World Resource Trade Analysis

I have created a dashboard for the dataset "resourcetradeearth-all-all-all-2018.xlsx" which can be found here https://resourcetrade.earth/data.

The data is open source and available to all.

File Name: resourcetradeearth-all-all-all-2018.xlsx (24.1 Mb)

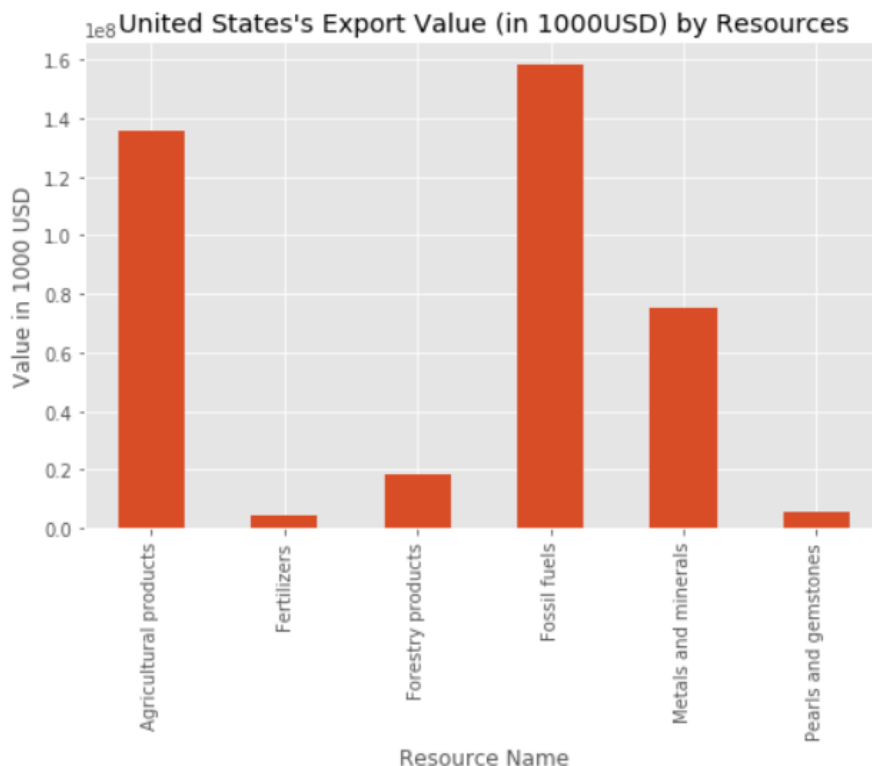*Source:* Chatham House (2018), 'resourcetrade.earth', http://resourcetrade.earth/

Dashboard

The dataset is a repository of bilateral trade in natural resources between more than 200 countries and territories for the period 2014 to 2018. It includes the monetary values and masses of trade in over 1,350 different types of natural resources and resource products, including agricultural, fishery and forestry products, fossil fuels, metals and other minerals, and pearls and gemstones.
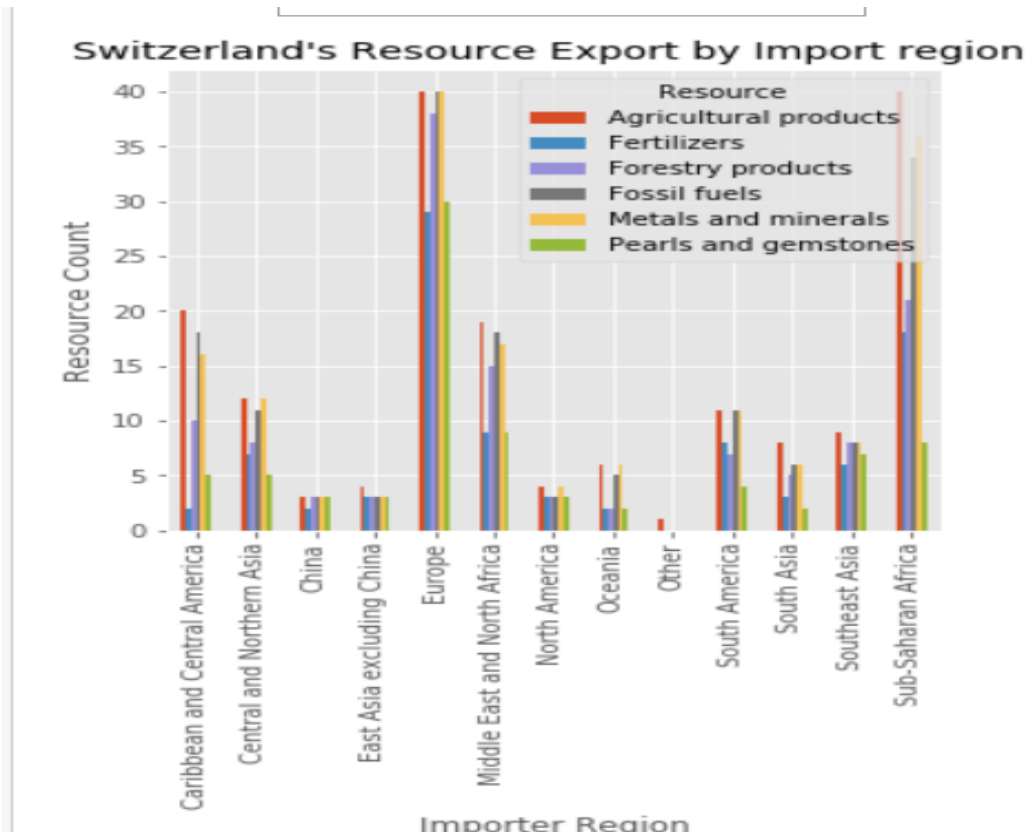
I have included the data present in the "Trades" sheet of the spreadsheet for analysis.

The dashboard has three parts.

The first part of the dashboard consists of a visualization where the user has the option to select an exporter and year from a dropdown list to generate a plot that details the export value break up across different resource categories. The plot will be a bar plot and the user has the liberty to choose the size of the plot. Also, the default exporter and year will be 'United States' and '2014' when the plot is generated for the first time.

The second part of the dashboard is a visualization where again the user has the option to select an exporter and year from a dropdown list, but this time the plot will be a comparison of resource export for the exporter for different import regions. The plot again will be a bar plot with options to resize. This time, the default exporter and year will be 'Switzerland' and '2016' when the plot is generated the first time.

Finally, the third part of the dashboard consists of a visualization where the user has the option to select year from a dropdown list. This will generate a line plot that shows a trend analysis for the top three exporters, based on the total export value, in the selected year across different resource categories. The default year in this case will be '2018' and the user will again have the option to resize the plot.

Top 3 Countries' Export Value (in 1000USD) by Resources in a given year