**Report on your findings:**

Data Cleaning: Prior to analysis, the dataset underwent cleaning, with zero values in certain columns replaced with NaN to ensure data accuracy.

**Bootstrap Analysis Approach:**

- Number of Bootstrap Samples: 500

- Sample Size: 150 observations per sample

- Variable of Interest: BloodPressure

**Results**:

Average Mean:

- Population Mean: 72.40518417462484

- Bootstrap Sample Mean: 72.40630533333333

Standard Deviation:

- Population Standard Deviation: 12.38215888359406

- Bootstrap Sample Standard Deviation: 12.357104898946356

95th Percentile:

- Population 95th Percentile: 110.0

- Bootstrap Sample 95th Percentile: 110.0

**Comparison and Observations:**

95th Percentile Comparison:

- Population: 110.0

- Bootstrap Sample: 110.0

- Mean Comparison:

- Population: ~72.41

- Bootstrap Sample: ~72.41

- Standard Deviation Comparison:

- Population: ~12.38

- Bootstrap Sample: ~12.36

Conclusion:  
The analysis indicates a strong alignment between population and bootstrap sample statistics for BloodPressure. Bootstrap samples effectively capture population variability with minimal discrepancies observed in the 95th percentile, mean, and standard deviation.