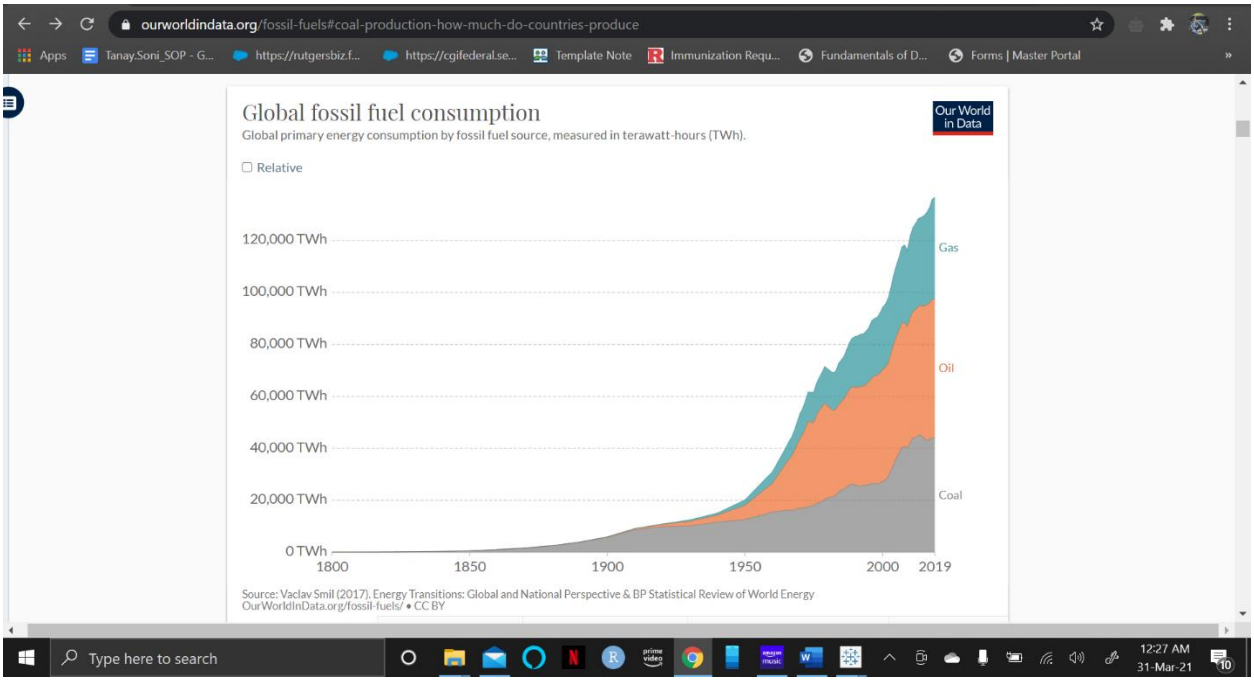
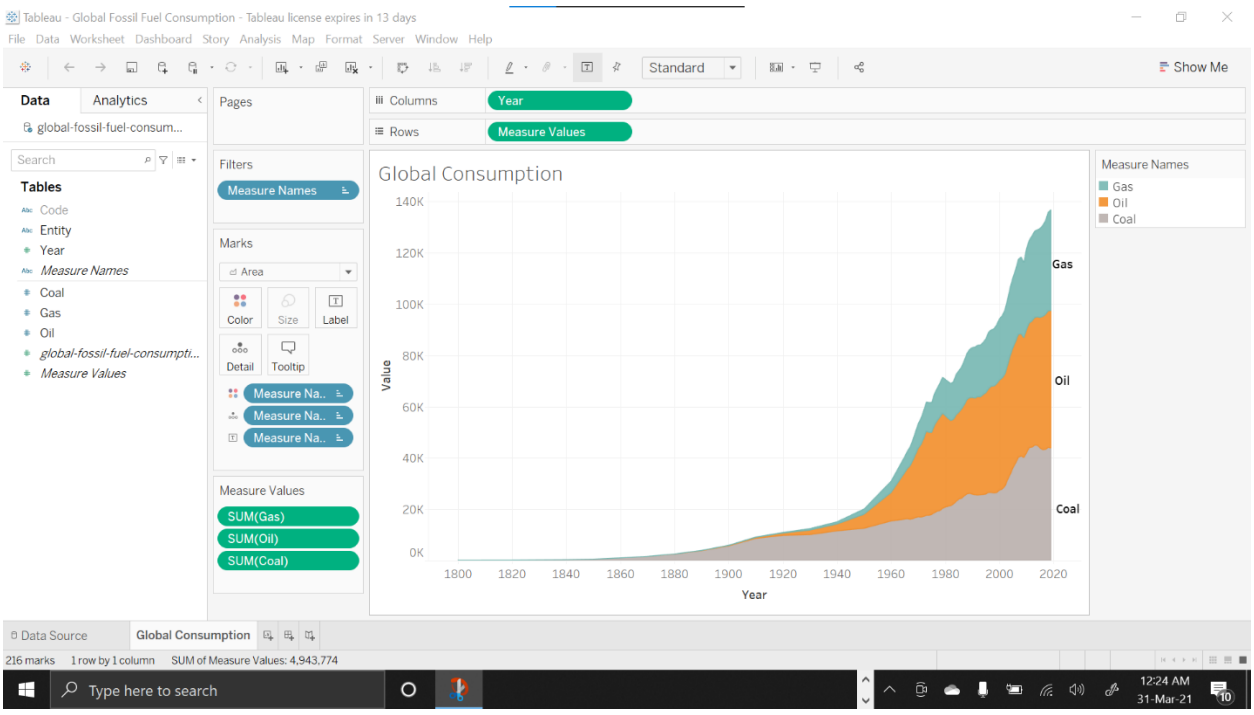
HOMEWORK 2

TANAY SONI

Fossil Fuels

1. **Global Fossil Fuel Consumption:**



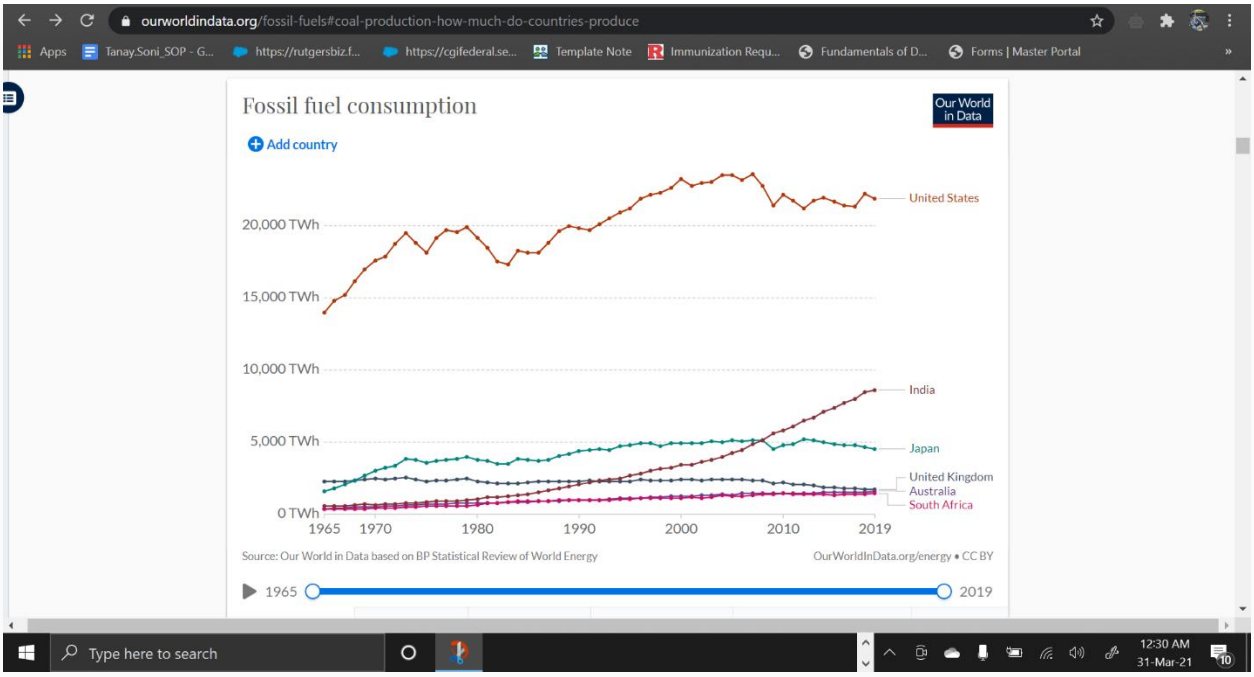


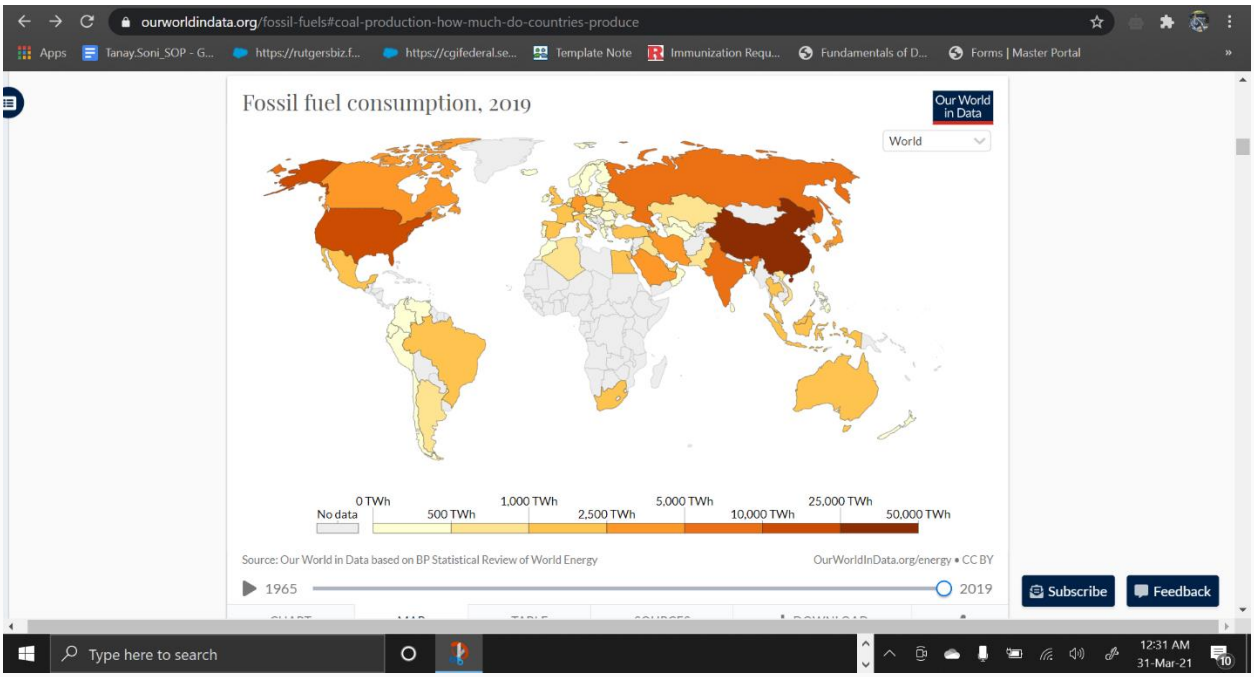
CONCLUSION -

In the interactive area chart, we see global fossil fuel consumption broken down by coal, oil and gas since 1800. Fossil fuel consumption has increased significantly over the past half-century, around eight-fold since 1950, and roughly doubling since 1980.

But the types of fuel we rely on has also shifted from solely coal towards a combination with oil, and then gas. Today, coal consumption is falling in many parts of the world. But oil and gas are still growing quickly. This can be interpreted from the area chart, as the more the area of a chart the more value of it.

2. **Fossil Fuel Consumption:**




ourworldindata.org/fossil-fuels#coal-production-how-much-do-countries-produce
Fossil fuel consumption, 2019
Our World in Data
World
0 TWh
No data
500 TWh
1,000 TWh
2,500 TWh
5,000 TWh
10,000 TWh
25,000 TWh
50,000 TWh
Source: Our World in Data based on BP Statistical Review of World Energy
OurWorldInData.org/energy • CC BY
1965
2019
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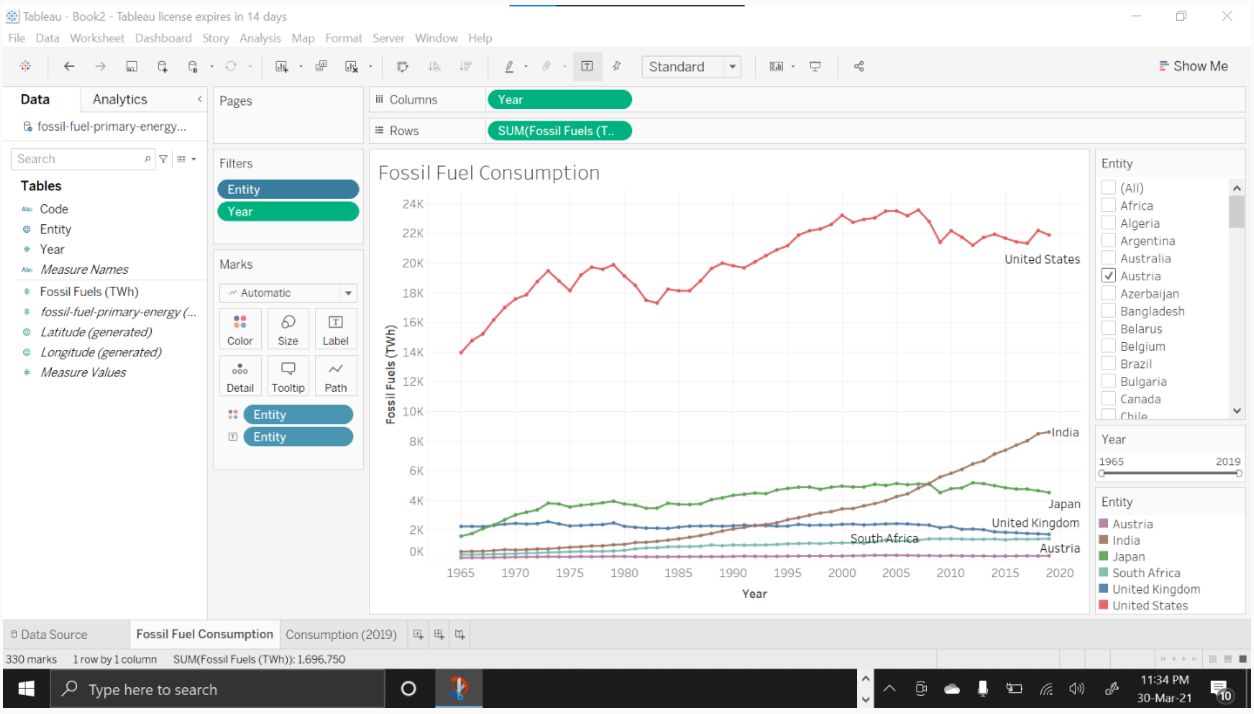
Tableau - Book2 - Tableau license expires in 14 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
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fossil-fuel-primary-energy...
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Fossil Fuels (TWh)
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1965
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1975
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United States
India
Japan
United Kingdom
South Africa
Austria
Entity
(All)
Africa
Algeria
Argentina
Australia
Austria
Azerbaijan
Bangladesh
Belarus
Belgium
Brazil
Bulgaria
Canada
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Austria
India
Japan
South Africa
United Kingdom
United States
Data Source
Fossil Fuel Consumption
Consumption (2019)
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SUM(Fossil Fuels (TWh)): 1,696,750
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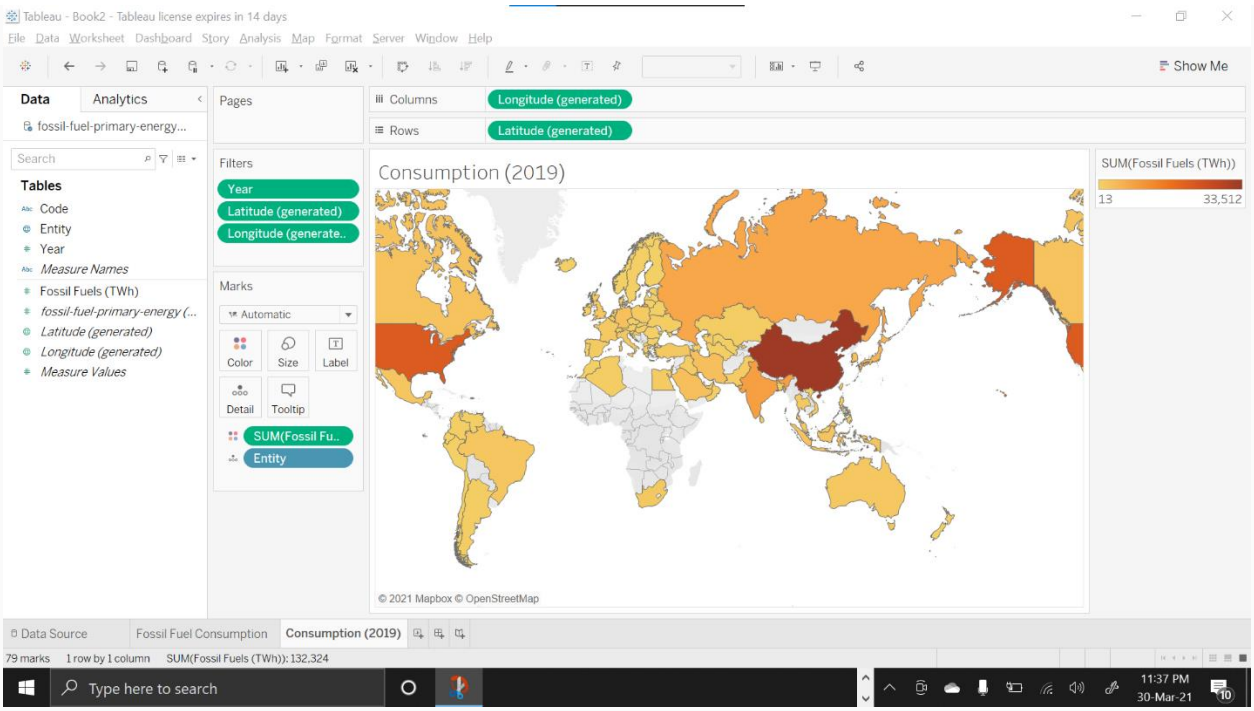
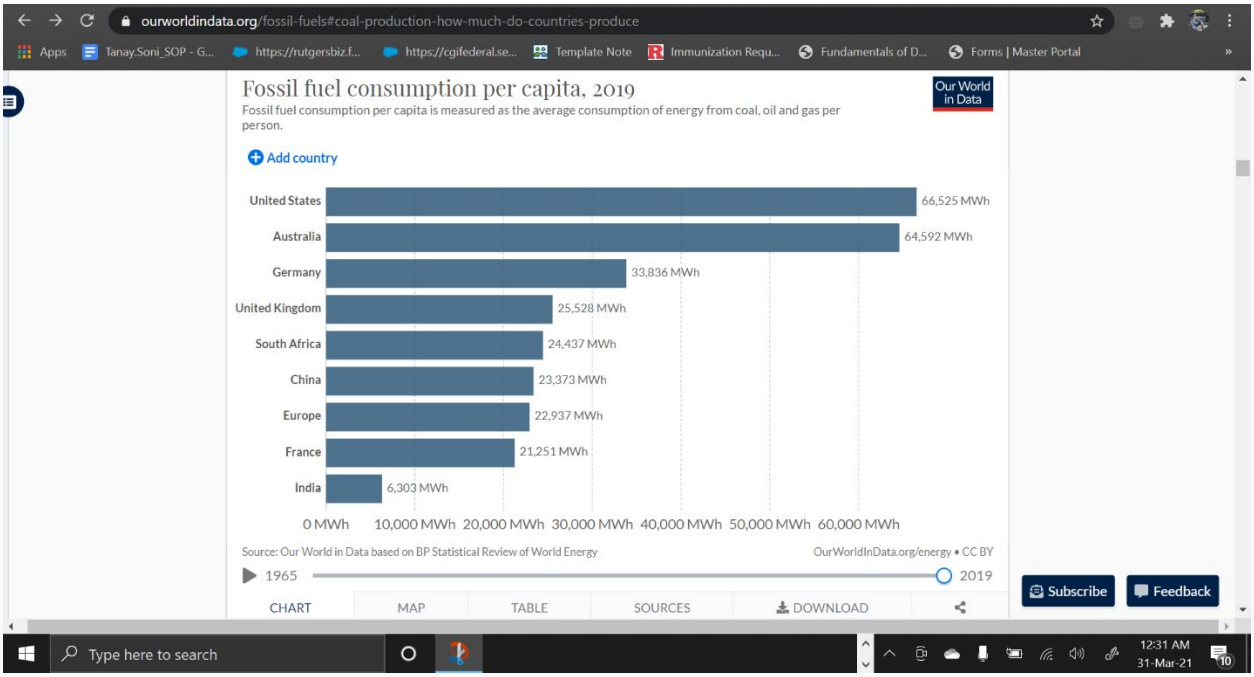


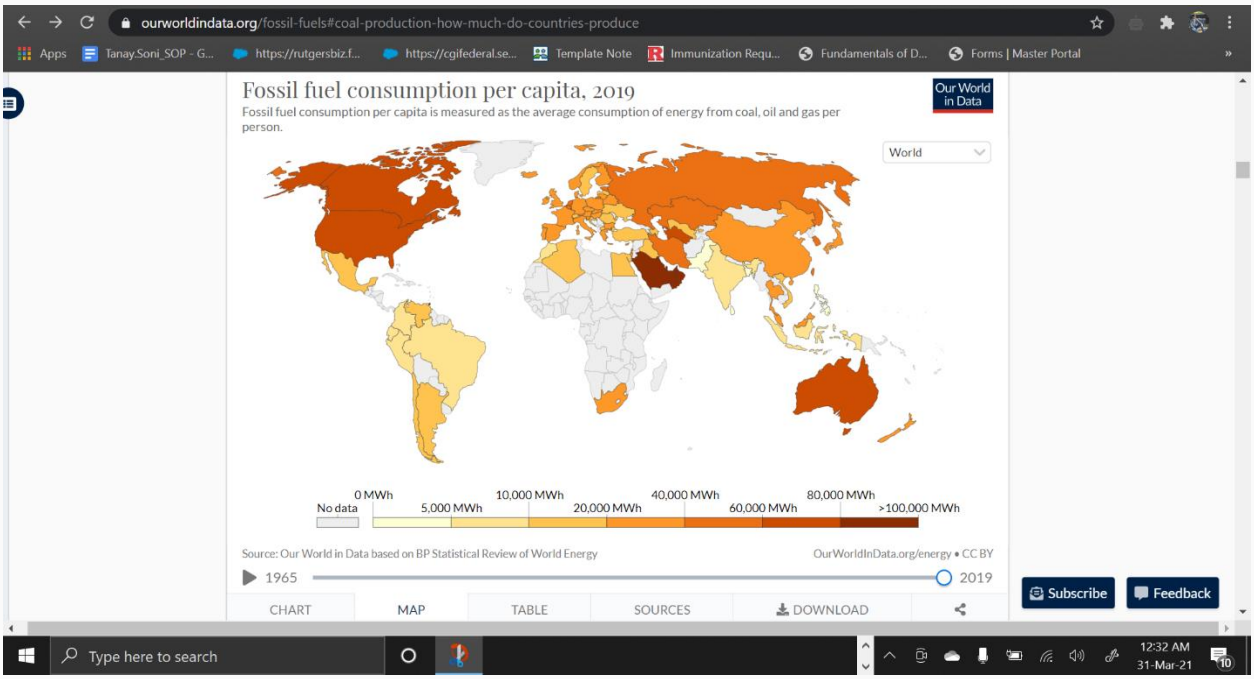
Conclusion –

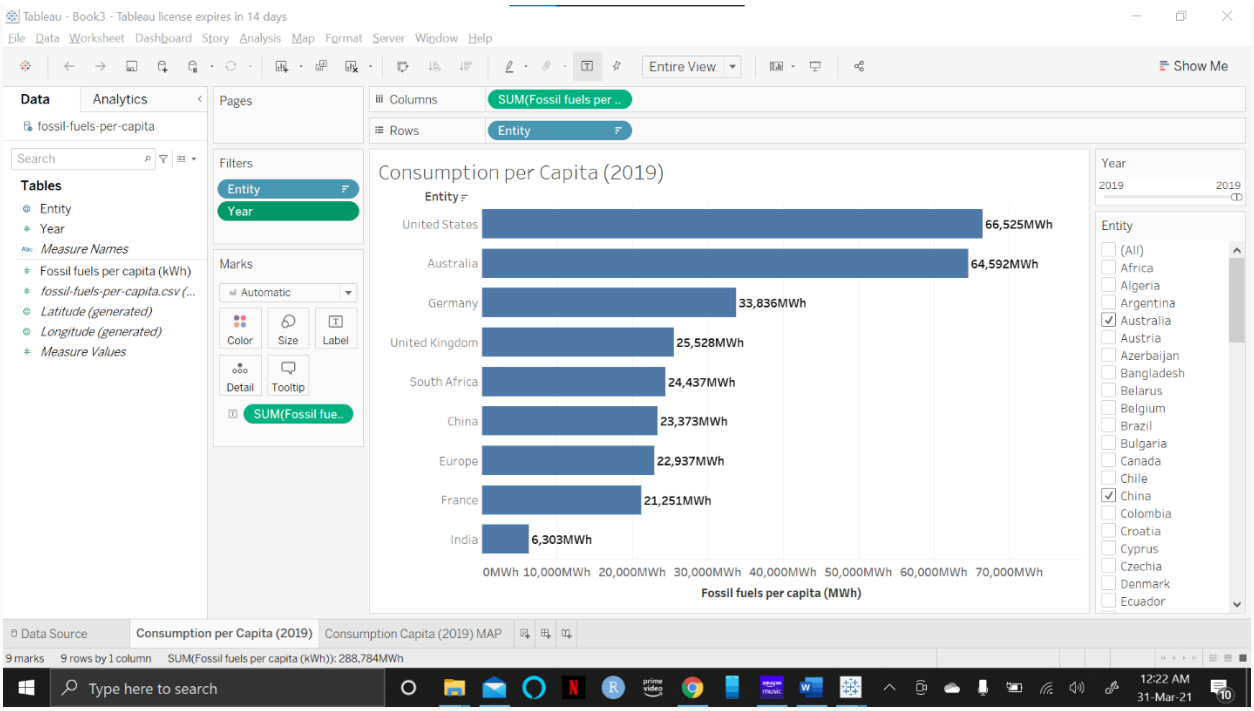
The interactive line and heat map chart here shows the amount of primary energy from fossil fuels that is consumed. Here the line chart shows us the sum of consumption of fossil fuels across a range of years while the heat map chart shows the consumption in 2019. This is the sum of energy from coal, oil and gas. Here from heat map chart we can see that the consumption of fossil fuels is highest in China in 2019 according to our data.

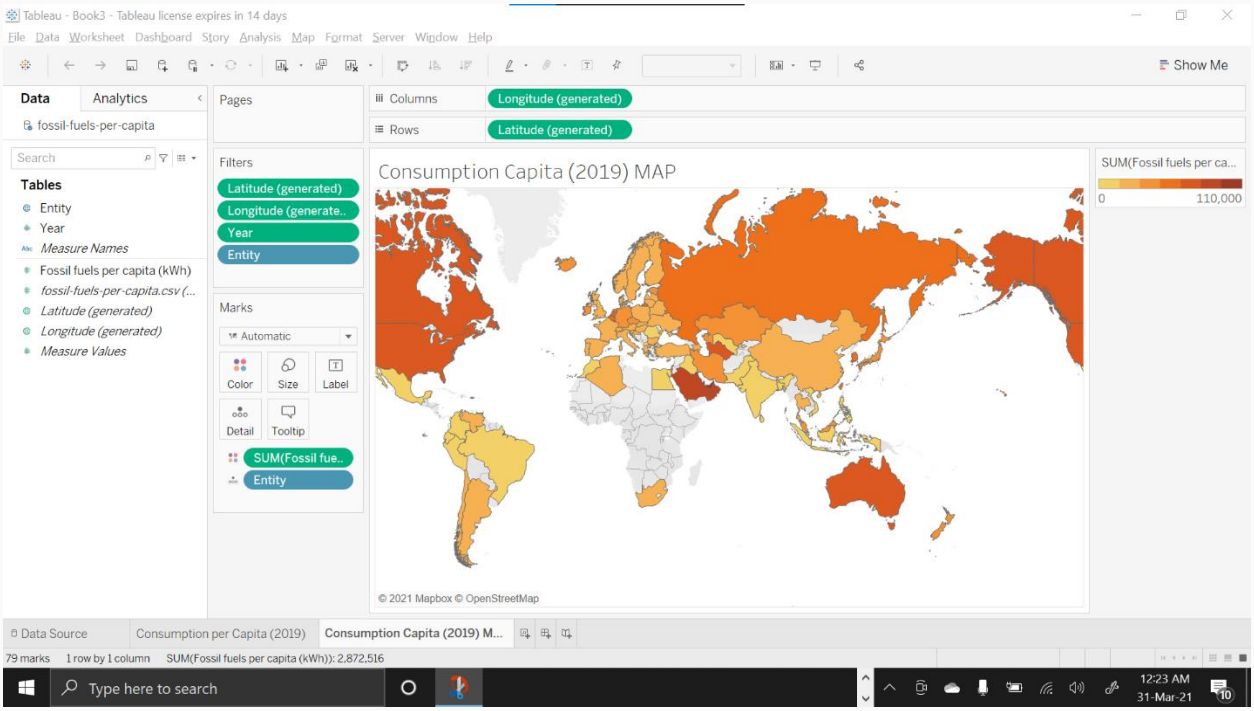
According to the line chart we can infer that India has an exponential growth across the years as it continuously increases its fossil fuel consumption. While United States has also an increase in consumption while United Kingdom has a decrease in consumption and that can be of certain reasons like the people in United Kingdom must have used other means of transport to commute.

3. **Per Capita Consumption:**









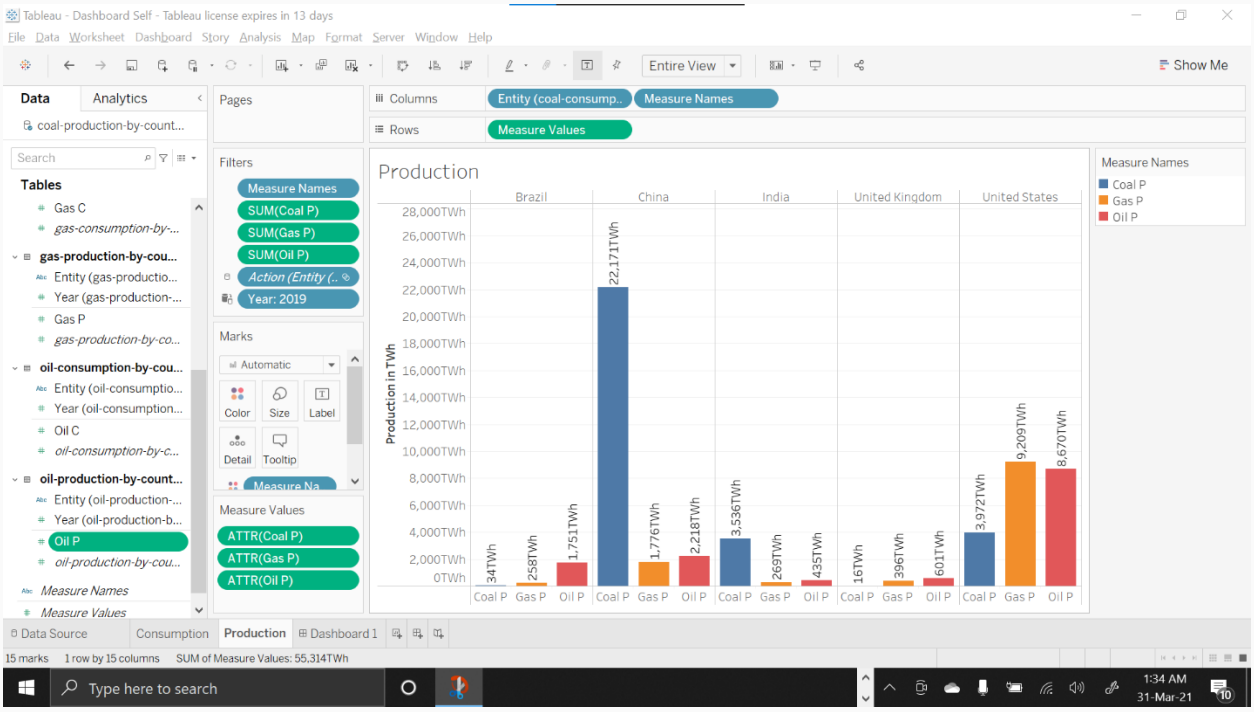
Conclusion-

In the interactive chart we see the amount of energy from fossil fuels consumed per person. This is the sum of primary energy from coal, oil and gas combined.

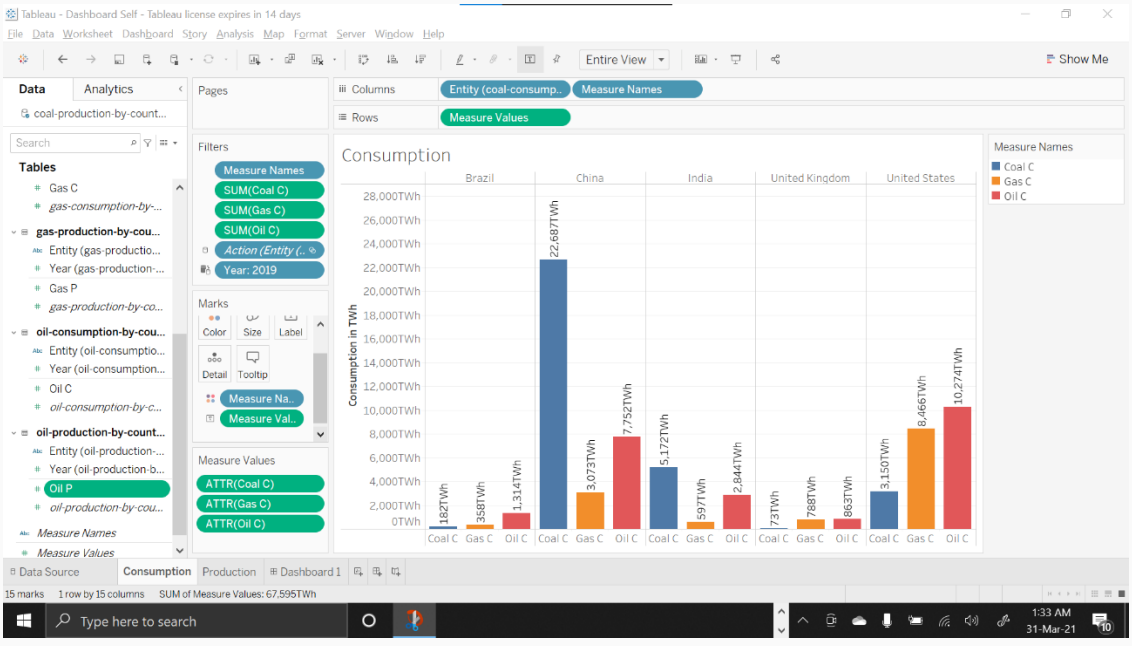
Across the world we see that the largest consumers use more than ten times the amount of fossil energy than some of the smallest consumers. From the heat map chart we can get a glimpse of it.

4. **Production vs Consumption:**

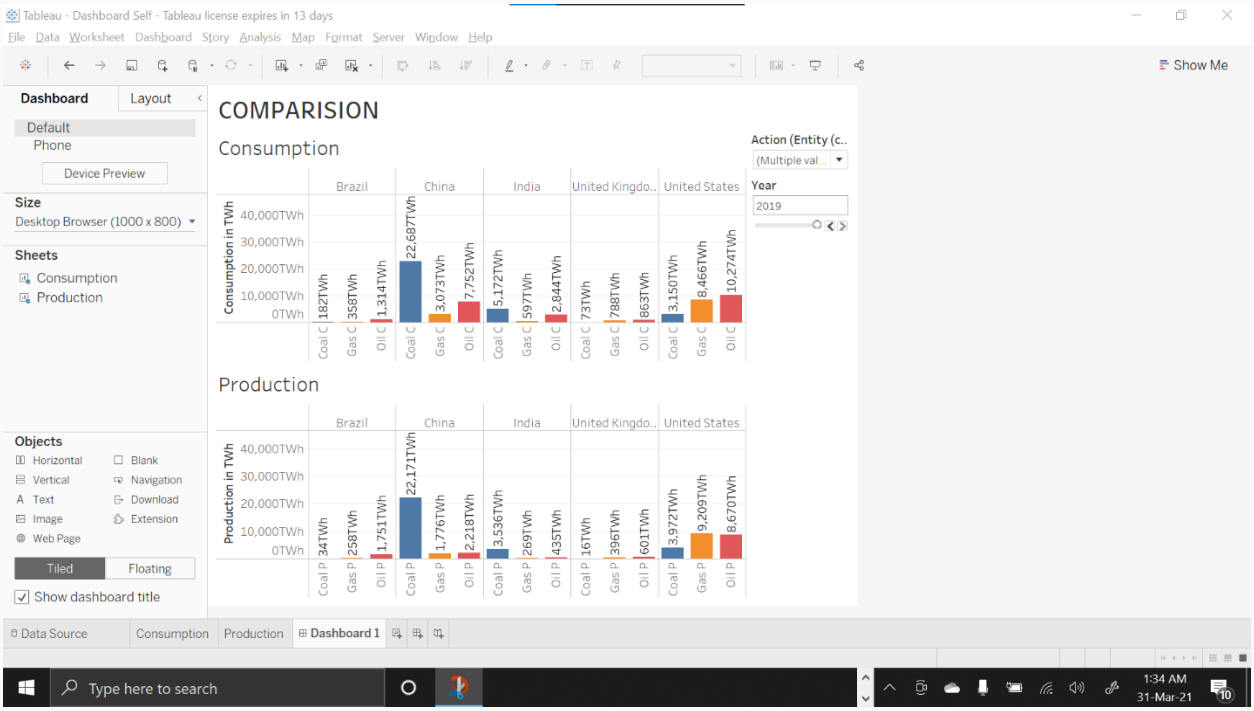
Production-



Consumption-



Dashboard for easy comparison of different countries and their production and consumption capacity.



Consumption-

Here for the final chart, I have created a bar chart which tells us about the consumption and production of different fossil fuels with respect to the countries. As you can see here, for the year 2019, China was the leading coal producers in the world and has consumed the more of the coal it produced so that means either they have the coal imported from somewhere or there is some data inconsistency.

Here in the dashboard one can set the year and the countries for which they want to see the data. I will attach the dashboard file with this pdf. I have merged 6 different datasets to get the desired chart.