Code Documentation

The data to be used for the assignment was available on the link *‘https://raw.githubusercontent.com/resbaz/r-novice-gapminder-files/master/data/gapminder-FiveYearData.csv’*.

The first step is to import libraries like pandas, numpy, matplotlib and seaborn. After doing this, I fed the data into a data frame called df using the read\_csv function of pandas. On inspecting the data frame, I realized that the lifeExp column had values in float so I changed them to int using the astype function.

Now the task was to create a pivot table using the year, country and lifeExp columns of our data frame. I created the table having country as rows, year as columns and lifeExp as the value in the cells using the pivot function. The pivot table was stored in a data frame named df\_piv.

Finally, I was supposed to create a heat map of the data in my pivot table. I did so by using the seaborn library along with the matplotlib library. I created the heat map using the heatmap function of seaborn. I set the figure size of the map to 7 by 7 using the figsize attribute. I named the Map “Heatmap for lifeExp value of year vs country” using the title function of matplotlib. I also gave the X and Y axis names using the xlabel and ylabel functions respectively.

This is the entire documentation for generating the heat map that I generated.