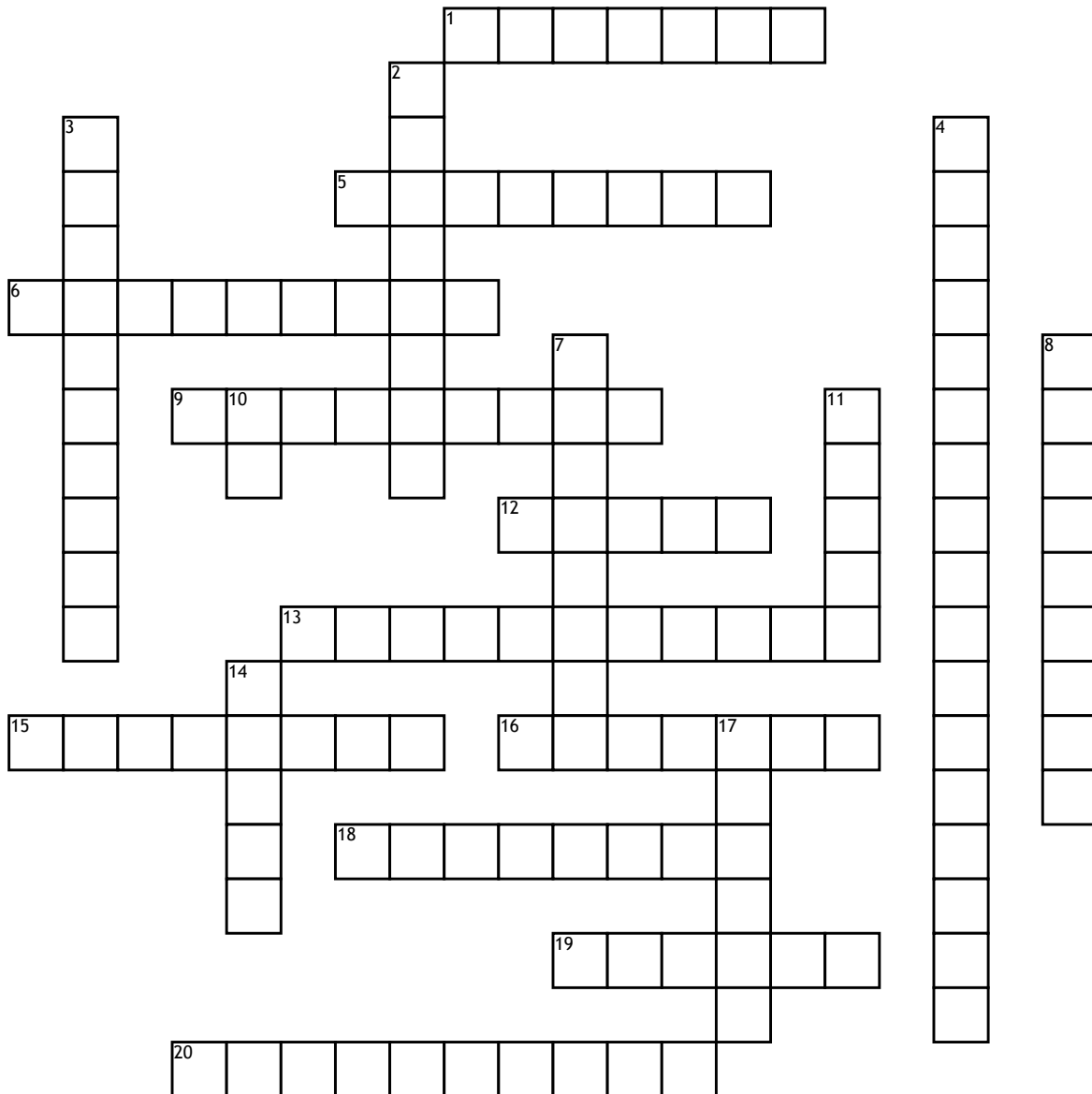


# Stats Chapter 7 Vocab



**Across**

- 1. For a binomial distribution, \_\_\_\_\_ values are values for r that fall outside the range of 2.5 standard deviations away from the mean.
- 5. \_\_\_\_\_ normal distribution is a normal distribution with a mean = 0 and standard deviation = 1.
- 6. A numerical descriptive measure of a sample.
- 9. The \_\_\_\_\_ rule is used to determine what proportion of a distribution lies within 1, 2, and 3 standard deviations from the mean.
- 12. Greek letter that represents standard deviation.
- 13. \_\_\_\_\_ sampling: e.g., asking your friends to respond to a survey.

- 15. A \_\_\_\_\_ random variable can take on only a finite number of values or a countable number of values.
  - 16. The \_\_\_\_\_ Limit Theorem ( used to normalize the sample mean distribution).
  - 18. Another name for the normal distribution. (Named after a mathematician)
  - 19. Represents the number of standard deviations between the original measurement x and the mean of the x distribution. (also known as standard score)
  - 20. In the function Binomcdf, the c stands for \_\_\_\_\_.
- Down**
- 2. \_\_\_\_\_ in a data set are the data values that are very different from other measurements in the data set.

- 3. A \_\_\_\_\_ random variable can take on any of the countless number of values in a line interval.
- 4. Represents the average spread of a data set away from the mean.
- 7. \_\_\_\_\_ is the standard deviation squared.
- 8. A numerical descriptive measure of a population.
- 10. Greek letter that represents mean.
- 11. 99.7% of observations in a normal distribution fall within \_\_\_\_\_ standard deviations of the mean.
- 14. The standard \_\_\_\_\_ is the standard deviation of a sampling distribution.
- 17. \_\_\_\_\_ sampling: e.g., assigning each student a number and using a random number generator to pick a sample.