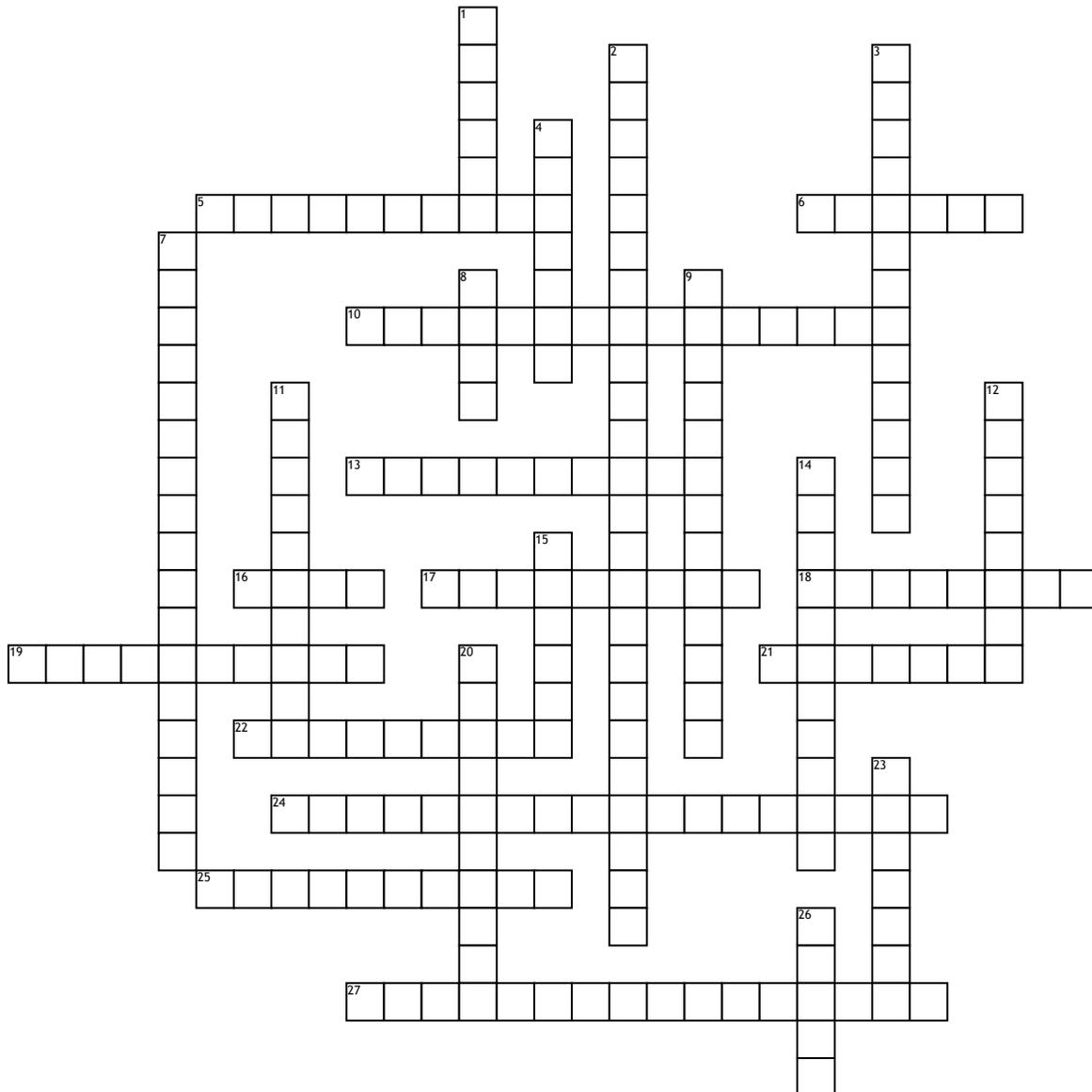


Statistical and Probability Vocabulary



Across

- 5. A controlled study in which the researcher attempts to understand cause-and-effect relationships.
- 6. An investigation about the characteristics of a given population by means of collecting data from a sample of that population.
- 10. Represents characteristics such as a person's gender, marital status, hometown, or the types of movies they like.
- 13. Process of imitating a real phenomenon with a set of mathematical formulas.
- 16. Individual pieces of factual information recorded and used for the purpose of analysis.
- 17. Any numerical quantity that characterizes a given population or some aspect of it.
- 18. Chart that uses bars to show comparisons between categories of data.
- 19. Collecting and analyzing numerical data in large quantities, especially for the purpose of inferring proportions in a whole from those in a representative sample.

- 21. Act of noticing something or a judgment or inference from something seen.
- 22. The theory, methods, and practice of forming judgments about the parameters of a population and the reliability of statistical relationships.
- 24. Showing that data near the mean are more frequent in occurrence than data far from the mean. In graph form it appears as a bell curve.
- 25. Is an assumption about a population parameter. This assumption may or may not be true.
- 27. Is data expressing a certain quantity, amount or range.

Down

- 1. A numerical measurement used in statistics of a value's relationship to the mean (average) of a group of values.
- 2. Part of an information gathering and learning process which is undertaken to seek meaning from.
- 3. States that for a normal distribution, nearly all of the data will fall within three standard deviations of the mean.
- 4. Is a graphical display of data using dots.

- 7. Is a measure of how spread out numbers are.
- 8. Average that is used to derive the central tendency of the data in question.
- 9. Expresses the maximum expected difference between the true population parameter and a sample estimate of that parameter.
- 11. Total set of observations that can be made.
- 12. Calculate the value of some property of a population from observations of a sample drawn from the population, a guess.
- 14. A measure quantifying the likelihood that events will occur.
- 15. A set of observations drawn from a population.
- 20. Is another word for outcome.
- 23. Graph looks like a rectangle with lines extending from the top and bottom.
- 26. Known as tests that can be used to analyze data.