Assignment-2

1. set a seed (to ensure work reproducibility) and take a random sample of 25 observations and  
   find the mean Glucose and highest Glucose values of this sample and compare these statistics  
   with the population statistics of the same variable. You should use charts for this comparison.

Graphical user interface, text, application

Description automatically generated

Table

Description automatically generated with medium confidence

Graphical user interface

Description automatically generated with medium confidence

Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

Chart, box and whisker chart

Description automatically generated

1. Find the 98th percentile of BMI of your sample and the population and compare the results  
   using charts.

Graphical user interface, text, application, email

Description automatically generated

Chart, histogram

Description automatically generated

c) Using bootstrap (replace= True), create 500 samples (of 150 observation each) from the  
population and find the average mean, standard deviation and percentile for BloodPressure and  
compare this with these statistics from the population for the same variable. Again, you should  
create charts for this comparison.



Text

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Chart, histogram

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