**Seaborn Project - Code Documentation**

I’ll go through my code and explain each line.I

First, import the relevant packages:

import pandas as pd

import seaborn as sns

Next, we’ll create a Pandas data frame from the .csv file, and verify that we’ve correctly imported it with the head function:

df = pd.read\_csv("gapminder-FiveYearData.csv")

print(df.head())

We’ll create a Pandas pivot table with the ‘years’ along the x-axis, the ‘continent’ along the y-axis, and ‘lifeExp’ in the cells:

heatmap\_data = pd.pivot\_table(df, values='lifeExp', index=['continent'], columns='year')

We’ll create a Seaborn heatmap from the pivot table:

heatmap = sns.heatmap(heatmap\_data, cmap="YlGnBu")

Lastly, we’ll export the heatmap into a file called ‘output.png’

figure = heatmap.get\_figure()

figure.savefig('output.png', dpi=400)