

WORLD ECONOMIC INDICATOR

Factors That Affect a Country on Sustainable Growth

Executive Summary

- ⌘ Problem: Which factors a country should focus on to sustain GDP/ Capita.
- ⌘ GDP per capita which is $\text{GDP} / \text{population}$
- ⌘ 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

- ⌘ Among all the listed features, Energy Usage shows the highest correlation coefficient with GDP, indicating a robust positive relationship between these two columns.
- ⌘ The correlation coefficient between Health Exp/Capita and GDP is higher compared to Health Exp % GDP, implying that the per capita health expenditure is a more reliable predictor of a country's economic output than the percentage of GDP spent on healthcare.
- ⌘ The correlation coefficient between Inbound Tourism and GDP is notably strong, indicating that countries witnessing a greater influx of tourists also tend to enjoy a higher economic output.
- ⌘ CO2 Emissions has the second-highest correlation coefficient with GDP, that suggests countries with higher economic output tend to emit more CO2.

Insights

- ⌘ Countries with higher internet usage tend to demonstrate a moderate positive correlation with GDP, suggesting a positive relationship between increased internet usage and economic output.
- ⌘ Lending Interest, Business Tax Rate, Days to Start Business, Ease of Business, and Mobile Phone Usage display a low correlation coefficient with GDP, suggesting a weak or insignificant relationship with economic output.
- ⌘ There is a moderate positive correlation between Total Population and Population 65+ with GDP, indicating that countries with larger populations and a higher proportion of elderly citizens tend to exhibit a higher economic output.
- ⌘ Birth Rate, Infant Mortality Rate, Population 0-14, and Population 15-64 show either a low or negative correlation coefficient with GDP, signifying a weak or adverse relationship with economic output.

Insights

- ⌘ Europe stands out with the highest average GDP among all the regions listed, indicating a superior overall economic output in this region.
- ⌘ Africa, on the other hand, exhibits the lowest average GDP/Capita among all the regions listed, pointing to a lower standard of living in this region.
- ⌘ Despite its relatively lower GDP/Capita, Africa possesses the highest population among all the regions listed, hinting at the potential for future growth as the economy develops.

Analysis in form of tables

Region	AVERAGE of UPDATED_GDP	AVERAGE of Population Total	AVERAGE of GDP/CAPITA	AVERAGE of Energy Usage	AVERAGE of CO2 Emissions	AVERAGE of Birth Rate	AVERAGE of Internet Usage	AVERAGE of Internet U
Africa	24035532807	17665922.03	1838.251255	7676.316401	12969.22642	0.0364107402	0.05194775036	0.05194775036
Asia	383265392091	108212254.3	6812.676121	87138.38688	208513.9299	0.02036877828	0.1721719457	0.1721719457
Europe	353140224562	16701733.42	26469.34614	43079.20833	83300.67949	0.01060096154	0.4527644231	0.4527644231
Middle East	116402293086	14852352.28	17258.9803	30275.72189	72972.86982	0.02275147929	0.2379763314	0.2379763314
Oceania	83158719828	2265297.908	5930.265315	7581.74359	18655.35385	0.02134871795	0.1886974359	0.1886974359
The Americas	467941389014	20426273.35	9844.788954	55230.5979	107820.7937	0.0171958042	0.2398513986	0.2398513986
Grand Total	262538962290	31608742.96	11333.71187	40458.01338	85738.49164	0.02175733928	0.2261709402	0.2261709402

Region	AVERAGE of UPDATED_GDP	MEDIAN of UPDATED_GDP	MIN of UPDATED_GDP	MAX of UPDATED_GDP
Africa	24035532807	6485129194	76553443	463000000000
Asia	383265392091	21147767333	350100000	8230000000000
Europe	353140224562	58840619390	773907642	3630000000000
Middle East	116402293086	48242913263	8457923945	734000000000
Oceania	83158719828	490916835	63101272	1530000000000
The Americas	467941389014	13686333822	324463833	16200000000000
Grand Total	262538962290	14824492062	63101272	16200000000000

Region	SUM of Population Total	AVERAGE of Population Total	MEDIAN of Population Total	MIN of Population Total	MAX of Population Total
Africa	12171820277	17665922.03	9928143	81131	168833776
Asia	47829816399	108212254.3	17794212.5	272745	1350695000
Europe	10421881656	16701733.42	5367816	26969	146596870
Middle East	2510047535	14852352.28	6181000	593693	76424443
Oceania	441733092	2265297.908	213230	52058	22723900
The Americas	11683828354	20426273.35	3343641	18876	313873685
Grand Total	85059127313	31608742.96	5904170	18876	1350695000