The bootstrap sampling analysis conducted on blood pressure data from 500 samples (each with 150 observations) yielded the following insights:

1. Mean Blood Pressure:

- The distribution of sample means showed variability around the population mean, indicating potential fluctuations in average blood pressure across samples.

2. Standard Deviation of Blood Pressure:

- Bootstrap samples exhibited variability in standard deviation, reflecting the uncertainty in estimating blood pressure variability from samples.

3. Percentile of Blood Pressure:

- The distribution of sample percentiles demonstrated variability in the middle range of blood pressure values, highlighting the uncertainty in estimating central tendencies from samples.

In summary, bootstrap sampling revealed the inherent variability in estimating blood pressure statistics from samples, emphasizing the importance of accounting for uncertainty in population parameter estimation.