PDS\_Assignment 3 and 4

2. a

From the plot between we can observe that the population mean is higher than sample mean of the Glucose. Also, the population highest is higher that sample highest of the glucose.

2. b

From the plot of 98th BMI\_Percentile of sample and population we can observe that population 98th BMI percentile is higher than the sample 98th BMI\_Percentile

2. c

From the graph Bootstrap Mean and population Mean the height of both bootstrap, population bars look almost similar.

From graph Bootstrap standard deviation and population standard deviation has slight difference in the height

From the graph Bootstrap percentile and population percentile we can observe that the population percentile is higher that bootstrap percentile