**CS306 Project: Energy Production and Emission**

**STEP IV**

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[GitHub - xxRevo/CS306Project\_Group10](https://github.com/xxRevo/CS306Project_Group10)

The python code and the outputted figures are included in the github repository above.

Figure 1)

We have put the top 10 clean energy producing countries into a graph from year 1990 to 2020, important thing to note is that Iceland’s clean energy production is considerably more than any other nation in the graph.

Figure 2)

We compared the total clean and dirty energy production in years, althrough dirty energy production is considerably greater than clean energy production, there is a slight decrease trend in dirty energy production since 2012 and upwards trend on clean energy production since 1990.

Figure 3)

In figure 3, we put together the temperature anomalies according to ozone densities, what this graph confirms is that temperature anomalies are more common when ozone density is lower meaning that in regions with high dirty energy production and ozone damage, temperatures vary more than its normal value.

Figure 4)

In figure 4 we have shown the negative corrolation between ozone density and dirty energy production, this graph confirms that dirty energy production decreases ozone density, the ozone density peaks when energy production is on a decreasing trend and vice versa.

Figure 5)

We’ve compared CO2 emission and population which shows they almost perfectly overlap meaning the population and total CO2 emissions almost corrolate one to one.