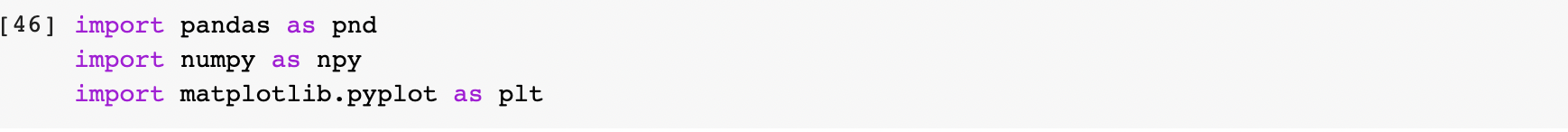
**ASSIGNMENT – 2**

**-Muralikrishna Maanukonda**

#importing the pandas, numpy and matplot libraries



#loading the data



#printing the data

Table

Description automatically generated

#setting the seed

A picture containing graphical user interface

Description automatically generated

#now taking the random samples of 25 observations and printing the samples, after that we are calculating the mean and max glucose of given samples

A picture containing timeline

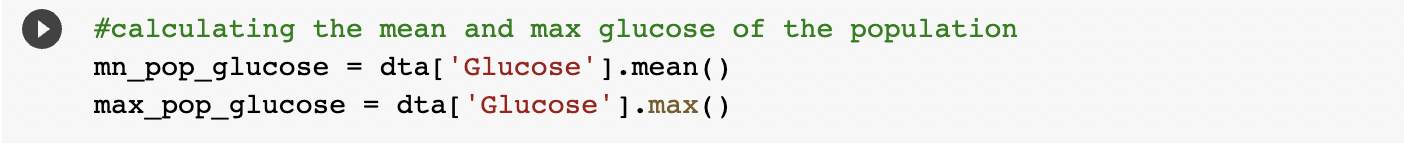
Description automatically generated

#the printed samples

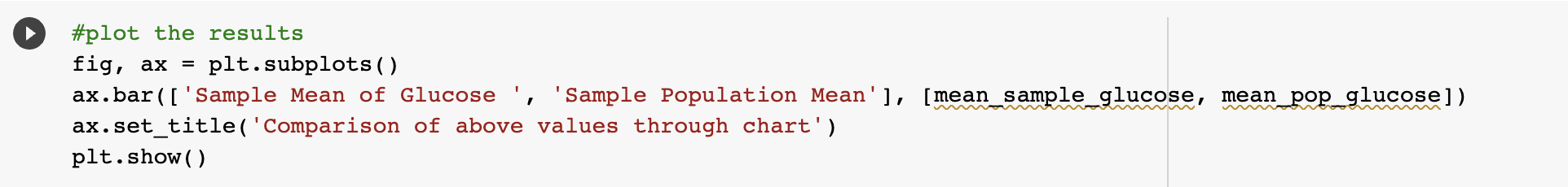
Table

Description automatically generated

#then calculating the mean and max glucose of the population

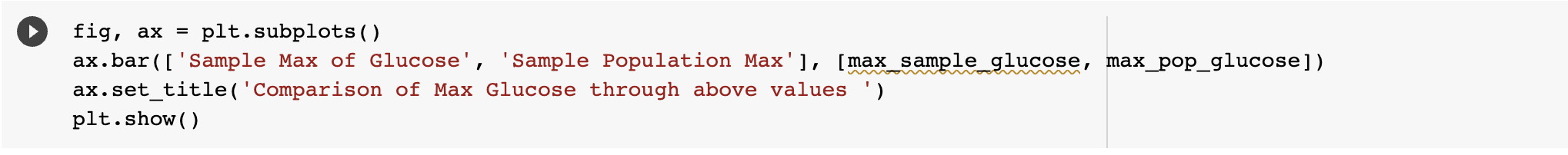


#plotting the results on the chart and comparing both



Chart, bar chart

Description automatically generated



Chart, bar chart

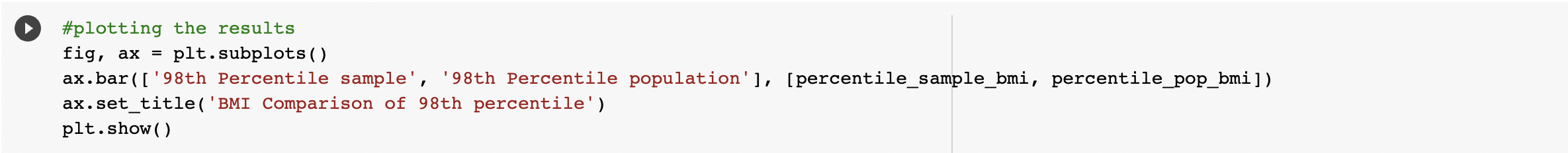
Description automatically generated

#calculating the 98th percentile of BMI for sample and population

Text

Description automatically generated with medium confidence

#plotting the results



Chart, bar chart

Description automatically generated

#Now using bootstrap (replace= True), creating 500 samples (of 150 observation each) from the  
population and finding the average mean, standard deviation and percentile for BloodPressure and comparing this with these statistics from the population for the same variable. And also creating the charts for comparision

Graphical user interface, text, application

Description automatically generated

Chart, histogram

Description automatically generated

Github link : <https://github.com/mm5hdmk/diabetes.git>