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2)

A)

A screenshot of a graph

Description automatically generated

B)

A screenshot of a computer screen

Description automatically generated

C)

A group of graphs showing different sizes of data

Description automatically generated with medium confidence

**Report on findings:**

After running this code, I got three histograms comparing the distribution of means, standard deviations, and percentiles (median) of BloodPressure between the 500 bootstrap samples and the population.

Findings:

1. The distribution of means from bootstrap samples closely resembles the population mean.
2. Standard deviations from bootstrap samples also align with the population standard deviation.
3. The distribution of percentiles (median) from bootstrap samples is consistent with the population median.
4. Bootstrap resampling provides a reliable estimation of statistics, indicating the robustness of the sample statistics in reflecting the population characteristics.