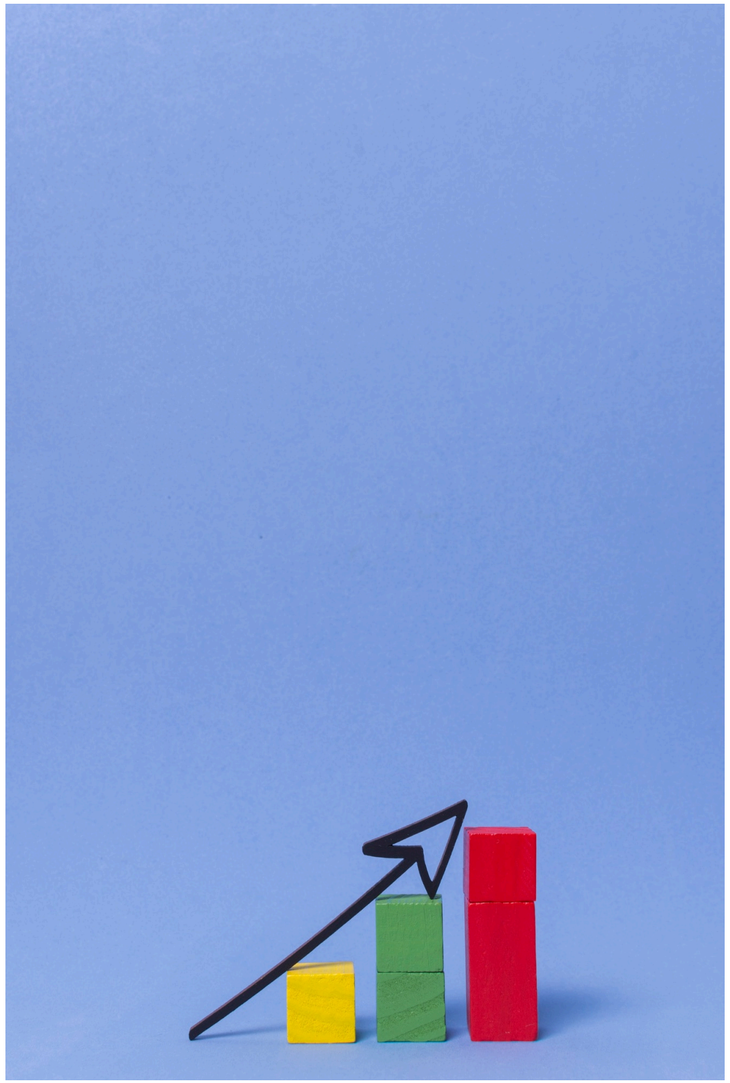
Key Determinants of Sustainable Economic Growth



Introduction

This presentation explores the **key determinants** of sustainable *economic growth*. We will delve into the factors that drive long-term prosperity and stability in modern economies.

Data Used

IWorld Economic Indicator Dataset:
The dataset contains various information which has different countries and regions' GDP, population, and other factors that might impact GDP/Capita.
Like:

- Energy Usage
- Tourism
- Human Resource
- Busines

Executive Summary

Problem How a country can attain sustainable growth

Appraoch

GDP per capita which is GDP/ population
To improve GDP per Capita, find the factors that have:

- A strong or positive relationship with the GDP
- A strong or negative relationship with the Population

Insights

• Energy Usage has the highest correlation coefficient with GDP among all the factors listed, indicating a strong positive relationship between the two variables.
• CO2 Emissions have the second-highest correlation coefficient with GDP, which suggests that countries with higher economic output tend to emit more CO2.
• Tourism Inbound has a high positive correlation coefficient with GDP, which suggests that countries with more inbound tourists tend to have a higher economic output.
• Health Exp/Capita has a higher correlation coefficient with GDP than Health Exp % GDP, indicating that the amount spent on health care per person is a better predictor of a country's economic output than the percentage of GDP spent on health care

Insights

• Population Total and Population 65+ have a moderate positive correlation
with GDP, which suggests that countries with larger populations and a higher
proportion of elderly people tend to have a higher economic output.
• Birth Rate, Infant Mortality Rate, Population 0-14, and Population 15-64 have a negative or low correlation coefficient with GDP, indicating a weak or negative relationship with economic output.
• Lending Interest, Business Tax Rate, Days to Start Business, Ease of Business, and Mobile Phone Usage have a low correlation coefficient with
GDP, indicating a weak or negligible relationship with economic output.
• Internet Usage has a moderate positive correlation coefficient with GDP, indicating that countries with higher internet usage tend to have a higher economic output

Detailed Analysis

		Cofficient	
	FACTORS	Correlation With GDP	Correlation With Population
GDP	Health Exp % GDP	0.3271931847	-0.05402093459
	Health Exp/Capita	0.4503702676	0.008410515444
	Lending Interest	-0.05997997479	0.007037956295
ENERGY	Energy Usage	0.6987794559	0.5781428328
	CO2 Emissions	0.6108931439	0.5774385303
HUMAN RESOURCES	Birth Rate	-0.1551682512	-0.03317292417
	Infant Mortality Rate	-0.1458914976	0.03133024953
	Life Expectancy Female	0.1442214013	0.0528316649
	Life Expectancy Male	0.146053154	0.06228391092
	Population 0-14	-0.136175142	0.0001482861977
	Population 15-64	0.1151862966	0.1035152422
	Population 65+	0.2757979494	0.03206309061
	Population Total	0.3793852782	1
	Population Urban	0.1672021186	-0.06078463614
TOURISM	Tourism Inbound	0.8735687981	0.3042371085
	Tourism Outbound	0.5358014014	0.2760655761
BUSINESS	Business Tax Rate	0.05256878177	0.06668135728
	Days to Start Business	-0.03460389048	0.02761225579
	Ease of Business	-0.01144769755	0.01563522448
	Hours to do Tax	0.0631084791	0.1232159421
	Internet Usage	0.2668995421	-0.03065886324
	Mobile Phone Usage	0.1308241362	-0.04017416143

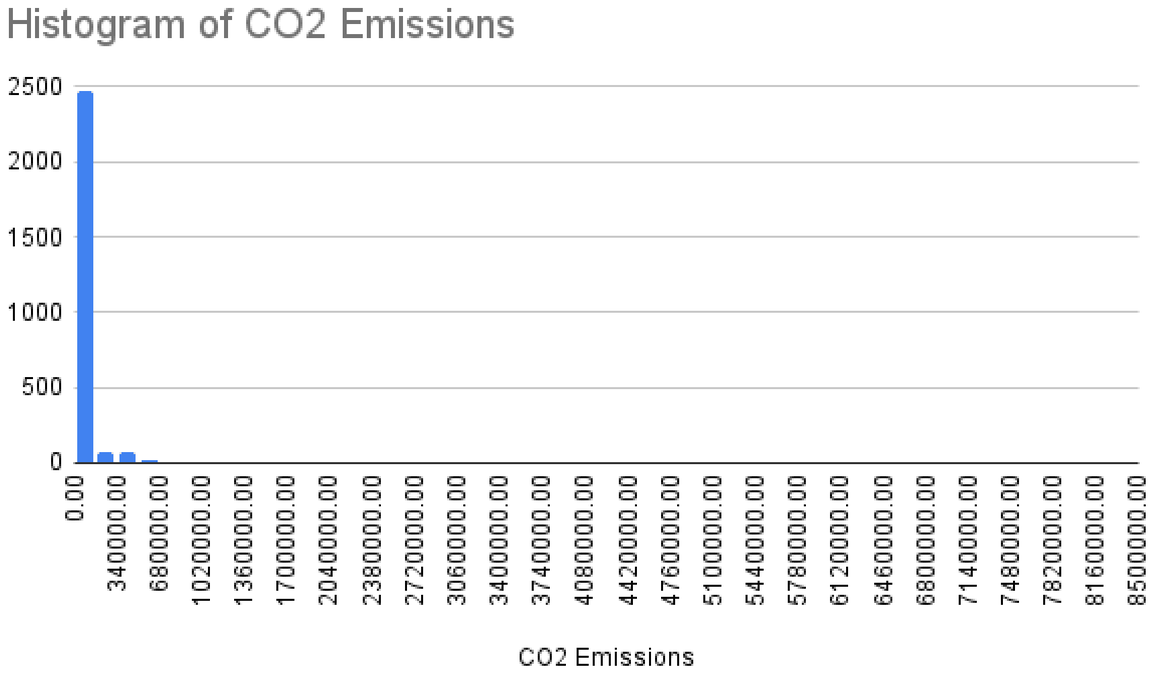
	AVERAGE of POPULATIC	AVERAGE of GDP/ CAPITA	AVERAGE of GDP(If Missing)
Africa	17665922.03	2104.596335	25075088370
Asia	108212254.3	6859.209975	361800406261
Europe	16701733.42	26469.34614	345217206704
Middle East	14852352.28	17384.03017	113868456726
Oceania	2265297.908	24143.74791	63739145108
The Americas	20426273.35	116250.3288	416820702255
Grand Total	**31608742.96**	**35354.82337**	**246266219476**

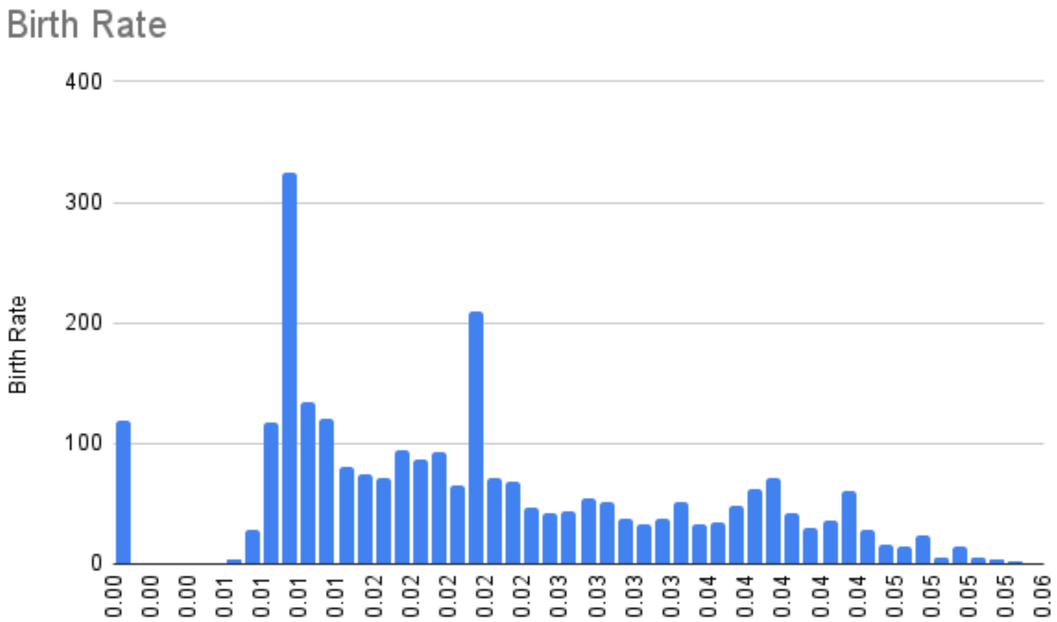
- The Americas have the highest average GDP/Capita among all the regions listed, indicating a higher standard of living in this region.
- Europe has the highest average GDP among all the regions listed, indicating a higher overall economic output in this region.
- Africa has the lowest average GDP/Capita among all the regions listed, indicating a lower standard of living in this region.
- Despite having a relatively lower GDP/Capita, Africa has the highest population among all the regions listed. This could indicate a potential for growth in the future as the economy develops

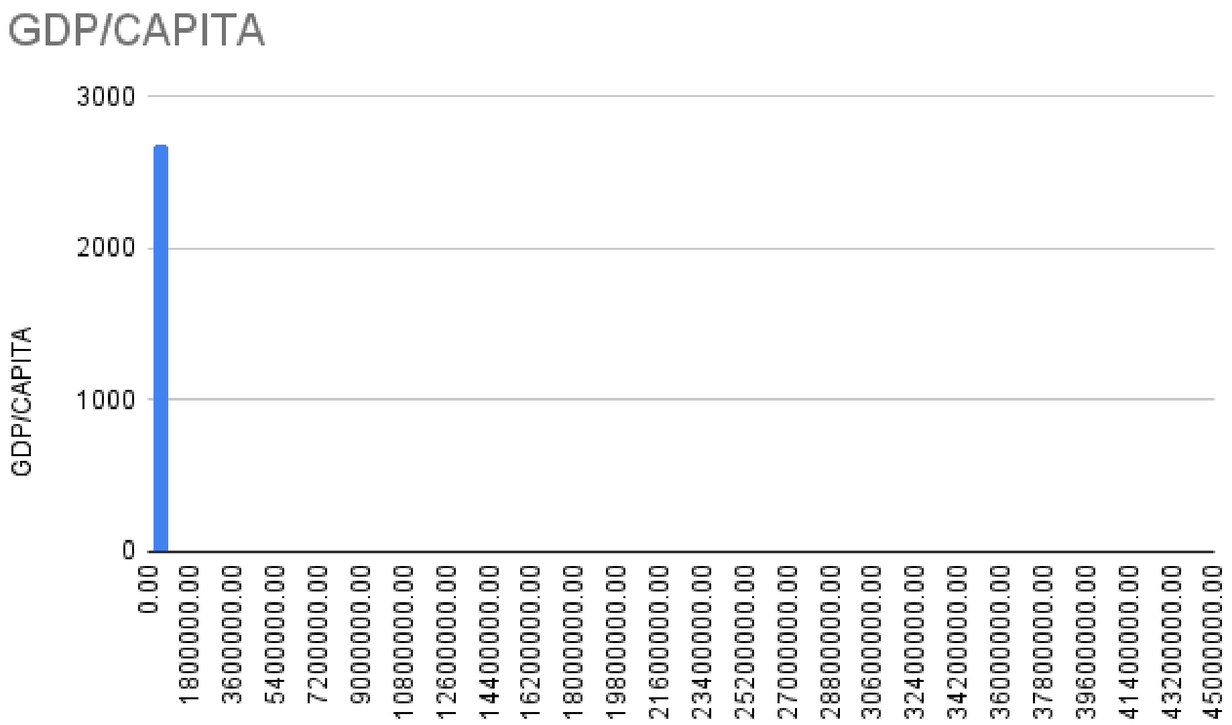
Reigen	AVERAGE of Ease Of Business
Africa	10.6632801
Asia	6.33936651
Europe	3.57532051
Middle East	6.65680473
Oceania	4.31282051
The Americas	5.60489510

1. Ease of business Index, equals to 1 is Great
2. On Average Europe is Best For the Business
3. After Europe "America" is The best for the businesses
4. Africa is the worst for starting the busniess

Detailed Analysis Using Charts






GDP/CAPITA
3000
2000
1000
0
GDP/CAPITA
0.00
1800000.00
3600000.00
5400000.00
7200000.00
9000000.00
10800000.00
12600000.00
14400000.00
16200000.00
18000000.00
19800000.00
21600000.00
23400000.00
25200000.00
27000000.00
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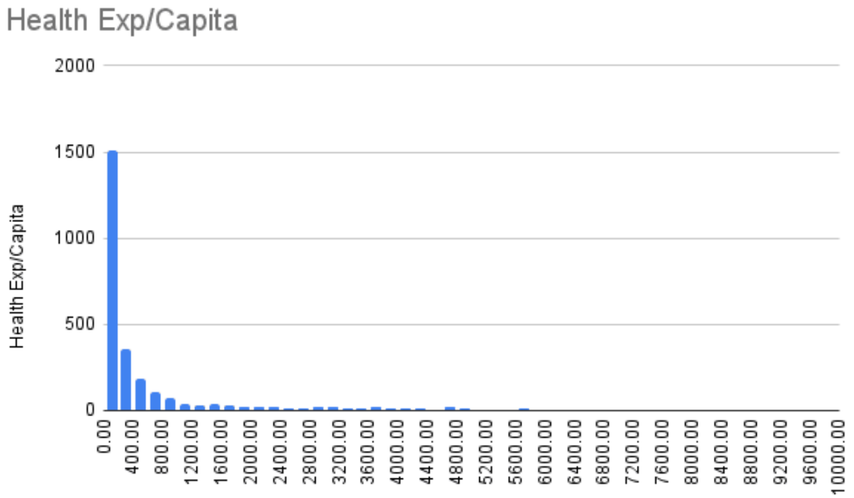
43200000.00
45000000.00


Health Exp/Capita
Health Exp/Capita
2000
1500
1000
500
0
0.00
400.00
800.00
1200.00
1600.00
2000.00
2400.00
2800.00
3200.00
3600.00
4000.00
4400.00
4800.00
5200.00
5600.00
6000.00
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7200.00
7600.00
8000.00
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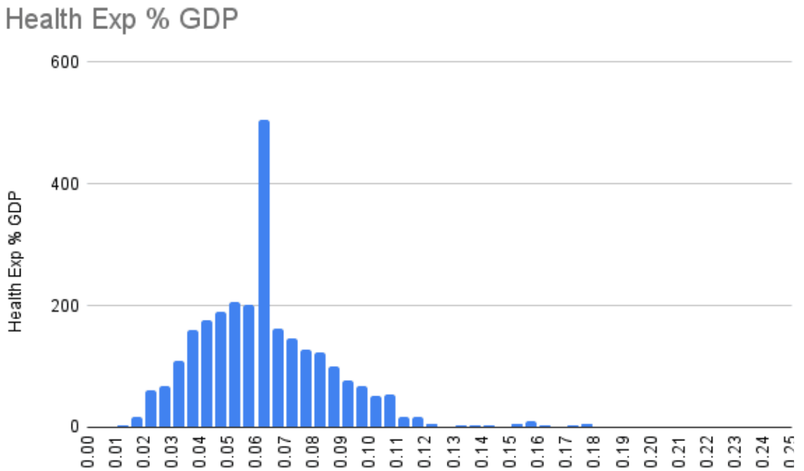
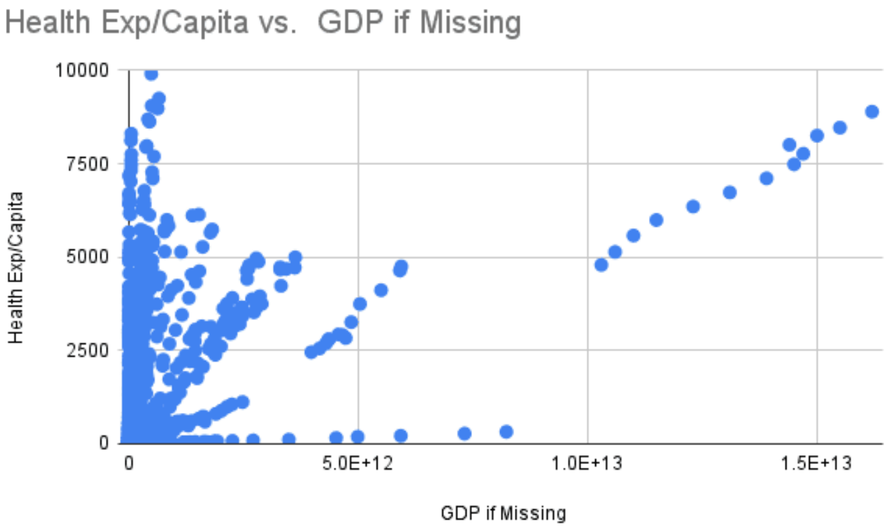
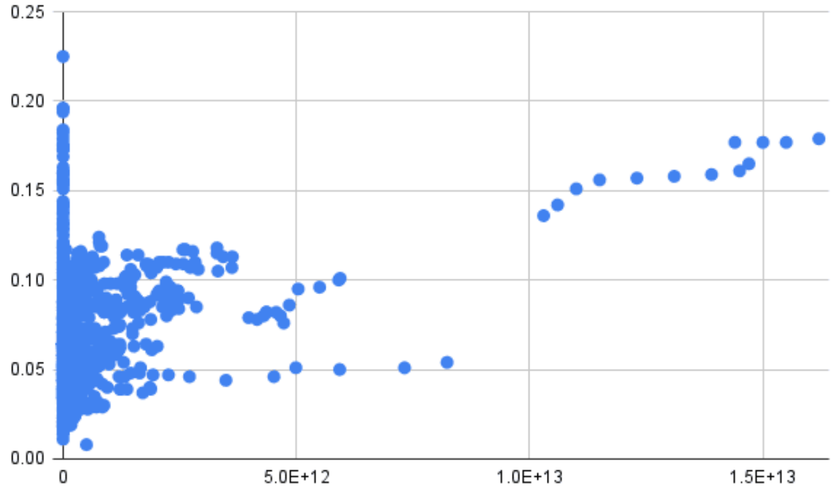
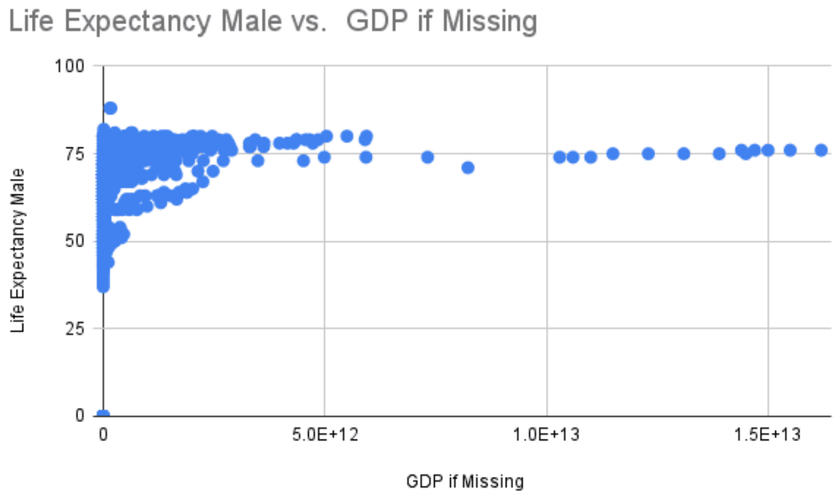
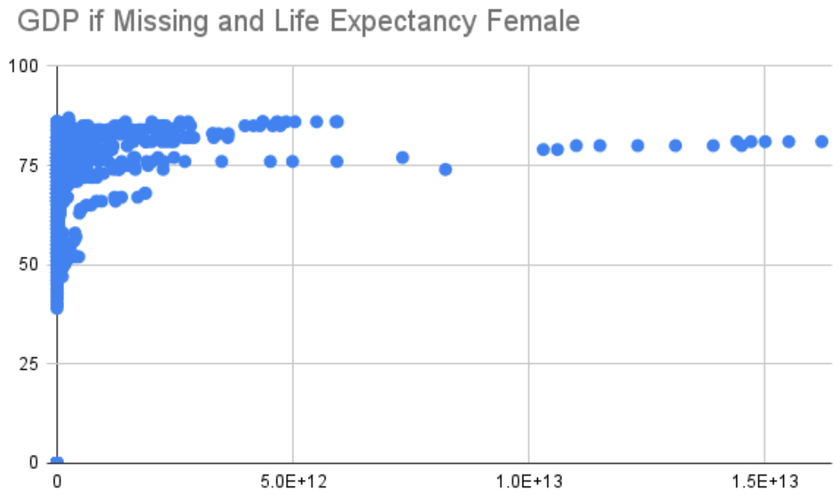
8800.00
9200.00
9600.00
10000.00

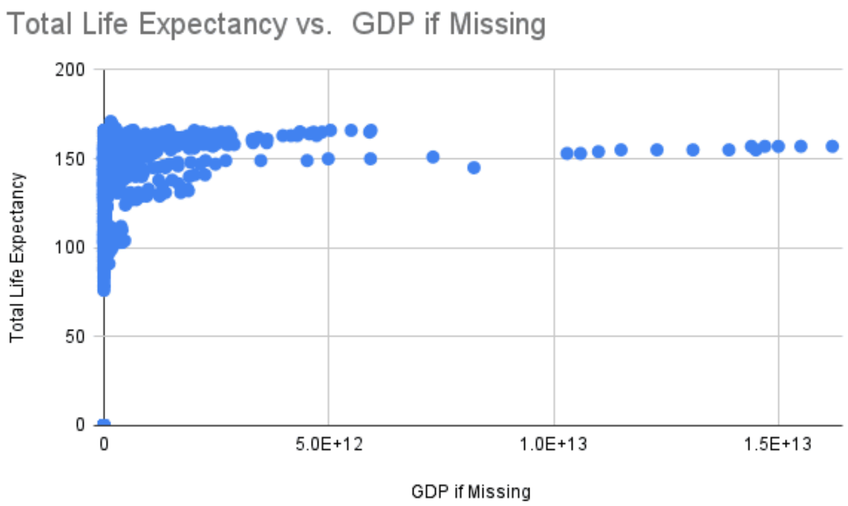

Health Exp % GDP
Health Exp % GDP
600
400
200
0
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.10
0.11
0.12
0.13
0.14
0.15
0.16
0.17
0.18
0.19
0.20
0.21
0.22
0.23
0.24


Health Exp/Capita vs. GDP if Missing
Health Exp/Capita
10000
7500
5000
2500
0
0
5.0E+12
1.0E+13
1.5E+13
GDP if Missing

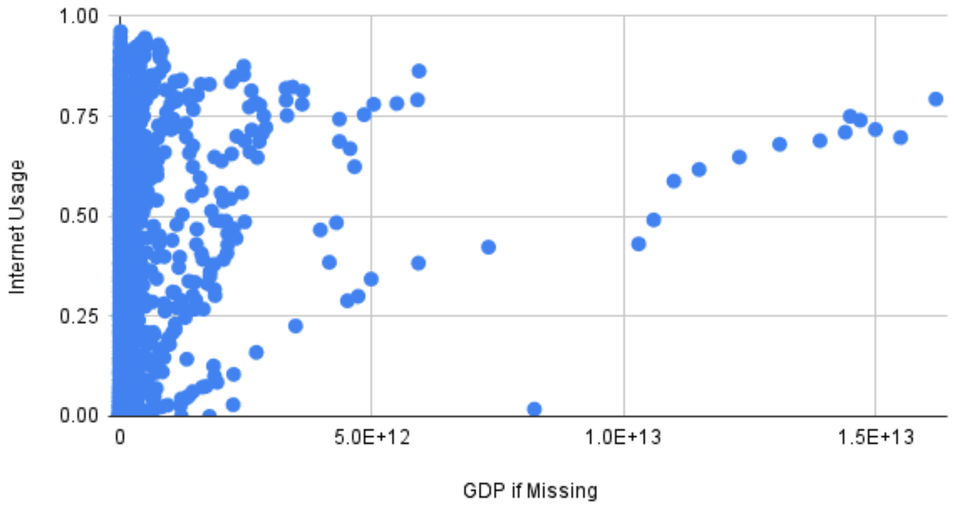

0.25
0.20
0.15
0.10
0.05
0.00
0
5.0E+12
1.0E+13
1.5E+13


Life Expectancy Male vs. GDP if Missing
100
75
50
25
0
Life Expectancy Male
0
5.0E+12
1.0E+13
1.5E+13
GDP if Missing

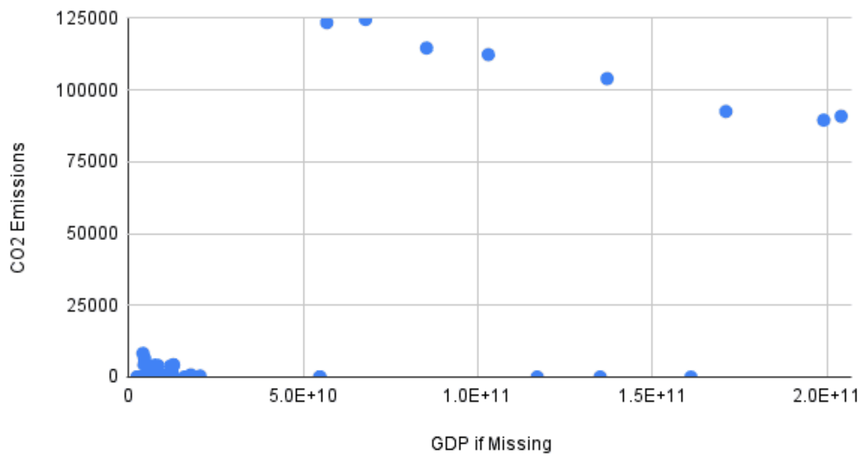
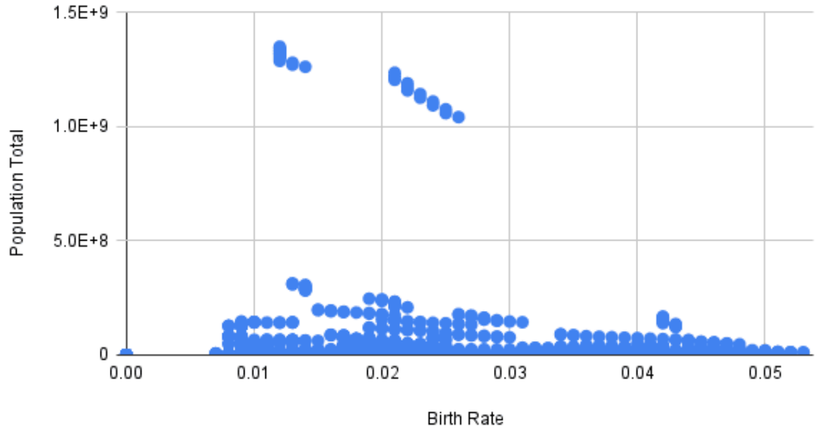

GDP if Missing and Life Expectancy Female
100
75
50
25
0
0
5.0E+12
1.0E+13
1.5E+13


Total Life Expectancy vs. GDP if Missing
200
150
100
50
0
Total Life Expectancy
0
5.0E+12
1.0E+13
1.5E+13
GDP if Missing

Internet Usage vs. GDP if Missing



CO2 Emissions vs. GDP if Missing



Population Total vs. Birth Rate