

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

5/17/2023

Applied data science

Assignment - 1

Several thin, curved lines in dark blue and light grey originate from the bottom left corner and sweep upwards and to the right.

NAME:

Name: Ramiseti Anurag

Student ID: 22030246

Link to the Repo:

Visualization 1: Foreign direct investment, net inflows (% of GDP) Of 8 Countries

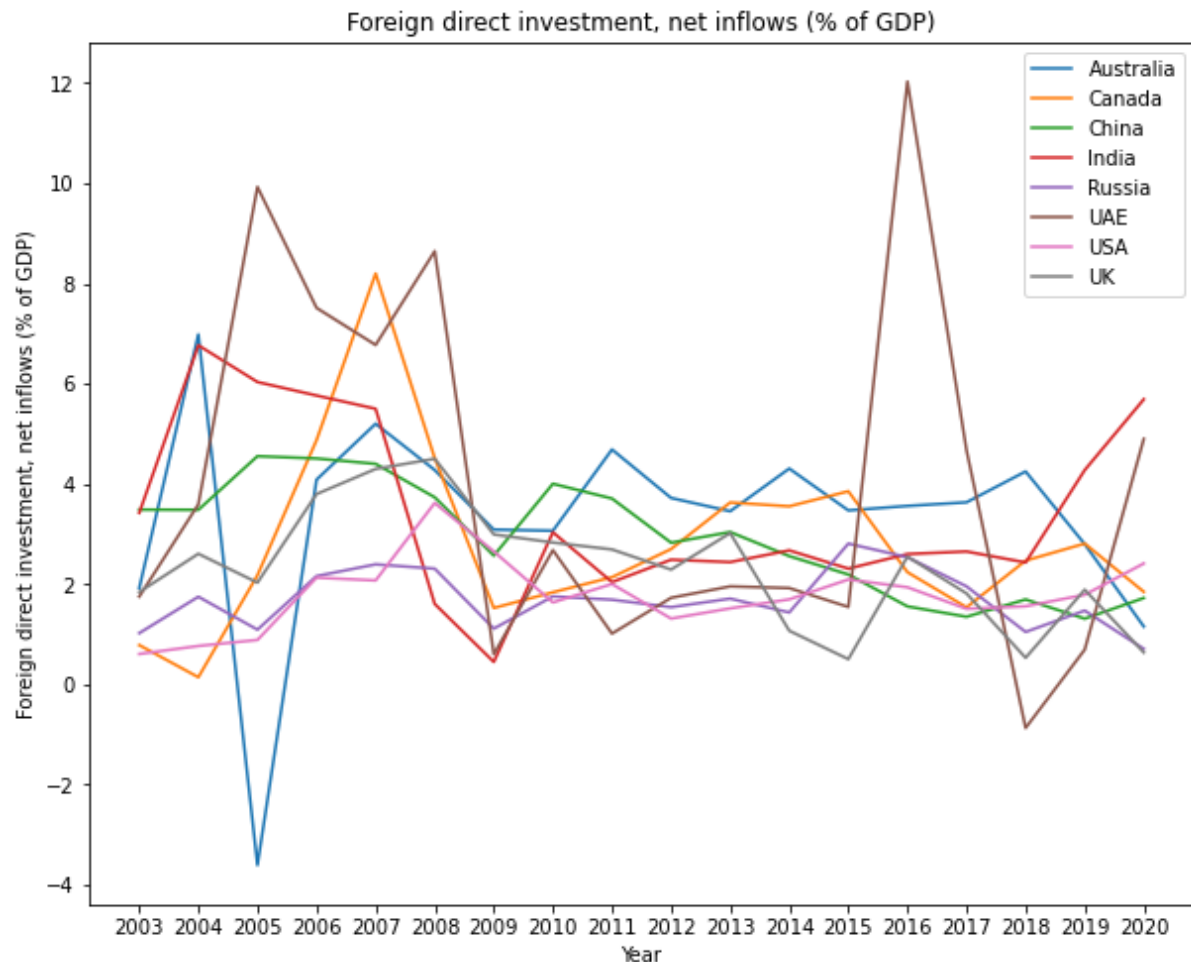


Fig 1: A Line Plot for Foreign direct investment, net inflows (% of GDP)

A line plot is the one the finest way to show the data of time series. The graph above shows the Foreign direct investment, net inflows (% of GDP) of 8 different countries.

From the above graph we can deduce that the foreign investment of UAE has increased rapidly in 2016 when compared to 2015. The foreign investment of all the remaining countries remains almost the same in the year 2020 when compared to 2003. There's only a small variations. But, we can observe a lot of changes in foreign investment of all the countries in the time period of 2004 to 2018.

visualization 2:

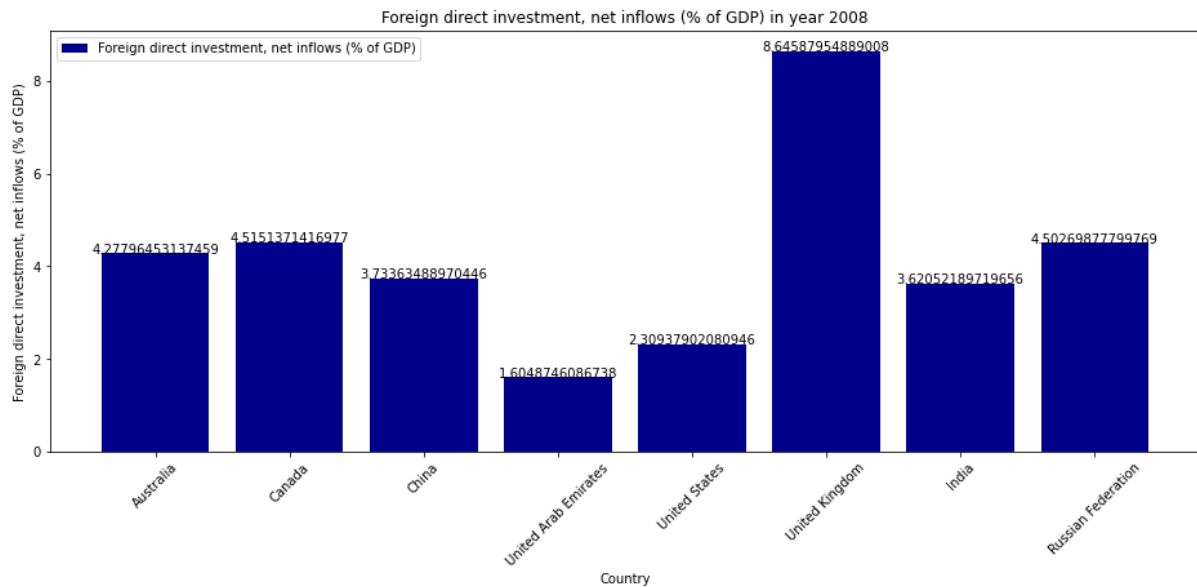


Fig 2: A Bar Chart for Foreign direct investment, net inflows (% of GDP) For the Year 2008

One of the best and easiest way to represent data that is independent of each other is a bar chart.

From the above Fig 2 we can say that the country with the highest Foreign direct investment in the year 2008 is United Kingdom 8.645 % of it's GDP and the second highest is Canada. The country with the lowest foreign direct investment is UAE. And both the Russia and the Canada have almost the same investment, Canada being slightly more than the Russia.

Visualization 3: Foreign direct investment, net inflows (% of GDP) Of 8 Countries in The Year 2001 And 2014

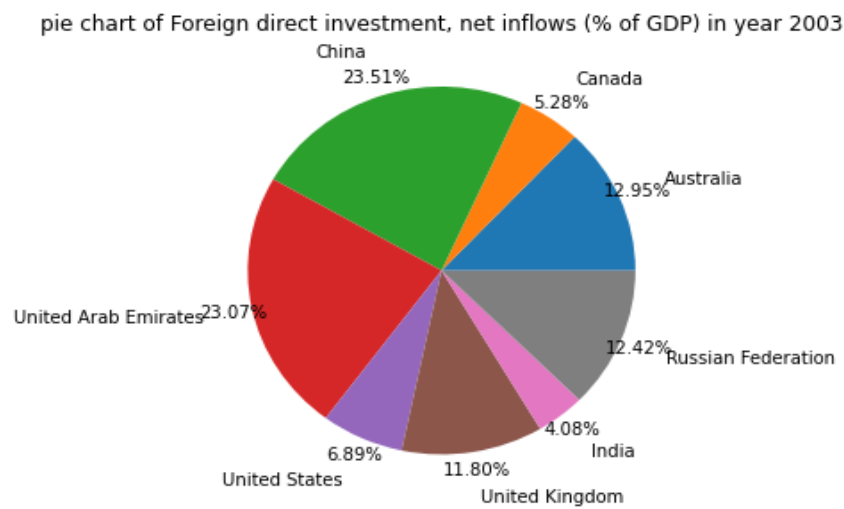


Fig 3.1: A Pie Chart for Foreign direct investment, net inflows (% of GDP) For the Year 2003

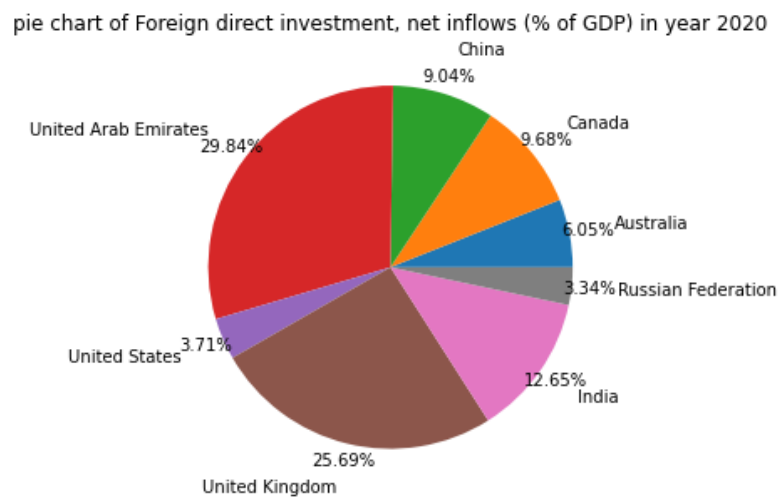


Fig 3.2: A Pie Chart for Foreign direct investment, net inflows (% of GDP) For the Year 2020

For the further visualization I have chosen a Pie chart because it is one of the best ways to compare relative foreign investment. The above figs 3.1 & 3.2 show the power consumption of 8 countries in the years 2003 and 2020 respectively.

We can observe foreign investment of China is very less in 2020 when compared to 2003 and the foreign investment of UK is increased in 2020 when compared to 2003. There is change in foreign investment of all the countries in 2020 when compared to 2003.