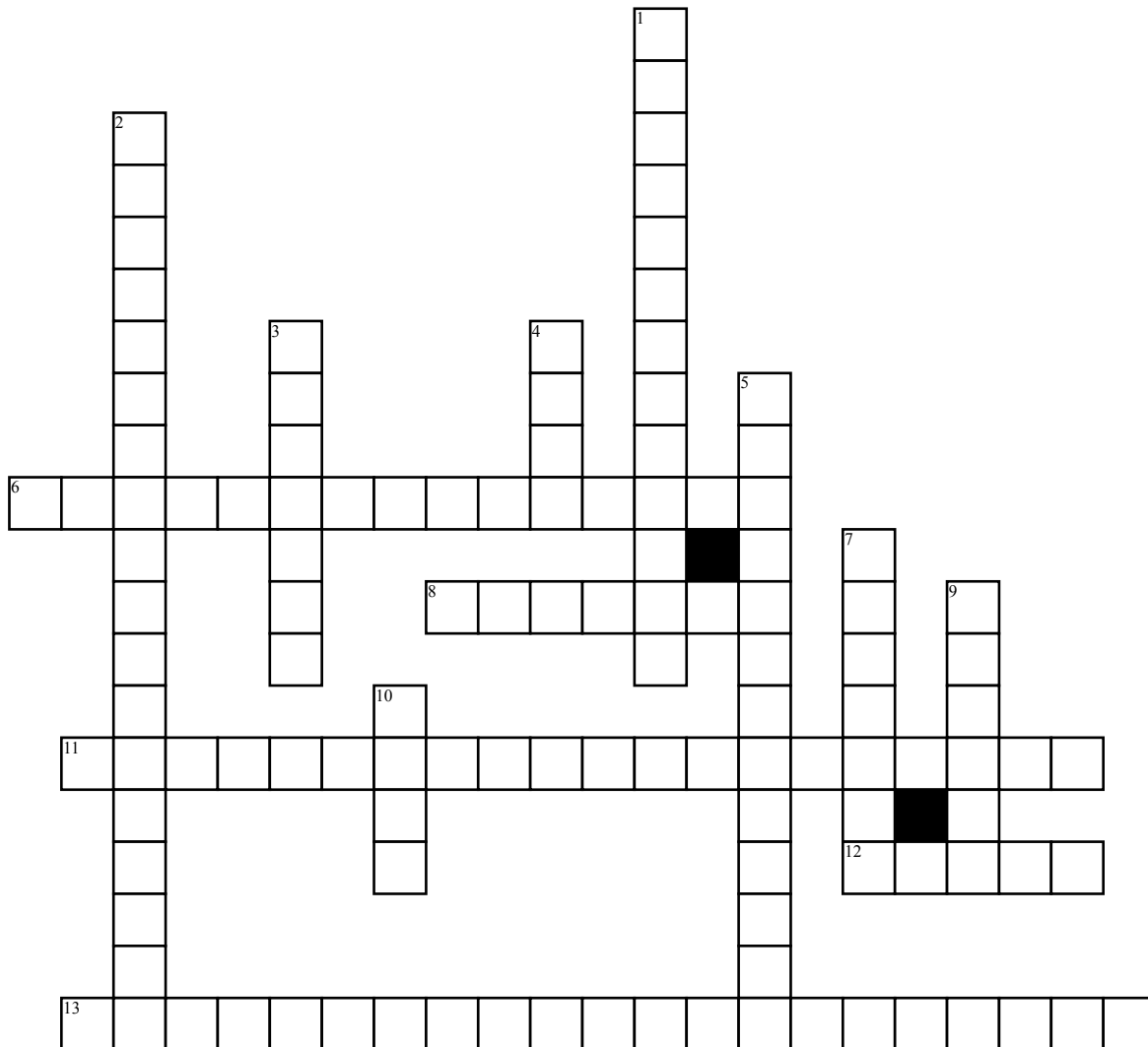# Module 15 & 16: Measures of Center & Variability and Data Distribution

Across

6. a measure used to describe the middle of a data set; also called measure of central tendency

8. a graph that shows how data are distributed by using the median, quartiles, least value, and greatest value; also called a box-and-whisper plot

11. a single value used to describe how the values in a data set are spread out

12. in statistics, the difference between the greatest and least values in a data set

13. the mean distance between each data value and the mean of the data set

Down

1. the median of the upper half of the data

2. the difference of the third (upper) and first (lower) quartiles in a data set, representing the middle half of the data

3. the sum of the items in a set of data divided by the number of items in the set; also called mean

4. the numbers that occur most frequently in a set of data; when all numbers occur with the same frequency, we say there is no mode.

5. the median of the lower half of the data

7. a value much greater or much less than the others in a data set

9. the middle number or the mean (average) of the two middle numbers in an ordered set of data

10. the sum of the items in a set of data divided by the number of items in the set, also called average