

Work Plan Group 10

Question 20

Felix Korbilius 01526132, Frank Ebel 01429282, Johannes Schabbauer 11776224
Josef Glas 08606876

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Questions we plan to answer

How has the use of nuclear energy evolved over time?

First we want to use descriptive statistics to describe the nuclear energy usage (creation/consumption) of countries over the years. We want to see if there is a correlation between energy imports/exports. We also want to find out if/how policies, treaties, agreements changed the usage (nuclear phaseout after Fukushima 2011, Kyoto Protocol, Paris Agreement, ...)

How well does the use of nuclear energy correlate with changes in carbon emissions?

We want to compare the total/relative nuclear energy creation of a country against its carbon emissions. Maybe we need to normalize the data per capita. A possible exploration would be if countries with nuclear power plants generate less electricity via renewable energy sources?

Are there characteristics of a country that correlate with increases or decreases in the use of nuclear energy?

Datasets we intend to use

- [US Energy Information Administration](#)
- [Our World in Data energy consumption](#)
- [bp, Statistical Review of World Energy](#)
- [Share of nuclear in electricity production](#)

Work allocation