

***z*-scores**

4. Fifty-one respondents from the class survey reported an expected annual salary below \$150K. The mean and standard deviation of these values (in \$1K) was $\bar{x} = 68$ and $s = 13$. How many standard deviations above or below the mean are the following values?

(a) An expected starting salary of \$80K per year.

(b) An expected starting salary of \$60K per year.

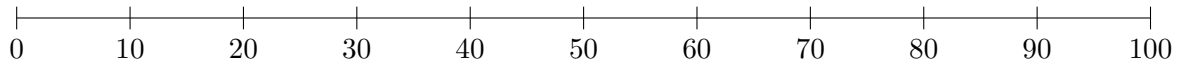
(c) An expected starting salary of \$250K per year.

5. In the previous problem, which of the values are unusual?

Boxplots

6. Here are the 35 reported expected starting salaries for the male survey respondents (in \$1K per year). Make a boxplot of the data.

50, 50, 50, 50, 60, 60, 60, 60, 60, 60, 60, 60, 60, 60, 60, 62.4, 65, 65, 65, 70, 70, 70, 75, 76, 80, 80, 80, 80, 80, 80, 80, 80, 85, 90, 90, 100, 250, 300



7. Here are the 18 reported expected starting salaries for the female survey respondents. Make a boxplot of the data.

40, 45, 54, 60, 60, 60, 60, 60, 65, 67, 70, 70, 70, 70, 80, 80, 85, 100

