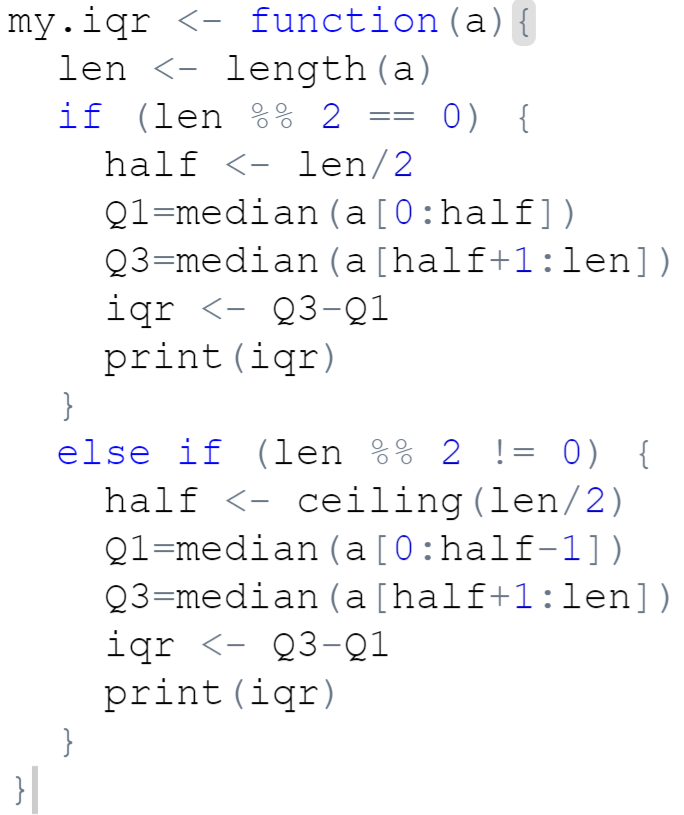
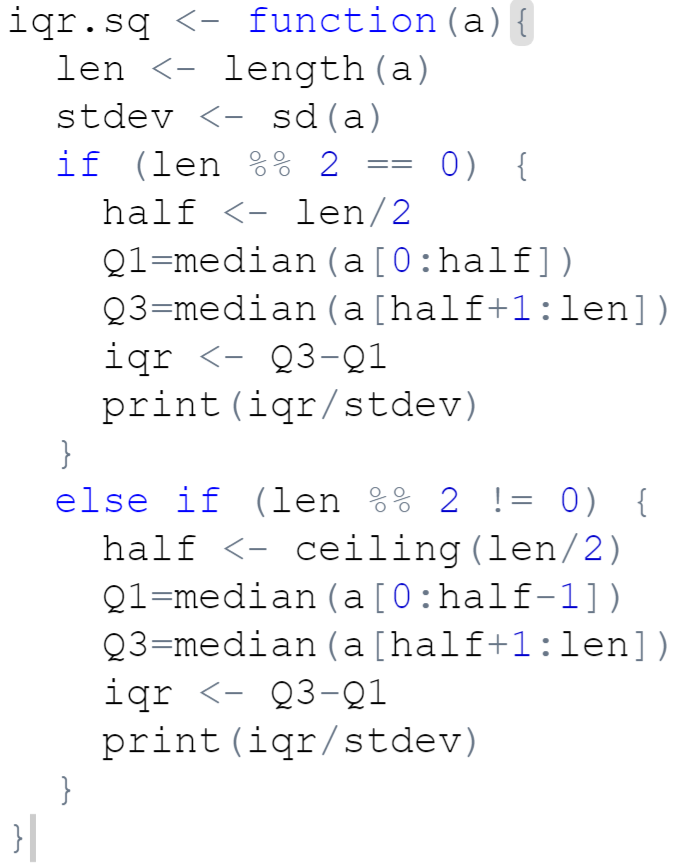
Aman Patel

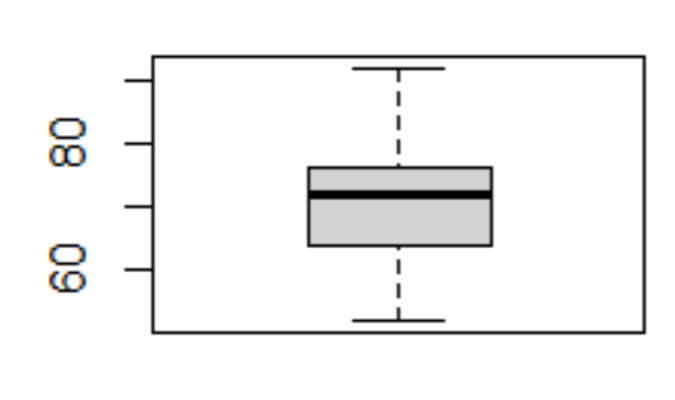
STAT-S 350

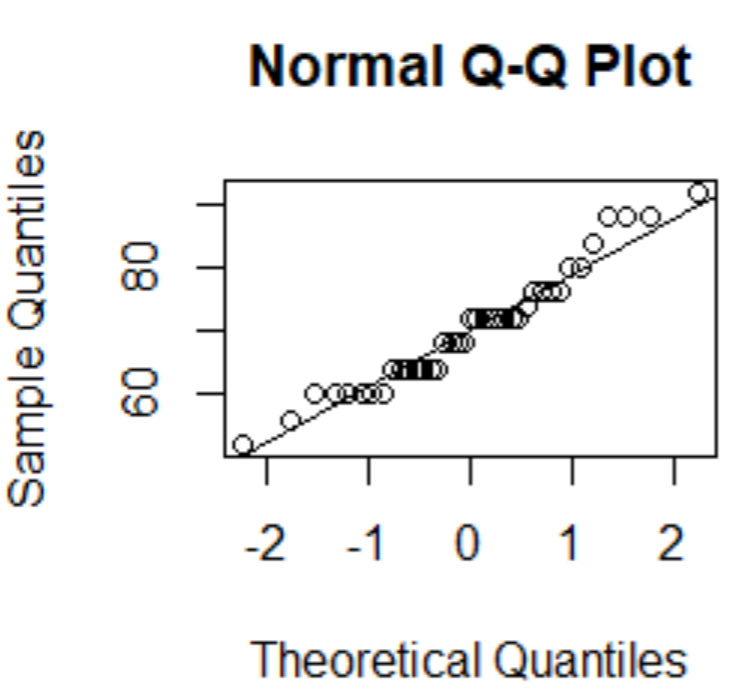
October 14, 2020

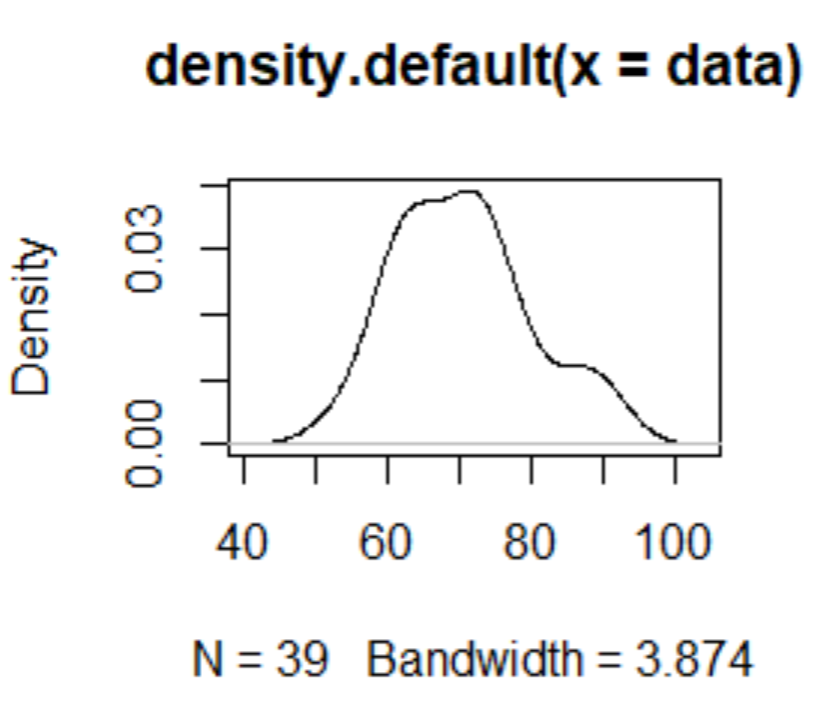
Problem Set 4

1. Find expected value, median, IQR,
   * 1. Expected value
     2. Median
     3. IQR
     4. Expected value
     5. Median
     6. IQR
   1. Find
   2. Find
2. Create functions in R
   1. 

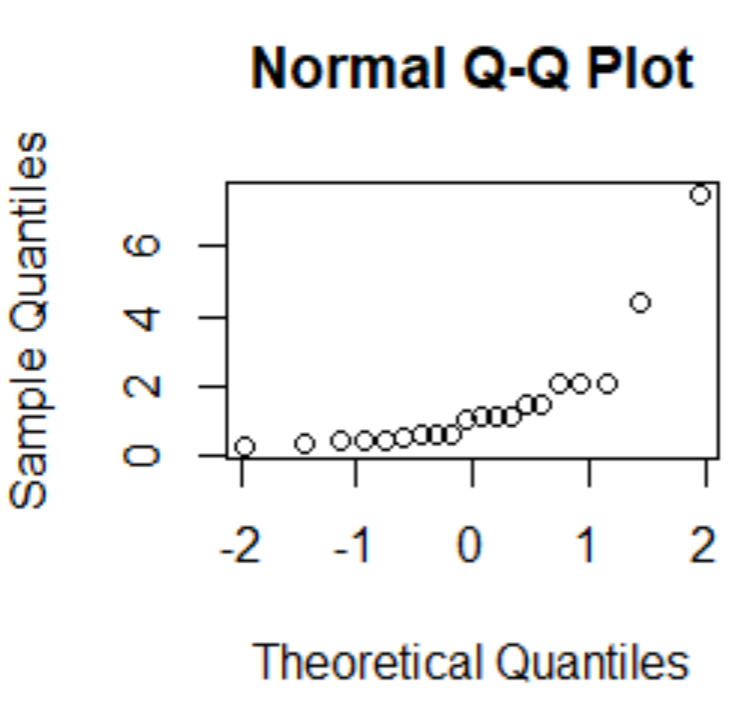


1. Peruvian Indian pulse rates
   1. Plug-in mean and variance
      1. Mean:
      2. Variance:
   2. Plug-in median and IQR
      1. Median:
      2. IQR:
   3. Boxplot

* 1. Normal probability plot
  2. Kernel density plot



* 1. Yes, the data follows the qqline accurately and the kernel density graph resembles a normal distribution

1. Trosset 7.7.4
   1. Plug-in estimates
      1. Mean:
      2. Variance:
      3. Median: 1.076
      4. IQR:
   2. not normal
   3. Normal probability plot, not normal because the plot does not resemble a straight, increasing line
   4. After logging the values, the normal probability plot resembles a straight line, y was drawn from a normal distribution