



World economic project insights

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Data analytics batch 9th May, 2022

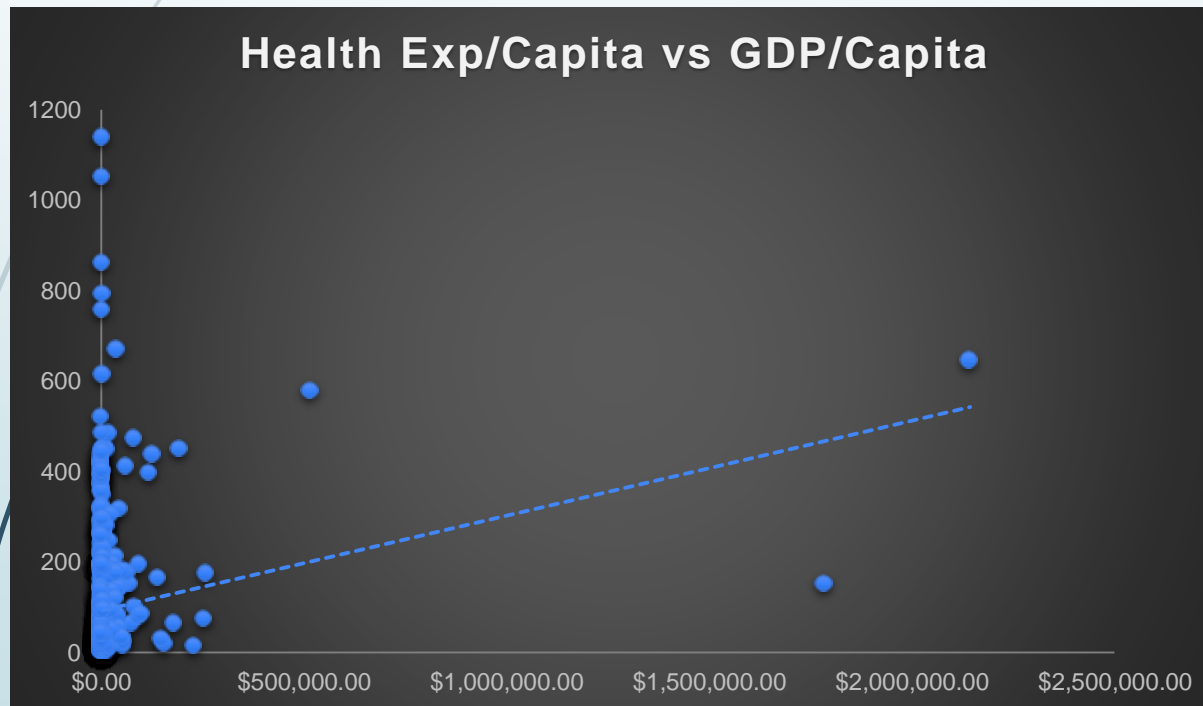


Factors Affecting GDP:-

- Health Sector
- Lending Interest
- Population and Birth Rate
- Energy Usage
- Tourism Sector
- Business and technology sector

Region wise analysis:-Africa

Health sector analysis



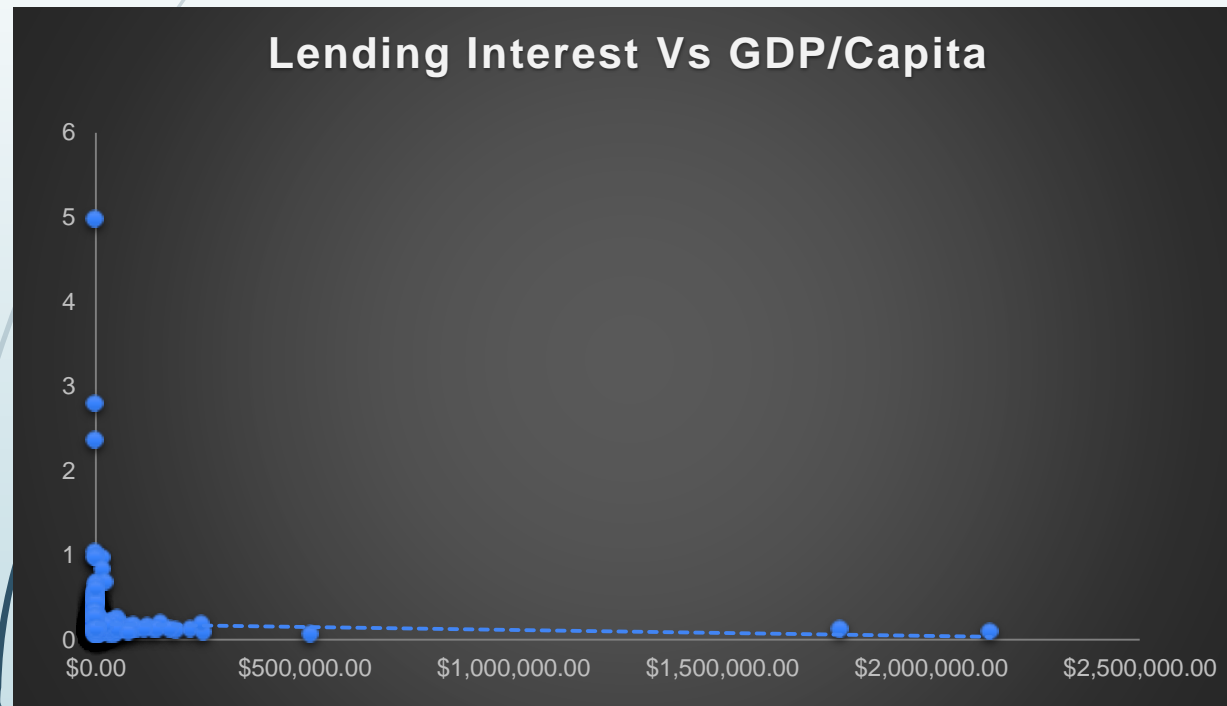
- As there is positive relation is possessed between health and GDP so AFRICA should focus on the health facilities of the country.

- Correlation factor:-

0.175318544

Region wise analysis:-Africa

Lending Interest



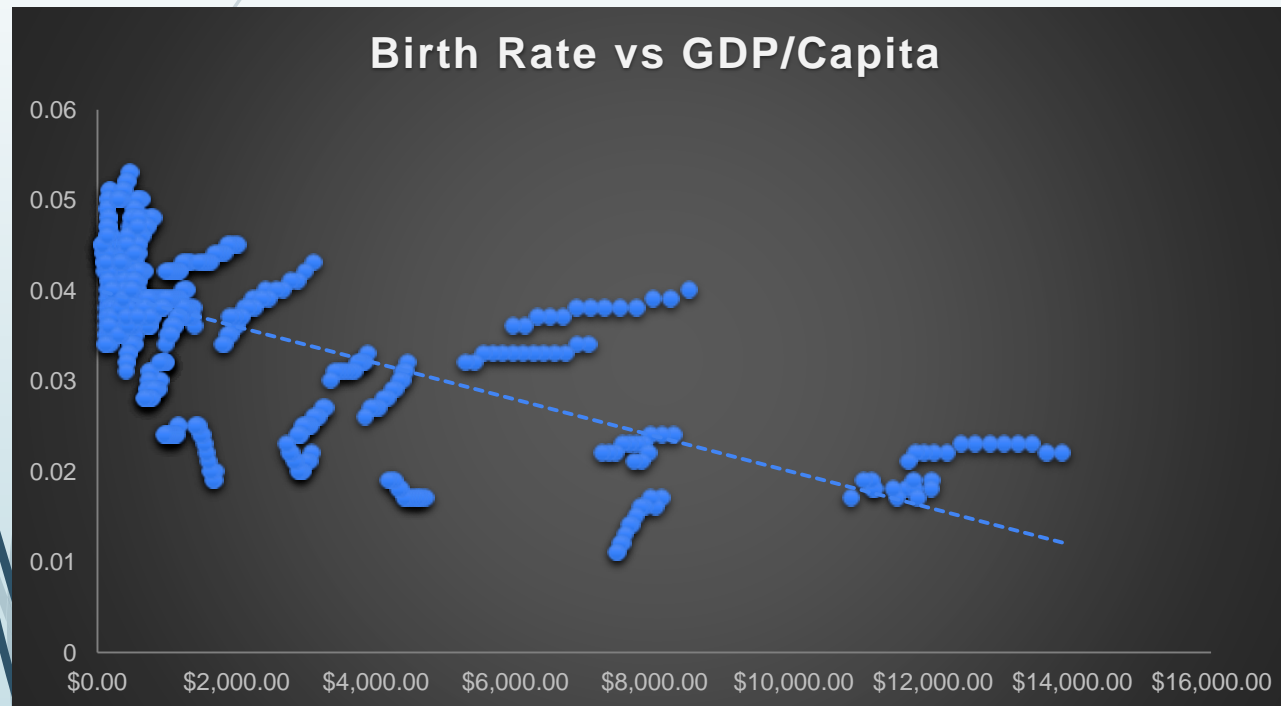
- The relationship between lending interest and GDP is somewhat negative so it is better that AFRICA should lower the lending interest.

► Correlation Factor:-

-0.03063406

Region wise analysis:-Africa

Birth Rate with GDP/Capita



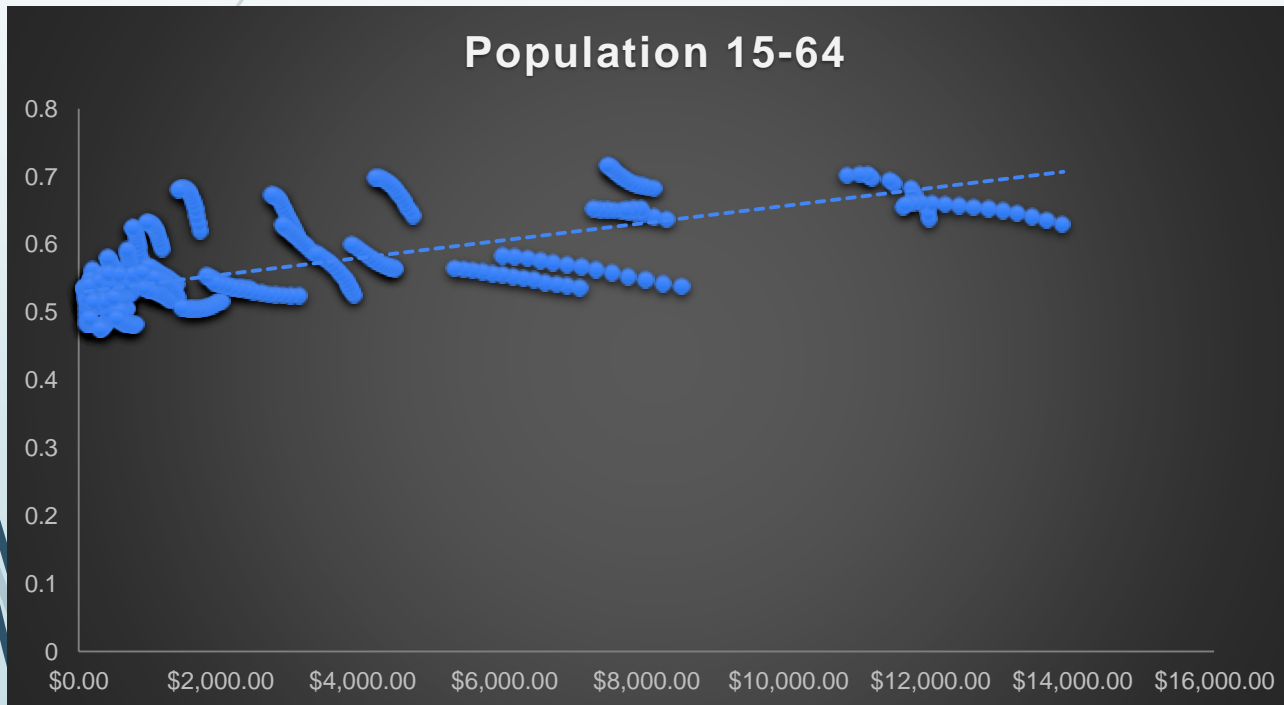
- The relationship is distinctly negative with GDP as to Have a higher value of GDP AFRICA should control their Birth rate.

- Correlation factor:-

-0.651154118

Region wise analysis:-Africa

Population Between 15-64



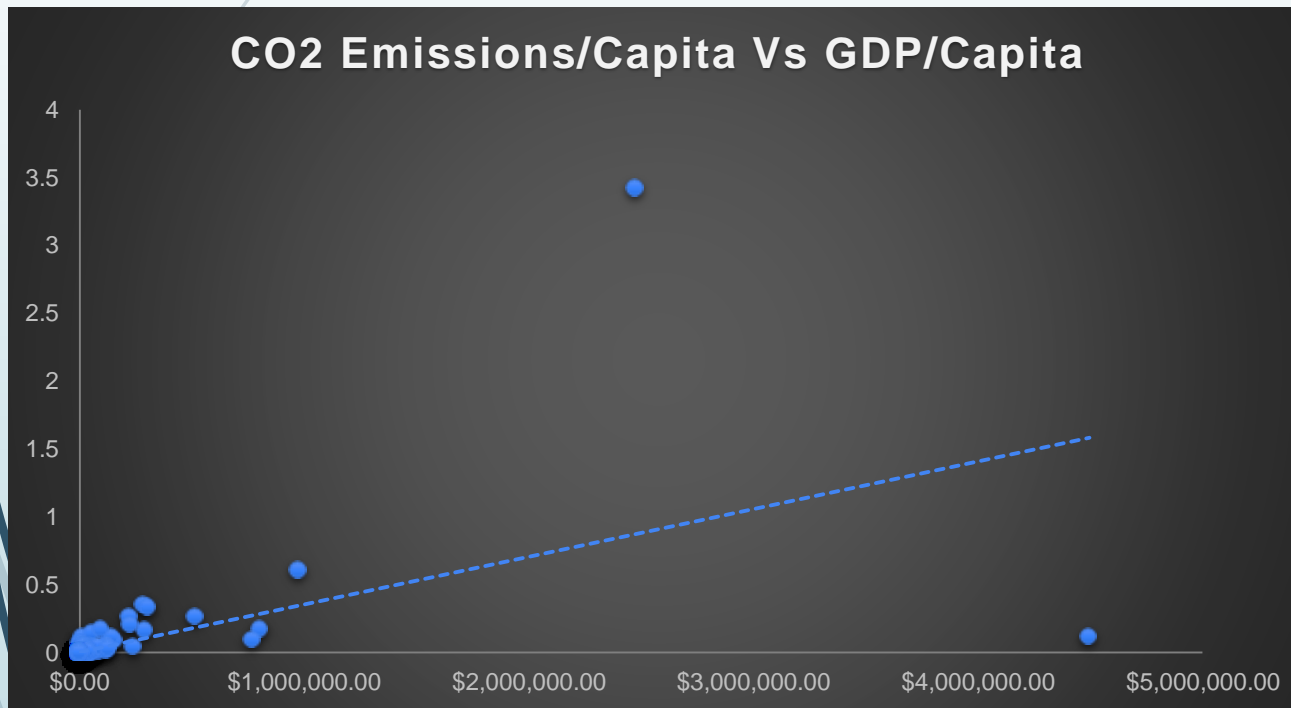
- The left picture clearly depicts that the present of people from age group 15-64 is boosting the value of GDP and it does have a significant impact.

➤ Correlation Factor:-

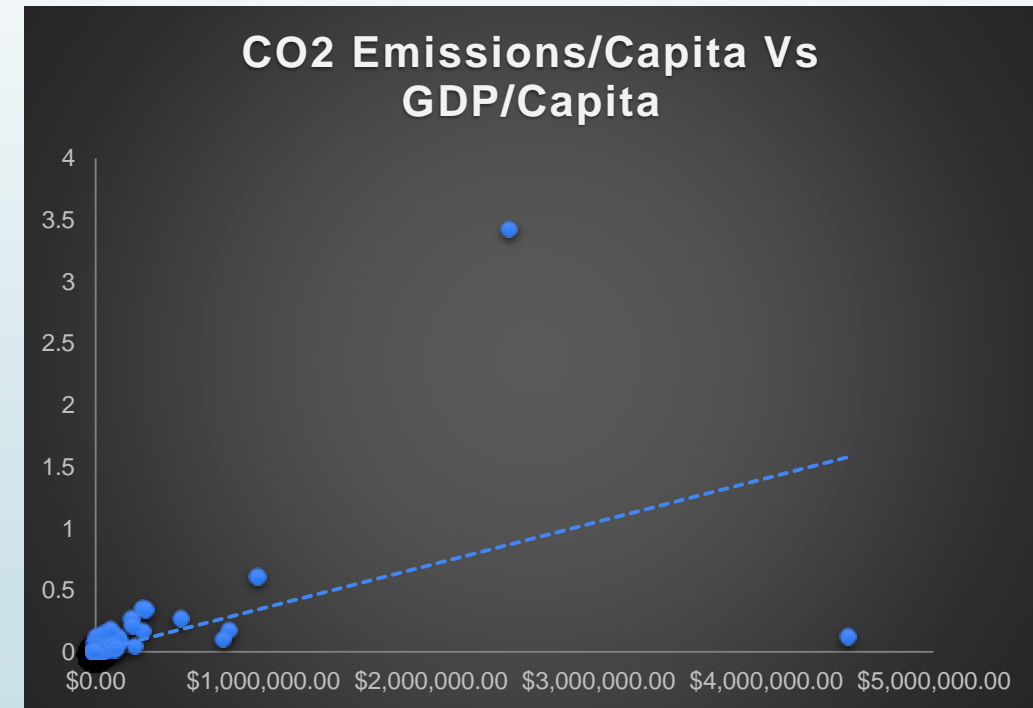
0.678421426

Region wise analysis:-Africa

Energy usage



CO2 emission

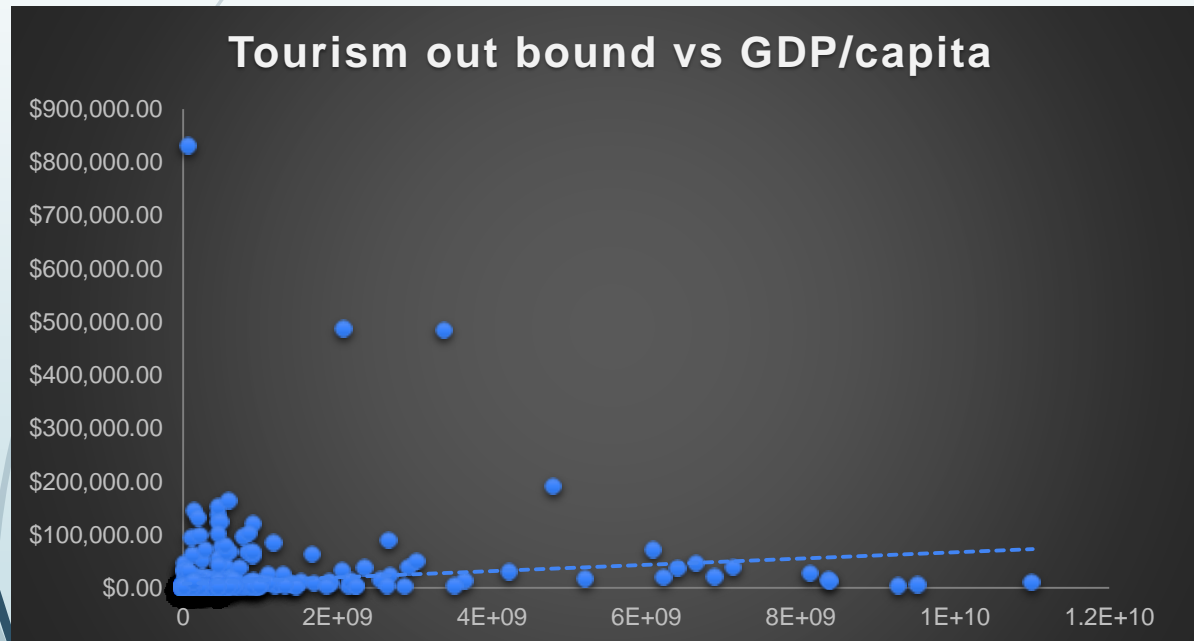


Region wise analysis:-Africa

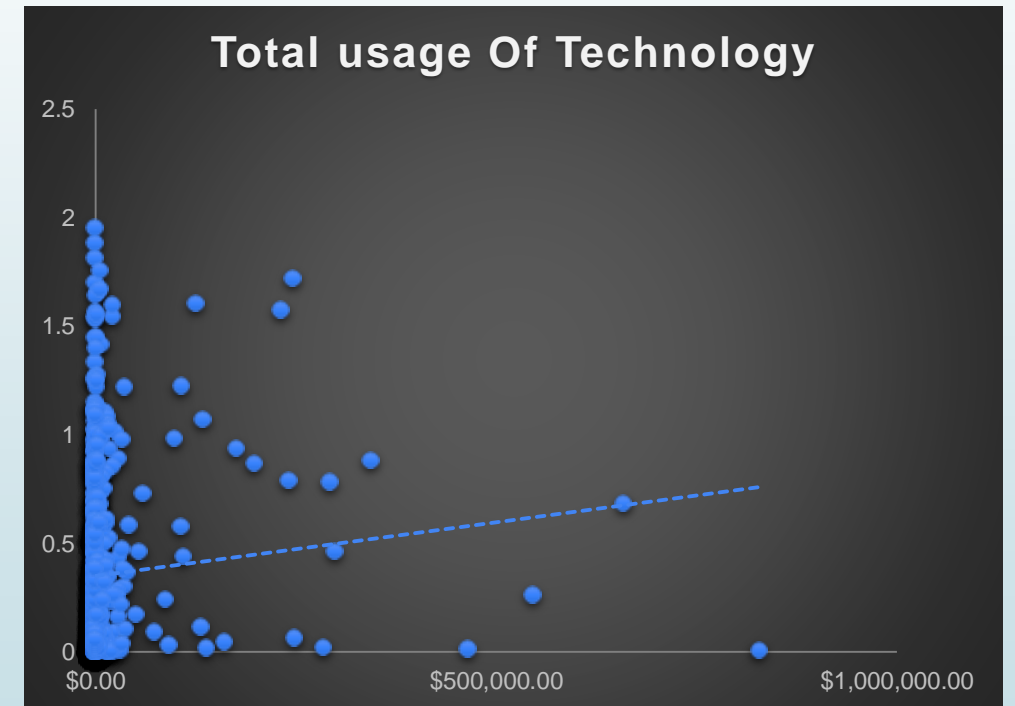
- The Correlation factor of Energy usage with GDP/capita is **0.897686161** Which clearly state that higher the energy use better the GDP.
- The Correlation between CO2 emission with GDP/Capita is **0.620990067** Which is the sign that due development and industrialisation uses of CO2 increases thus GDP also increasing as AFRICA is still developing.

Region wise analysis:-Africa

Tourism Sector



Technology usage

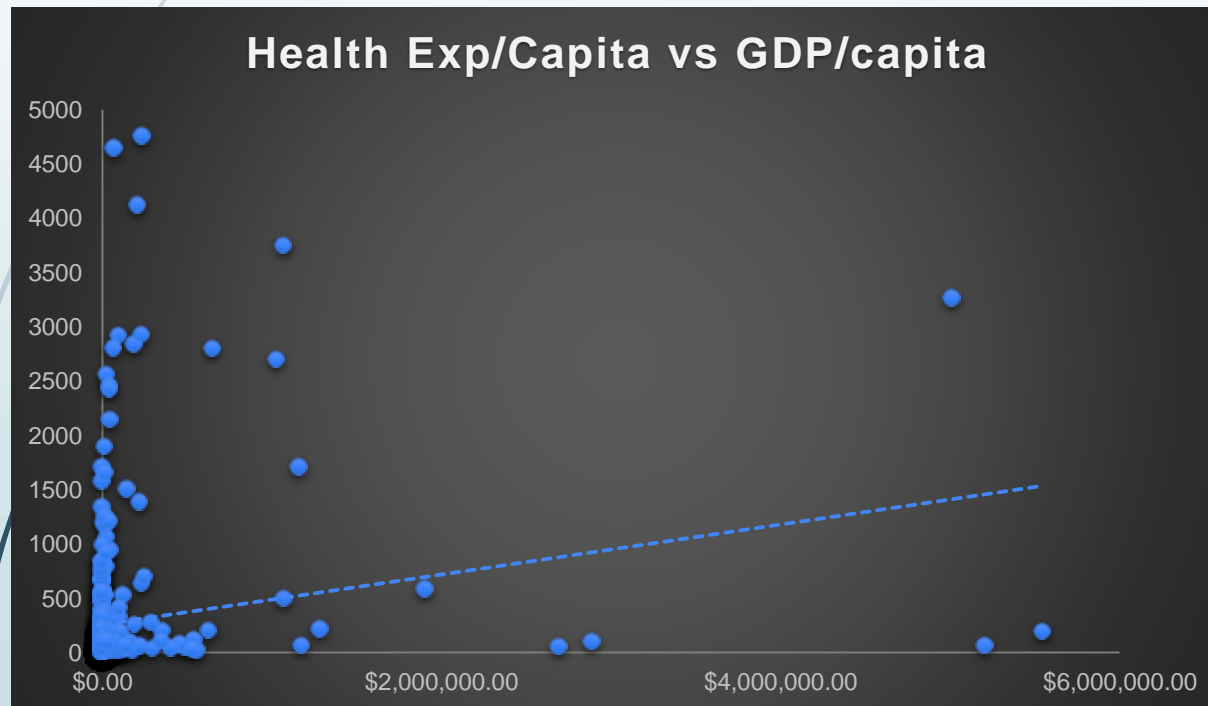


Region wise analysis:-Africa

- The tourism sector affecting the GDP in a positive manner and the correlation between them is **0.148962714** so AFRICA should focus on maintaining great environment for Tourism .
- The technology usage actually increasing the GDP value drastically the correlation factor with this **is 0.076451685** so Africa should adopt new technology to make the GDP to increase.

Region wise analysis:-Asia

Health Sector



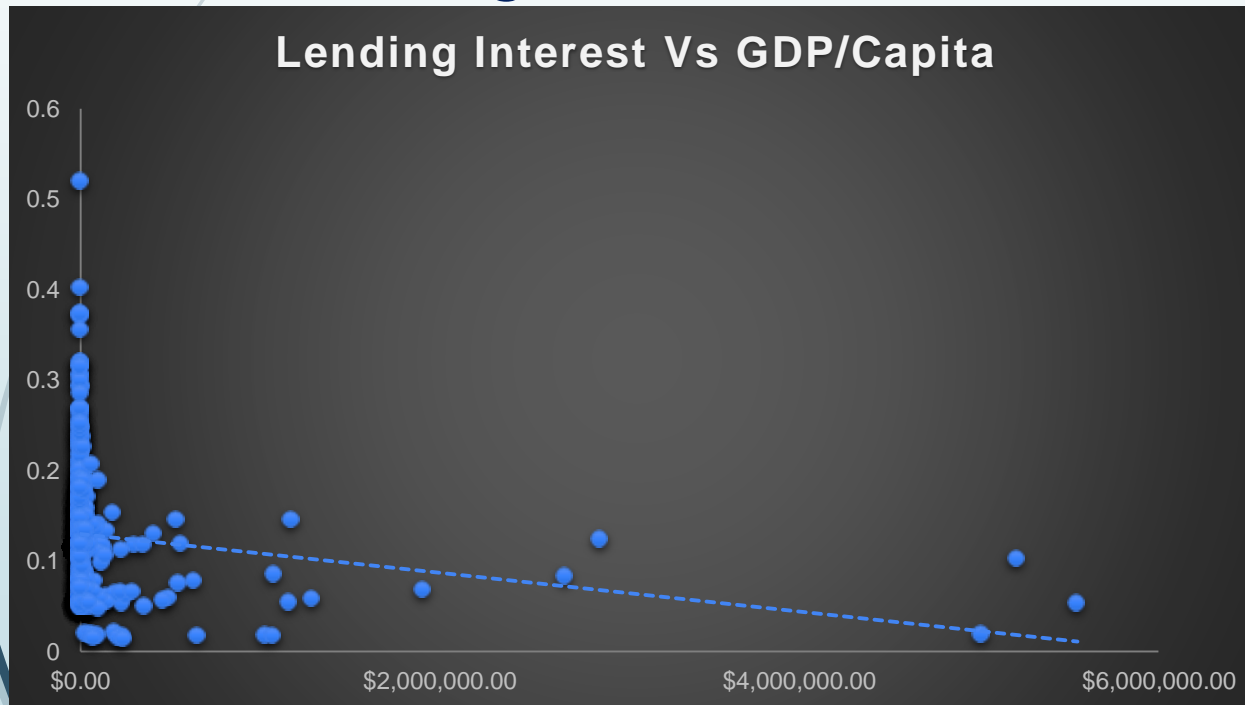
➤ As we can see that Health Sector is actually helping the GDP to grow so Asia should focus on getting more Health Facilities.

➤ Correlation Factor :-

0.185064117

Region wise analysis:-Asia

Lending Interest rate



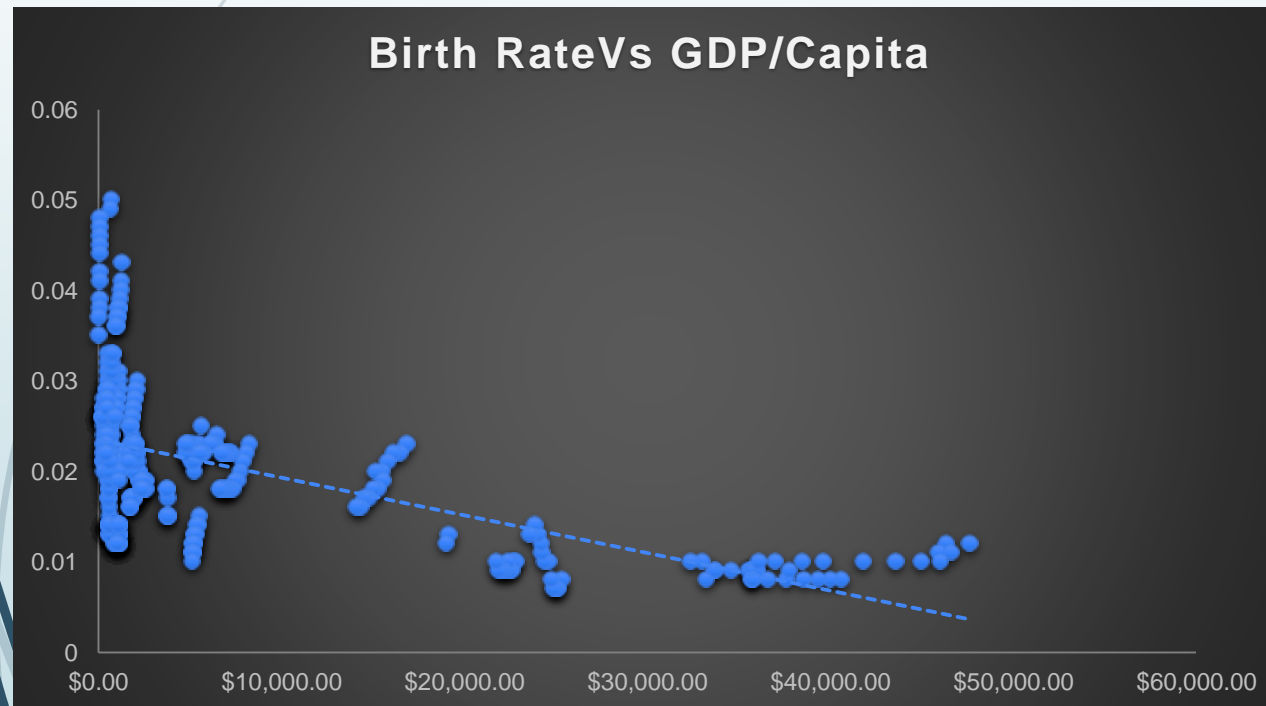
- The left picture depicts that lower the lending interest rate that is more better for GDP and ASIA should count on that.

➤ Correlation factor :-

-0.154378975

Region wise analysis:-Asia

Relation With Birth Rate



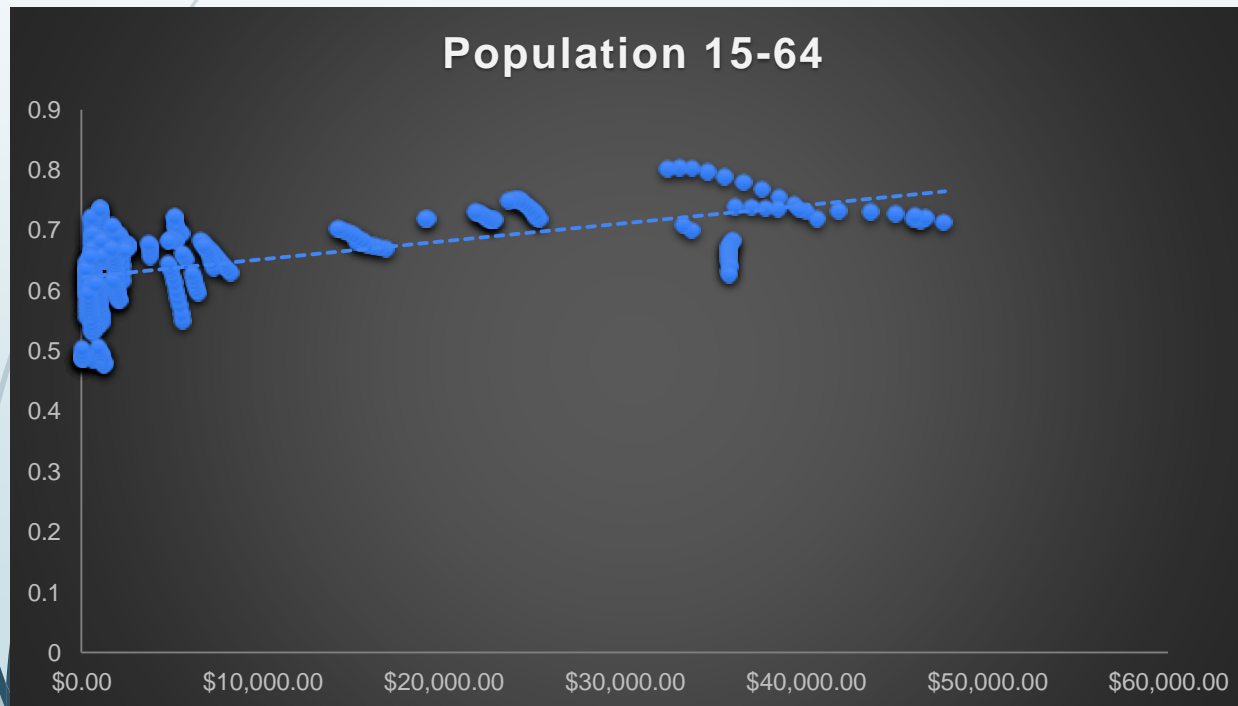
- According to the data and analysis it is evident that ASIA should control their birth rate as negative slope suggests so.

- Correlation Factor:-

-0.585137808

Region wise analysis:-Asia

Population of 15-64 years age



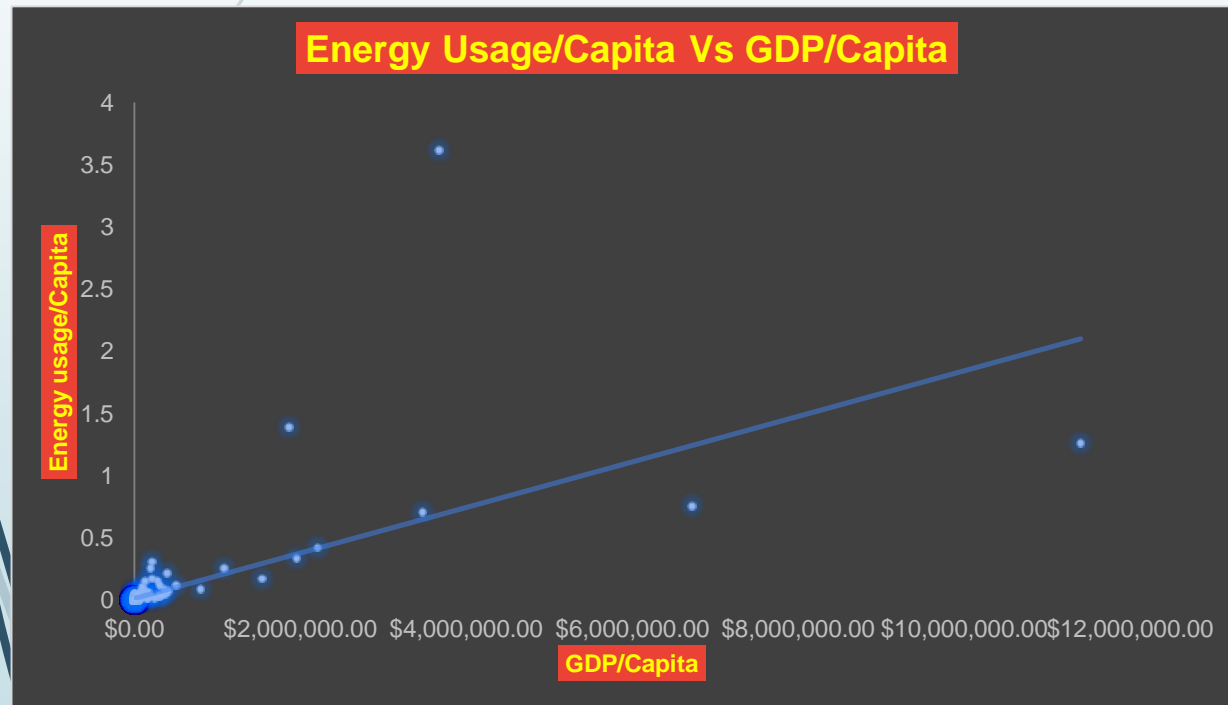
- The working professional and the youth is affecting GDP positively Through out and ASIA should count on that , give employability more to the young age.

➤ **Correlation Factor:-**

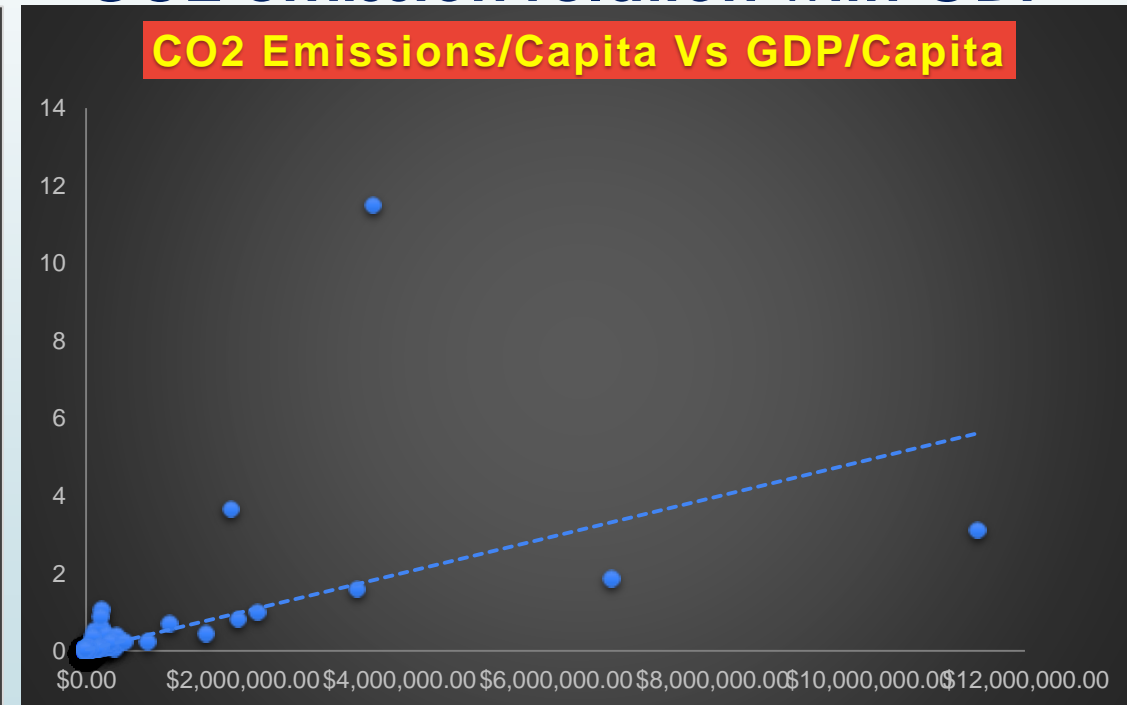
0.527097437

Region wise analysis:-Asia

Energy usage with GDP



CO2 emission relation with GDP

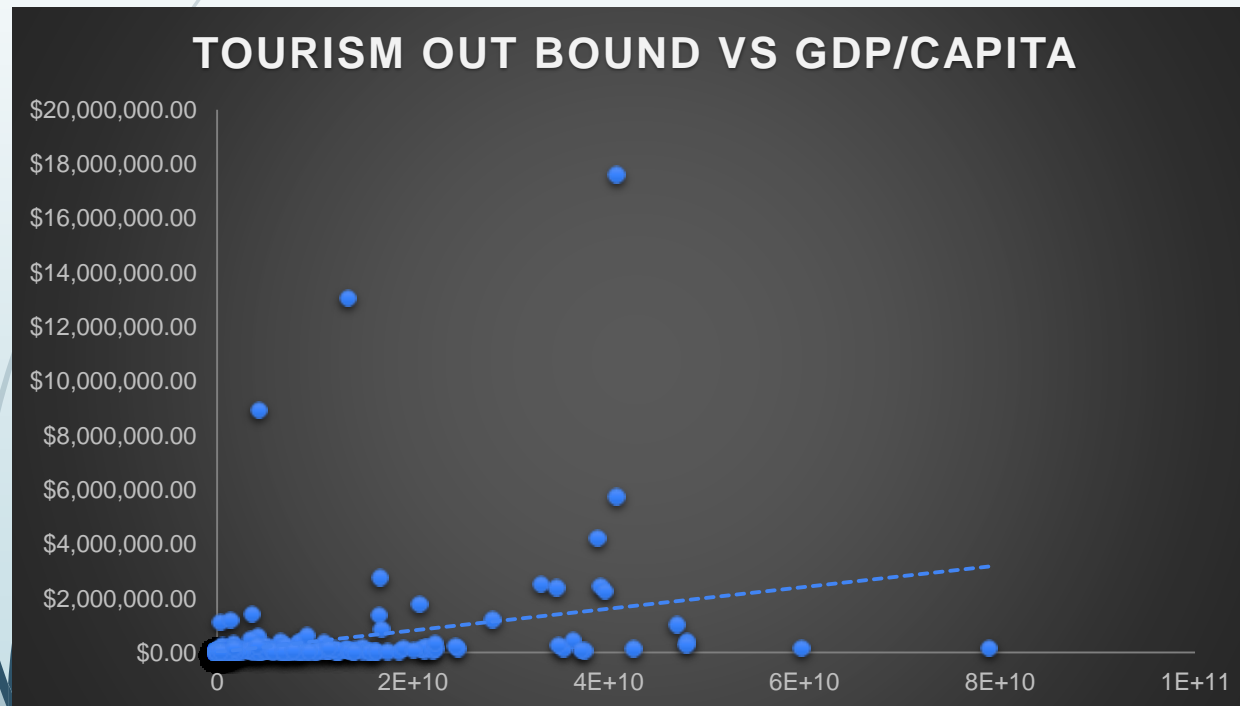


Region wise analysis:-Asia

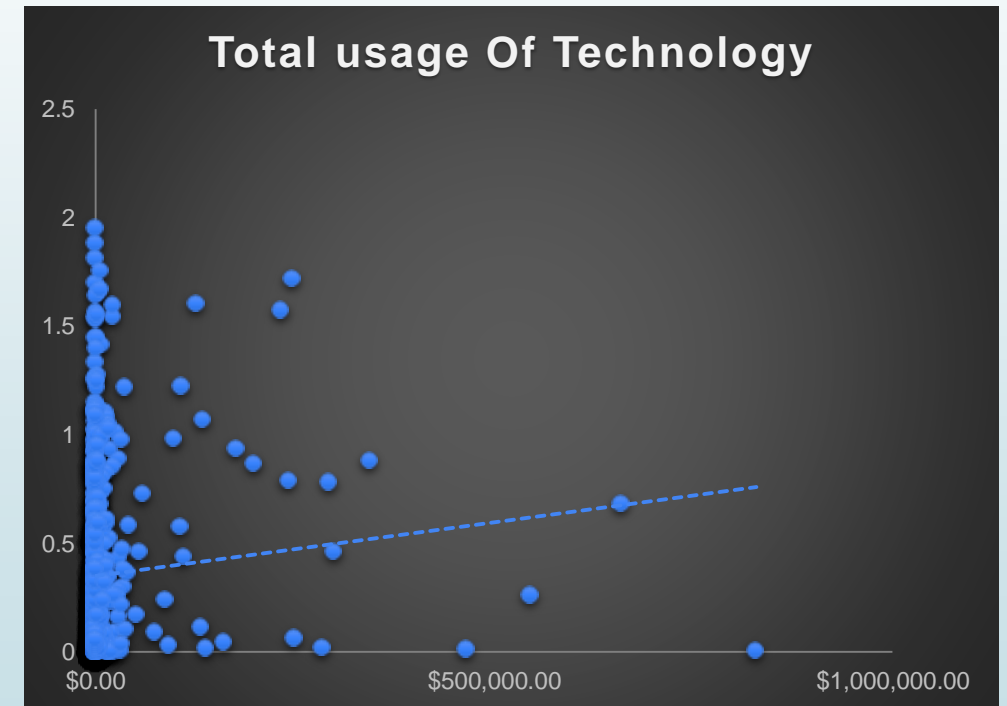
- The Correlation Factor between Energy usage with GDP/capita is **0.630704343** shows that more energy usage helps to grow GDP rapidly for ASIA.
- As ASIA is a developing country and more industry causes more CO₂ emission so it increases with GDP as industry brings more GDP the correlation Factor is **0.562807492**.

Region wise analysis:-Asia

Tourism with GDP/Capita



Technology usage with GDP/Capita



Region wise analysis:-Asia

- The ASIA have been positively impacted of Tourism in GDP & the Correlation Factor is **0.320801415** thus ASIA should focus on building good infrastructure for tourism.
- The new technology is actually changing it's pace very rapidly and ASIA is adapting that and it reflects on it's GDP. The Correlation Factor is **0.076451685.**

Region wise analysis:-Europe

- Better Health sector=Better GDP
Correlation Factor **0.071292086**
- Less lending rate=better GDP
Correlation Factor **-0.02491436**
- More Birth rate=Better GDP
Correlation Factor **0.165343679**
- Less Population of 15-64=Better GDP
Correlation Factor **-0.117801964**
- Better Tourism =Better GDP
Correlation Factor **0.275706558**
- Better use of
Technology=Better GDP
Correlation Factor **0.060358301**
- Better use of energy=Better
GDP
Correlation Factor **0.816366301**

Region wise analysis:-Middle East

- Better Health sector=Better GDP

Correlation Factor **0.054518302**

- More lending rate=better GDP

Correlation Factor **0.242833202**

- Less Birth rate=Better GDP

Correlation Factor **-0.434613074**

- More Population of 15-64=Better GDP

Correlation Factor **0.532680755**

- Better Tourism =Better GDP

Correlation Factor **0.04651199**

- Better use of Technology=Better GDP

Correlation Factor **0.020043288**

- Better use of energy=Better GDP

Correlation Factor **0.626860994**

Region wise analysis:-Oceania

- Better Health sector=Better GDP
Correlation Factor **0.696765045**
- Less lending rate=better GDP
Correlation Factor **-0.244111441**
- Less Birth rate=Better GDP
Correlation Factor **-0.506930413**
- More Population of 15-64=Better GDP
Correlation Factor **0.490238441**

- Better Tourism =Better GDP
Correlation Factor **0.576686438**
- Better use of Technology=Better GDP
Correlation Factor **0.469663207**
- Better use of energy=Better GDP
Correlation Factor **0.936182626**

Region wise analysis:-The America

- Better Health sector=Better GDP

Correlation Factor **0.500090402**

- less lending rate=better GDP

Correlation Factor **-0.074100019**

- Less Birth rate=Better GDP

Correlation Factor **-0.254293593**

- More Population of 15-64=Better GDP

Correlation Factor **0.133255754**

- Better Tourism =Better GDP

Correlation Factor **0.432758164**

- Better use of
Technology=Better GDP

Correlation Factor **0.069665861**

- Better use of energy=Better
GDP

Correlation Factor **0.995587404**



Conclusion

All the countries should try to focus on **better Health facilities, Less lending rate, control Birth rate, Employability Of the Youth generation, adapt modern technology and energy sources** more rapidly to strengthen the economy and **Promote tourism** to attract tourist from various places.



Thank You

Thanks for your attention