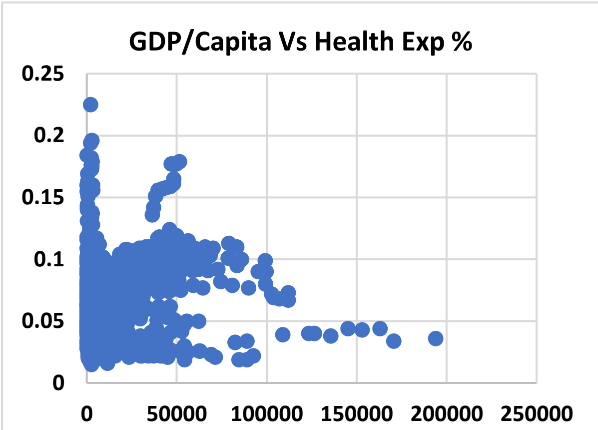
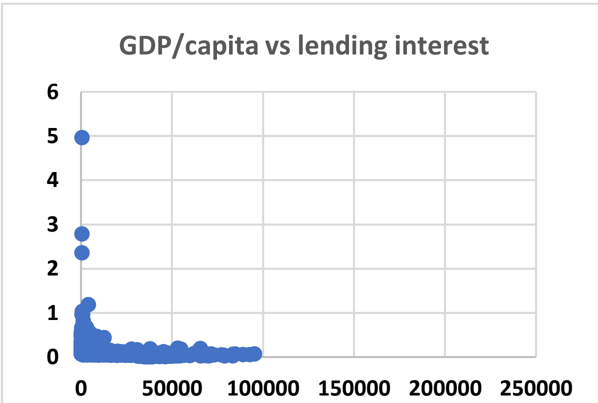
World Economic Indicator

We were given a data set of world economic indicators to analyse how a country can attain sustainable growth. After the analysis we came to know that there are factors that affects the GDP of a country both positively and negatively. These factors are as follows:-

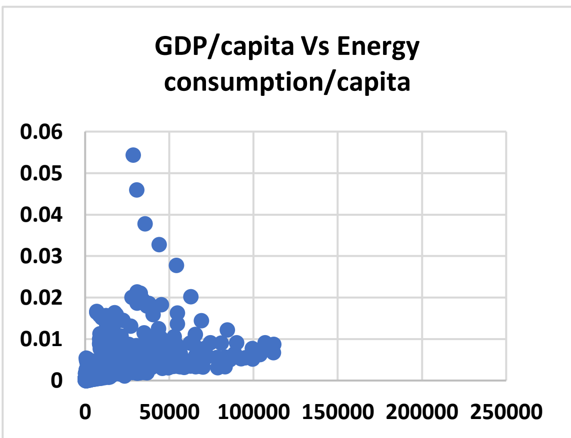
1. **Health expenditure as a % of GDP**:- After analysing the data of health expenditure with GDP/Capita we can see that there is a positive correlation where GDP/capita increases where Health expenditure increases.



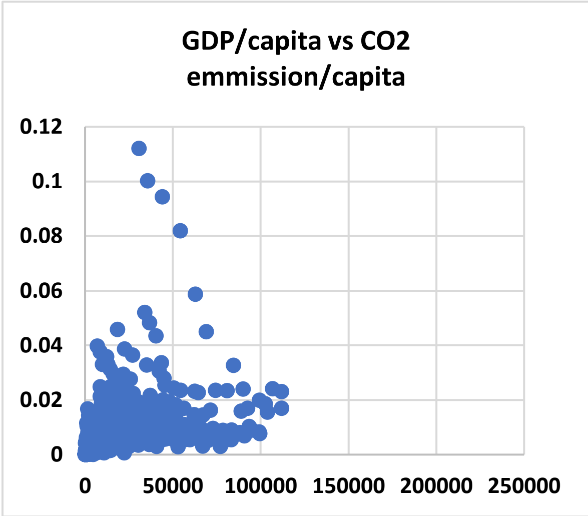
2. **Lending interest rate:-** As we analyse the data of lending interest with GDP/capita we can see that there is a negative correlation between them where GDP increases when lending interest decreases.



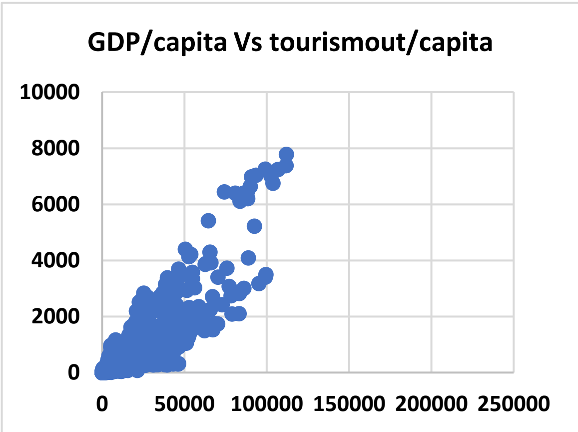
3. **Energy consumption / capita:-** As we analyse the data of Energy consumption / capita with GDP/capita we can see that there is a positive correlation between them where Energy consumption / capita increases GDP also increases.



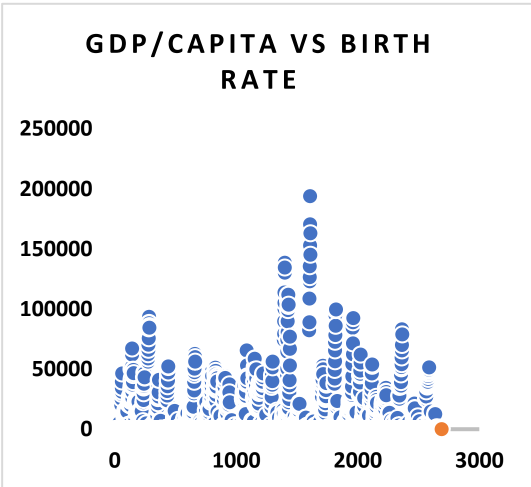
4. **CO2 emission / capita:-** After analysing the data of CO2 emission/capita with GDP/Capita we can see that there is a positive correlation where GDP/capita increases when Co2 emission/capita increases.



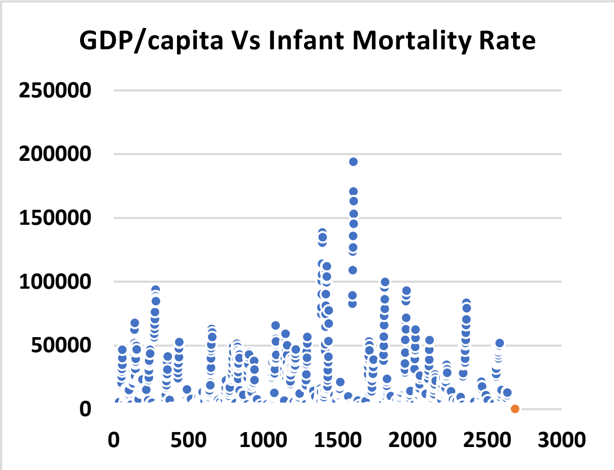
5. **Tourism outbound / Capita:-** As we analyse the data of Tourism outbound / capita with GDP/capita we can see that there is a positive correlation between them where Tourism outbound/ capita increases GDP also increases.



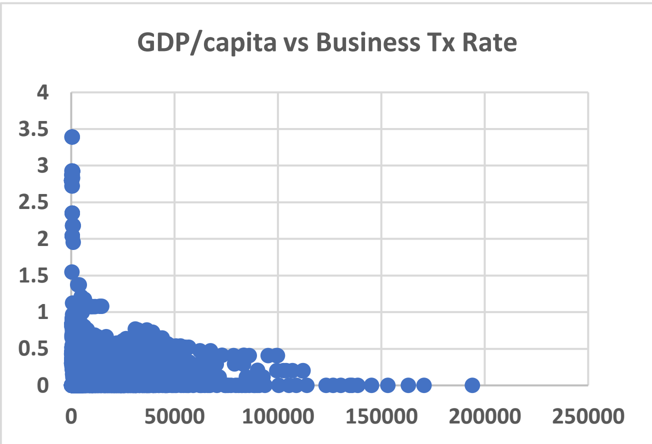
6. **Birth Rate:-** In this analysis we have a negative correlation between Birth rate and GDP/capita. So, when Birth rate increases GDP decreases



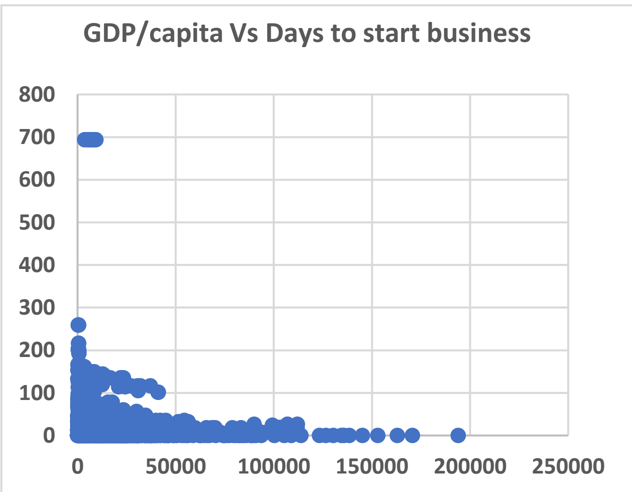
7. **Infant Mortality Rate:-** As we analyse the data of Infant Mortality Rate with GDP/capita we can see that there is a negative correlation between them where Infant Mortality Rate increases GDP decreases.



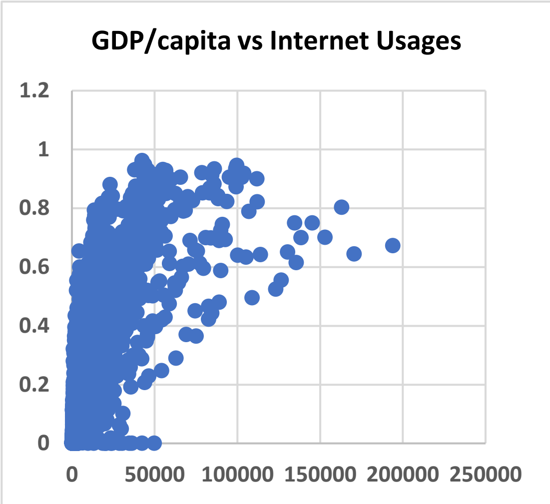
8. **Business Tax Rate:-** As we analyse the data of Business Tax Rate with GDP/capita we can see that there is a negative correlation between them where Business Tax Rate increases then GDP decreases.



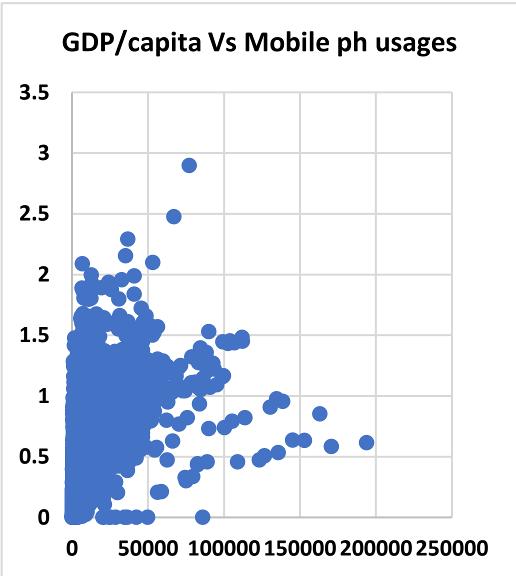
9. **Days to Start Business:-** As we analyse the data of Days to start business with GDP we can see that there is a negative correlation between them where days taken to start a business increases then GDP decreases.



10. **Internet Usage:-** As we analyse the data of internet usage with GDP/capita we can see that there is a positive correlation between them when internet usages in a country increases GDP of that country also increases.



11. **Mobile Phone Usage:-** As we analyse the data of mobile phone usages with GDP/capita we can see that there is a positive correlation between them when Mobile phone usage in a country increases GDP of that country also increases.



While doing the analysis we can also see from our analysis that there are outliners present in the data set .

So, for a sustainable growth of GDP countries should try to emperies on health expenditure, energy consumption, CO2 emission, tourism, internet and phone usage and also try to decrease lending interest, birth rate, infant mortality rate, business tax rate, days to start a business etc.

Thank You.