**ASSIGNMENT PDS**

Question 1

A screenshot of a computer

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A graph of a comparison of glucose

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Hear I plotted the graph for the comparison between mean and highest value for the population and sample sets as I mentioned above graph pink represents sample and blue represents population

**Question 2**

**A screenshot of a computer program

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**A screenshot of a computer screen

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here this graph is comparison between 98th percentaile bmi between population and sample so here I plotted graph pink as population and blue as sample data

**question 3**

**A screenshot of a computer program

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**A screenshot of a computer program

Description automatically generated**

**A screenshot of a graph

Description automatically generated**

To do bootstrap sampling and determine statistics for a given variable, we develop the bootstrap\_statistics function.

The sample means, standard deviations, and percentiles for 'BloodPressure' are obtained using this function.

We compute the 'BloodPressure' population statistics.

To compare the population and average sample data visually, we make a bar chart