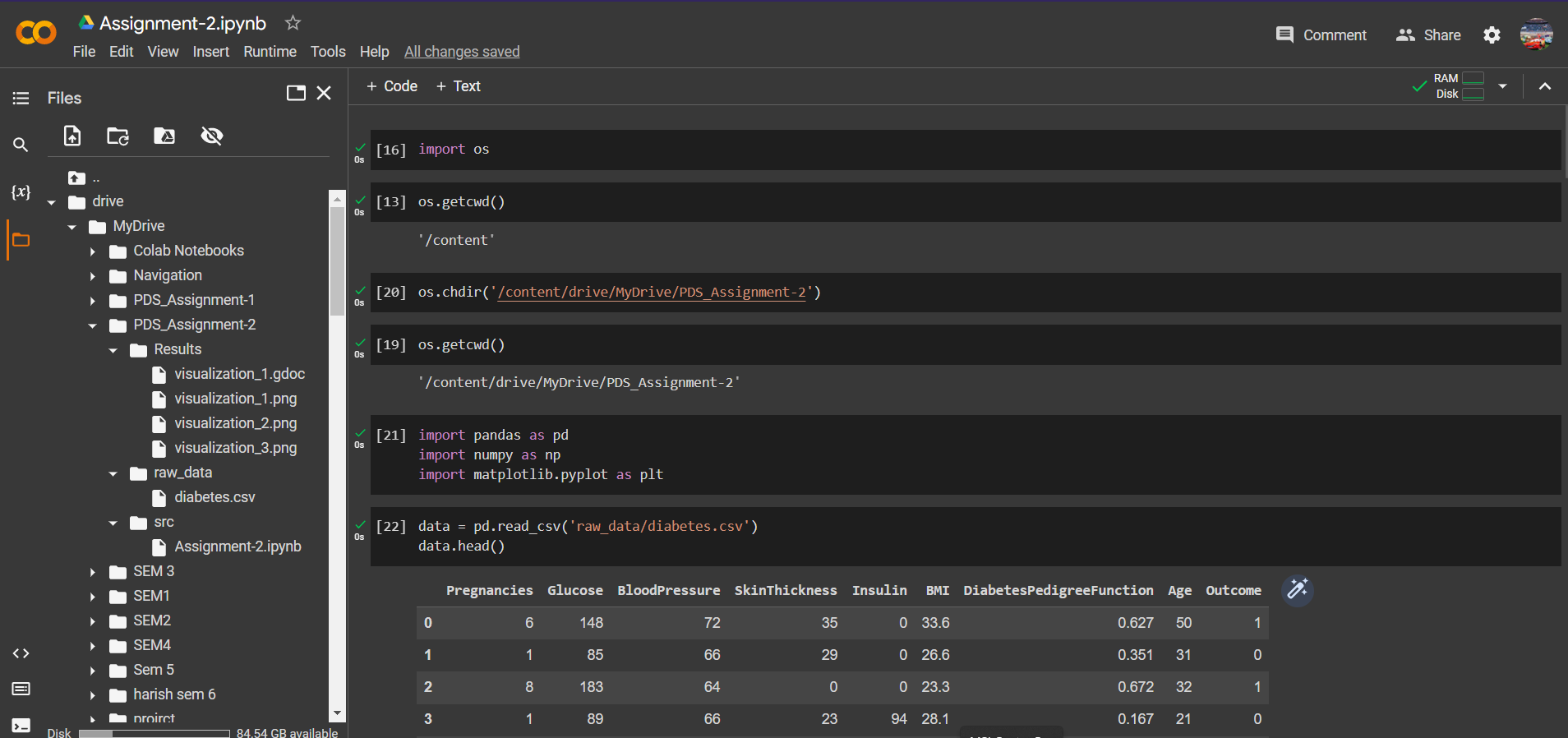
Assignment-2

1. set a seed and take a random sample of 25 observations and find the mean Glucose and highest Glucose values of this sample and compare these statistics with the population statistics of the same variable.



Graphical user interface

Description automatically generated

A picture containing text

Description automatically generated

Chart, box and whisker chart

Description automatically generated

1. Find the 98th percentile of BMI of your sample and the population and compare the results using charts.

Text

Description automatically generated

Chart, histogram

Description automatically generated

1. Using bootstrap (replace= True), create 500 samples (of 150 observation each) from the  
   population and find the average mean, standard deviation and percentile for Blood Pressure and compare this with these statistics from the population for the same variable. Again, you should create charts for this comparison.

Text

Description automatically generated

Text

Description automatically generated

Chart, histogram

Description automatically generated

Chart, bar chart, histogram

Description automatically generated