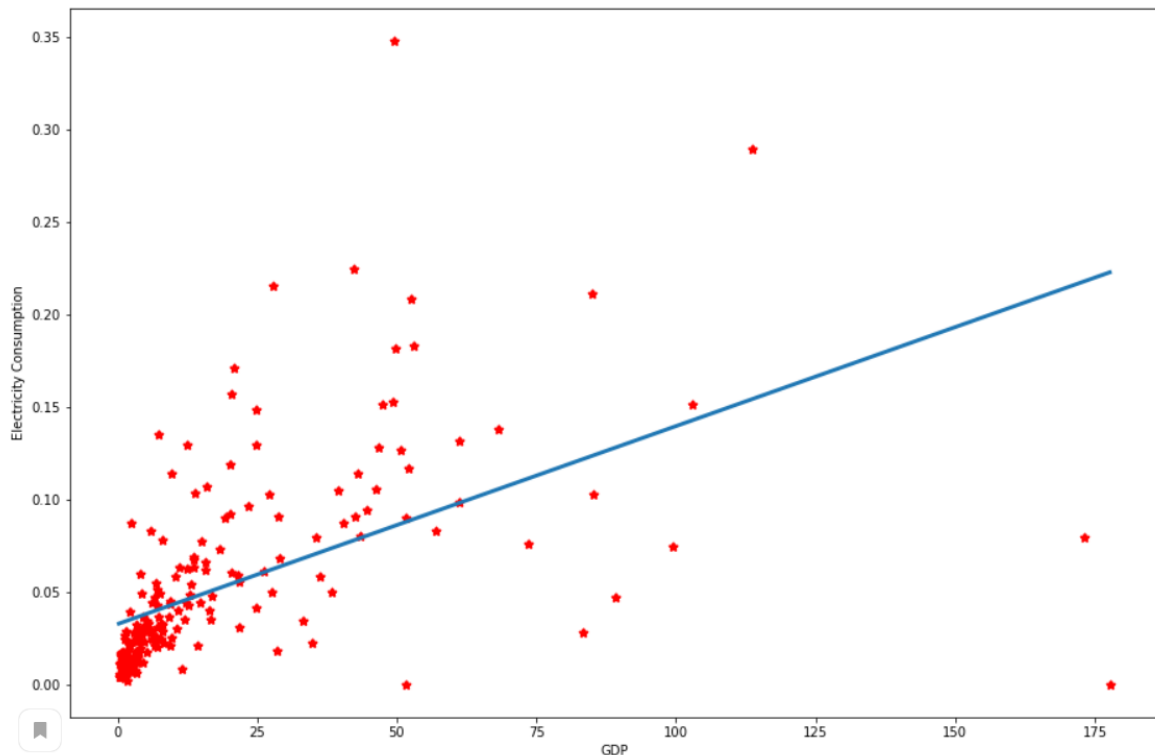For this regression analysis, I wanted to see whether GDP per capita is one of a driver for electricity consumption/population. To investigate this hypothesis, I used WB database, and this data was containing GDP, Total Energy Consumption and Population. Then by dividing energy consumption to the population data I derived consumption per person. The result was a bit sufficient. Besides to analysis on python I also made an analysis on Excel and checked the Anova table. Regarding the P values and F statistic the result was good, however the R values were a bit lower. They mean GDP is one driver for consumption but there are other drivers, we should update the model and add new parameters.

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.532725
R Square	0.283796
Adjusted R	0.280233
Standard E	0.045994
Observatic	203

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.168488529	0.168489	79.64629607	2.81351E-16
Residual	201	0.425207398	0.002115		
Total	202	0.593695927			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.03284	0.003888155	8.44611	5.99632E-15	0.025172982	0.040506595	0.02517298	0.040506595
GDP	0.00107	0.000119951	8.924477	2.81351E-16	0.000833975	0.001307022	0.00083397	0.001307022