# -\*- coding: utf-8 -\*-

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**#------------------------------------Pie\_Plot--------------------------------------------#**

# Import Libraries/Packages such as numpy, pandas and pyplot

import numpy as np

import pandas as pd

import matplotlib.pyplot as plt

# Load the Dataset in to Pandas

dataset = pd.read\_csv("c:/Users/vamsi/Downloads/dataline.csv")

# Renaming required variables names and extract the data

Deaths = dataset['FactValueNumeric']

Deaths1 = dataset['FactValueNumeric1']

Deaths2 = dataset['FactValueNumeric2']

Country = dataset['Location']

# Create Pie Chart (Covid-19 Deaths) with Labelling & Title

plt.pie(Deaths, labels=Country, autopct='%1.2f%%')

# Title

plt.title('Covid-19 death rates in Top Economy countries during 2020')

# Show Plot

plt.show()

# Create Pie Chart (HIV Deaths) with Labelling & Title

plt.pie(Deaths1, labels=Country, autopct='%1.2f%%')

# Add a title to the Plot

plt.title('HIV death rates in Top Economy countries during 2020')

# Show the Plot

plt.show()

# Create Pie Chart (Flu Deaths) with Labelling & Title

plt.pie(Deaths2, labels=Country, autopct='%1.2f%%')

# Add a title to the Plot

plt.title('Flu death rates in Top Economy countries during 2020')

# Show the Plot

plt.show()

**#-------------------------------------------Bar\_Plot--------------------------------------#**

# Load the Dataset in to Pandas

dataset = pd.read\_csv("c:/Users/vamsi/Downloads/dataline.csv")

# Renaming the required variables names and extract the data

Deaths = dataset['FactValueNumeric']

Deaths1 = dataset['FactValueNumeric1']

Deaths2 = dataset['FactValueNumeric2']

Country = dataset['Location']

# Create a Bar Chart

plt.bar(Country, Deaths2, label="Flu Deaths")

plt.bar(Country, Deaths1, bottom=Deaths2, label='HIV Deaths')

plt.bar(Country, Deaths, bottom=Deaths1, label='Covid-19 Deaths')

# Labelling

plt.xlabel('Top Economic Countries')

plt.ylabel('Flu Deaths (Millions)')

# Title

plt.title('Comparision of Covid-19, HIV and Flu deaths among Top Economy countries during 2020')

# Legend

plt.legend()

# Show the Plot

plt.show()

**#--------------------------------------Line\_Plot------------------------------------------#**

# Load the Dataset in to Pandas

dataset = pd.read\_csv("c:/Users/vamsi/Downloads/dataline.csv")

# Renaming the required variables names and extract the data

Deaths = dataset["FactValueNumeric"]

Deaths1 = dataset['FactValueNumeric1']

Deaths2 = dataset['FactValueNumeric2']

Countries = dataset["Location"]

# Create a Line Plot

plt.plot(Countries, Deaths, label='Covid-19 Deaths')

plt.plot(Countries, Deaths1, label='HIV deaths')

plt.plot(Countries, Deaths2, label='Flu Deaths')

# Labelling

plt.xlabel('Countries')

plt.ylabel('Deaths(Millions)')

# Title

plt.title( " Tracking of Covid-19, HIV, Flu Deaths in Top economic countries during 2020")

# Legend

plt.legend()

# Show the Plot

plt.show()