**Data Visualization: gapminder-FiveYearData**

The dataset has 5 columns namely: **country, year, pop, continent, lifeExp** and **gdpPercap:**

**Objectives:**

**importing libraries**

**reading the data**

**create a pivot table**

**create a heatmap**

**Documentation:**

1. **Importing libraries**

As we approach visualization, we need to import libraries necessary for the same. It includes:

Pandas – to read and analyze dataFrames

Numpy – for mathematical computation in python

Seaborn and Matplotlib for visualization

1. **Reading the data**

After importing data, you then to read the data using: pd.read\_csv(data)

Panda will use the read\_csv function to read the data.

1. **Create a pivot table**

To create the pivot table you use: pd.pivot\_table()

For the values:

**year** along x-axes – using index

**continent** along y-axes - columns

**lifeExp** filled within cells – use values

1. **Create a heatmap**

For the heatmap, I created a correlation heatmap.

First, you define using corr, create a cmap, and define the axis.

Then, lastly save the figure using savefig()