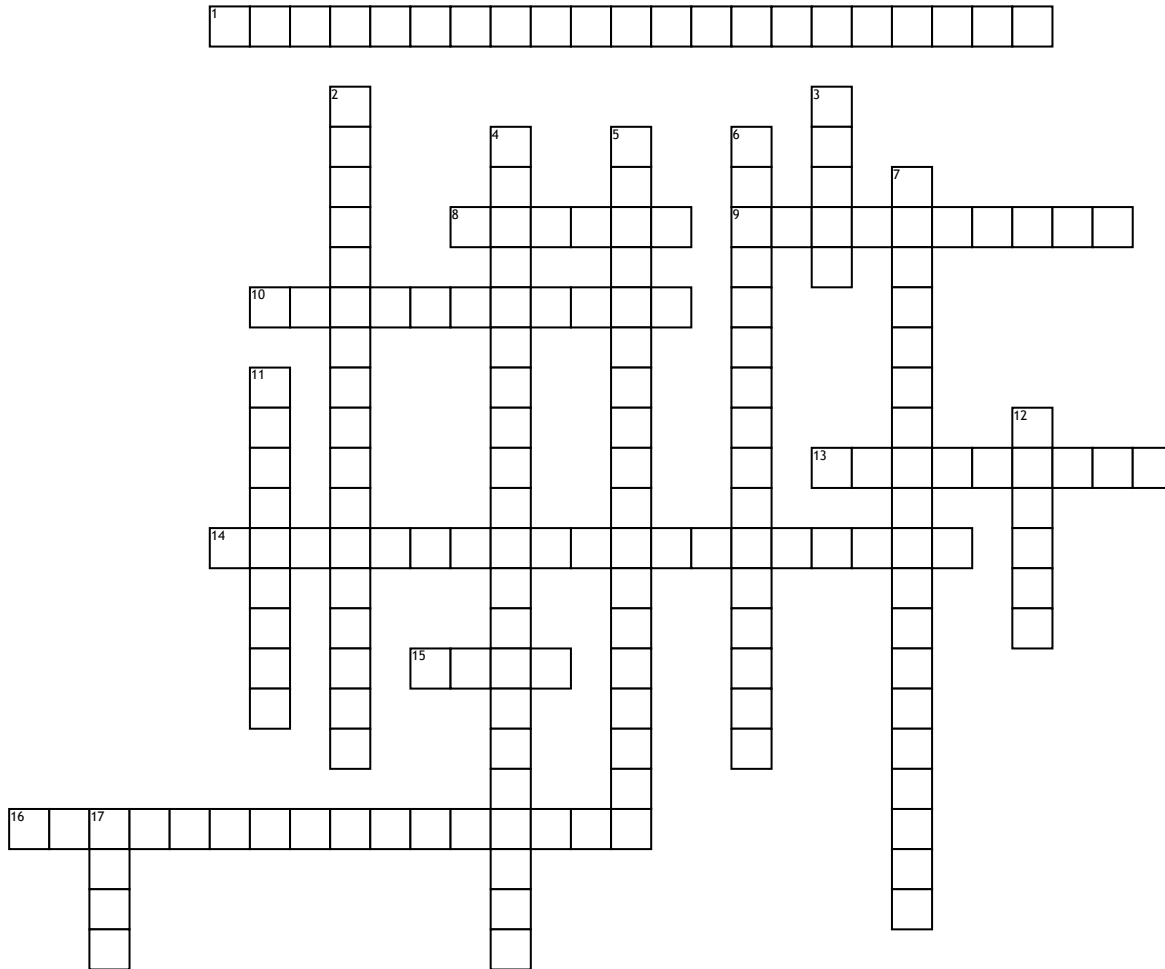# Statistics

Across

1. allows you to make predictions from that data.

8. indicates how many standard deviations an element is from the mean

9. determine the strength of the relationship between one dependent variable and a series of other changing variables

10. a graph that plots along two axes at right angles to each other the relationship between two variable quantities

13. the number of times the event occurred in an experiment or study

14. when one variable decreases as the other variable decreases, or one variable increases while the other increases.

15. calculated as an average.

16. a smaller group or number of people to represent the entire group.

Down

2. s a measure that is used to quantify the amount of variation or dispersion of a set of data values

3. the difference between the largest and smallest values

4. brief descriptive coefficients that summarize a given data set, which can be either a representation of the entire population or a sample of it

5. the probability distribution that plots all of its values in a symmetrical fashion, and most of the results are situated around the probability's mean

6. the entire group of individuals or objects to which researchers are interested in generalizing the conclusions.

7. a relationship between two variables in which one variable increases as the other decreases

11. a diagram consisting of rectangles whose area is proportional to the frequency of a variable and whose width is equal to the class interval.

12. the middle value

17. highest number of occurrences