Question 8

1. I read in the data using the read.csv() function:
   1. 
2. After using the book’s code to get the row names, here is the fixed data:
   1. A screenshot of a computer

      Description automatically generated
3. Here is the numerical summary of the data using the summary() function:
   * 1. A screenshot of a computer screen

        Description automatically generated
     2. Result from pairs() function: A screenshot of a graph

        Description automatically generated
     3. Result from Boxplot of Outstate / Private: A graph with a line and a line

        Description automatically generated with medium confidence
     4. A computer screen shot of a computer program

        Description automatically generated
        1. The No / Yes printed in the console dialog is the number of Colleges identified as Elite
     5. Here are a few of the histograms I created from the data: A graph of a number of college students

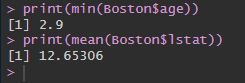
        Description automatically generated with medium confidence

Question 10

1. There are 506 rows and 14 columns, the rows are different suburbs in Boston and the columns all represent attributes about those suburbs
2. Here are the Summaries of the requested columns: A computer screen with white text

   Description automatically generated
   * 1. The crime rates have a huge range, spanning .006 to 88.98. The highest suburbs are 381, 419, and 406.
     2. Tax rates have a fairly large range as well, from 187 to 711. The distributions for both tax and P.T.Ratio are fairly evenly spread.
     3. P.T.Ratio does not have a very large range, only 12.6 to 22
3. According to the data, there are 35 suburbs by the river: A black background with white text

   Description automatically generated
4. The median pupil-teacher ratio is 19.05: A black screen with white text

   Description automatically generated
5. Suburb #42 has the lowest median value of owner-occupied homes. It has a fairly low lstat at 4.84 compared to the average of 12.65: 
6. * 1. There are 64 suburbs that have more than 7 rooms per dwelling: 
     2. There are 13 suburbs that have more than 8 rooms per dwelling: 
     3. A screenshot of a computer

        Description automatically generated
        1. They all roughly have an average ptratio, and the ages are all very high, except for suburb 254