Exercise 2.2: Line and Step Charts

Scott Breitbach

DSC640 - 12/27/2021

Plots Using **Python**

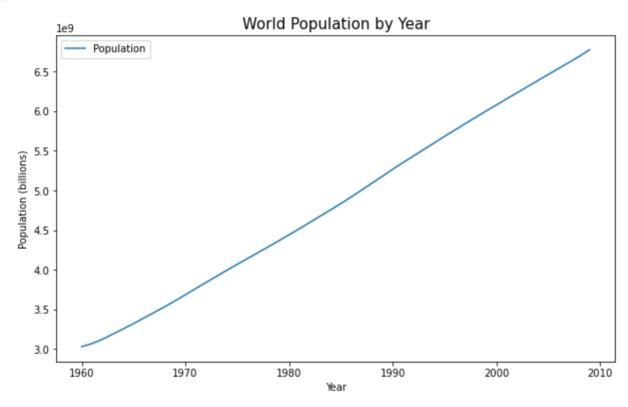
Load Data

```
In [1]:  # Load libraries
   import pandas as pd
   import matplotlib.pyplot as plt
   import seaborn as sns

In [2]:  # Load data
   popDF = pd.read_excel('world-population.xlsm')
```

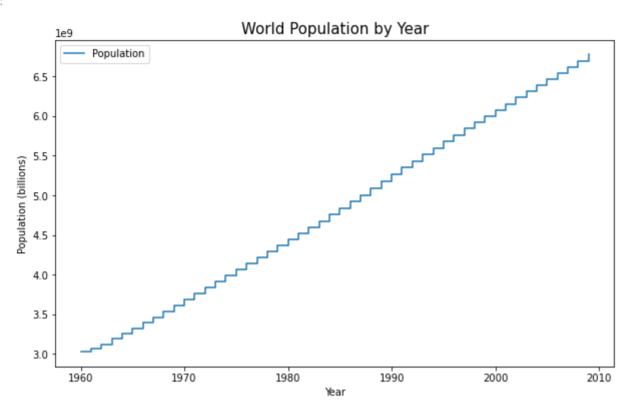
Line Chart

Out[4]: Text(0.5, 1.0, 'World Population by Year')



Step Chart

Out[11]: Text(0.5, 1.0, 'World Population by Year')



In []:

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Plots Using R

```
knitr::opts_chunk$set(echo = TRUE)

# Set Working Directory
setwd("C:/Users/micha/OneDrive/Documents/GitHub/DSC640/Weeks3-4/")

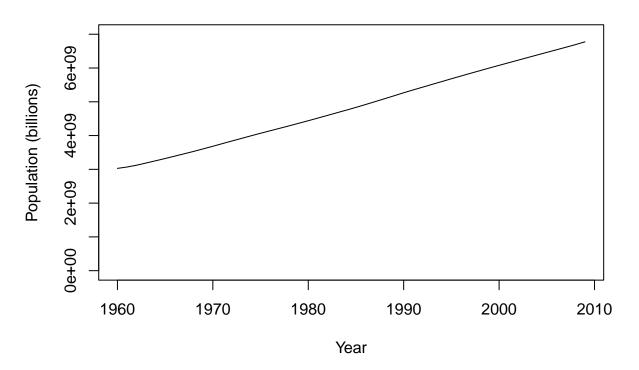
# Load libraries
library('readxl')
```

Load Data

```
# Load Data
popDF <- read_excel("world-population.xlsm")</pre>
```

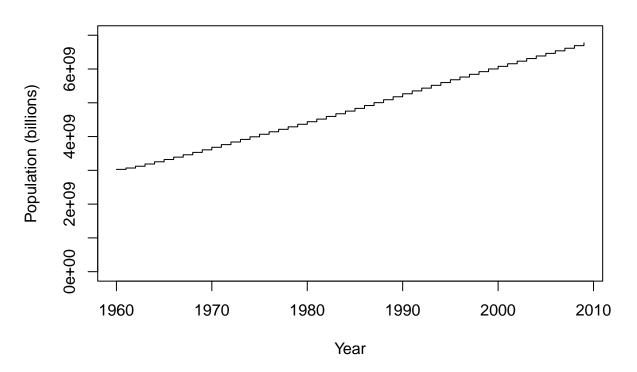
Line Chart

World Population by Year



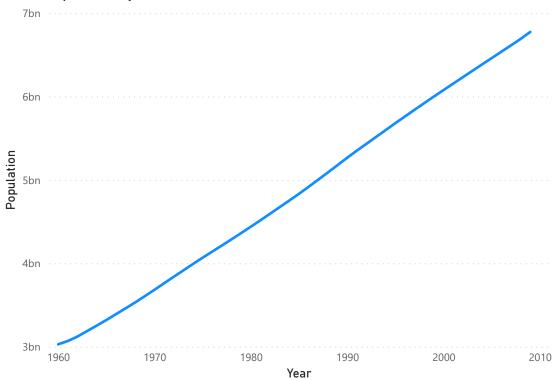
Step Chart

World Population by Year



Power BI - Line Chart

World Population by Year



Power BI - Step Chart

World Population by Year

