

Starting Salaries in thousands (\$)
65
61
55
52
50
49
47
47
46
35

Use the data set above to do the following.

1. Make a stemplot
2. Make a histogram
3. Calculate the mean
4. Calculate standard deviation
5. Find the 5-number summary
6. Make a boxplot

Assuming the data above is a sample of normally distributed data, answer the following.

1. Draw a normal curve and label the horizontal axis.
2. Calculate the Z-Score for salaries of \$40k, \$50k, \$60k and \$70k.
3. What starting salary is two standard deviations above the mean?
4. What starting salary is one standard deviation below the mean?
5. What proportion of starting salaries are less than \$50k?
6. What proportion of starting salaries are more than \$70k?
7. What proportion of starting salaries are between \$40k and \$70k?
8. What starting salary is higher than 90% of all starting salaries?