**HASHANALYTICS DATA ANALYSIS INTERNSHIP-Charity Wanjiru**

**ASSIGNMENT 2**

**HEATMAPS WITH SEABORN**

Installations needed

* pandas
* seaborn
* matplotlib

The first step after installing the needed packages, Create new project and inside the project create new file where all the code goes. Then import the packages you will need. For exampleimport pandas as pd

To get started you need to import all the packages like so

`import pandas as pd`

import matplotlib.pyplot as plt

import seaborn as sb

Read read your csv file

`life\_expectancy\_df=pd.read\_csv("C:/Users/Admin/Documents/HashAnalyticsProjects/gapminder-FiveYearData.csv")`

make your data into pivot table with the specific columns

life\_expectancy\_df\_pivot=pd.pivot\_table(life\_expectancy\_df, 'lifeExp','continent', 'year')

Using Seaborn plot a heatmap

life\_expectancy\_plot=sb.heatmap(life\_expectancy\_df\_pivot)

using matplotlib I defined the heatmap title

plt.title('Life expectancy across continents(1952-2007)')

saving the png image

figure =life\_expectancy\_plot.get\_figure()

figure.savefig('seaborn\_heatmap.png')