AMDM Crossword Puzzle
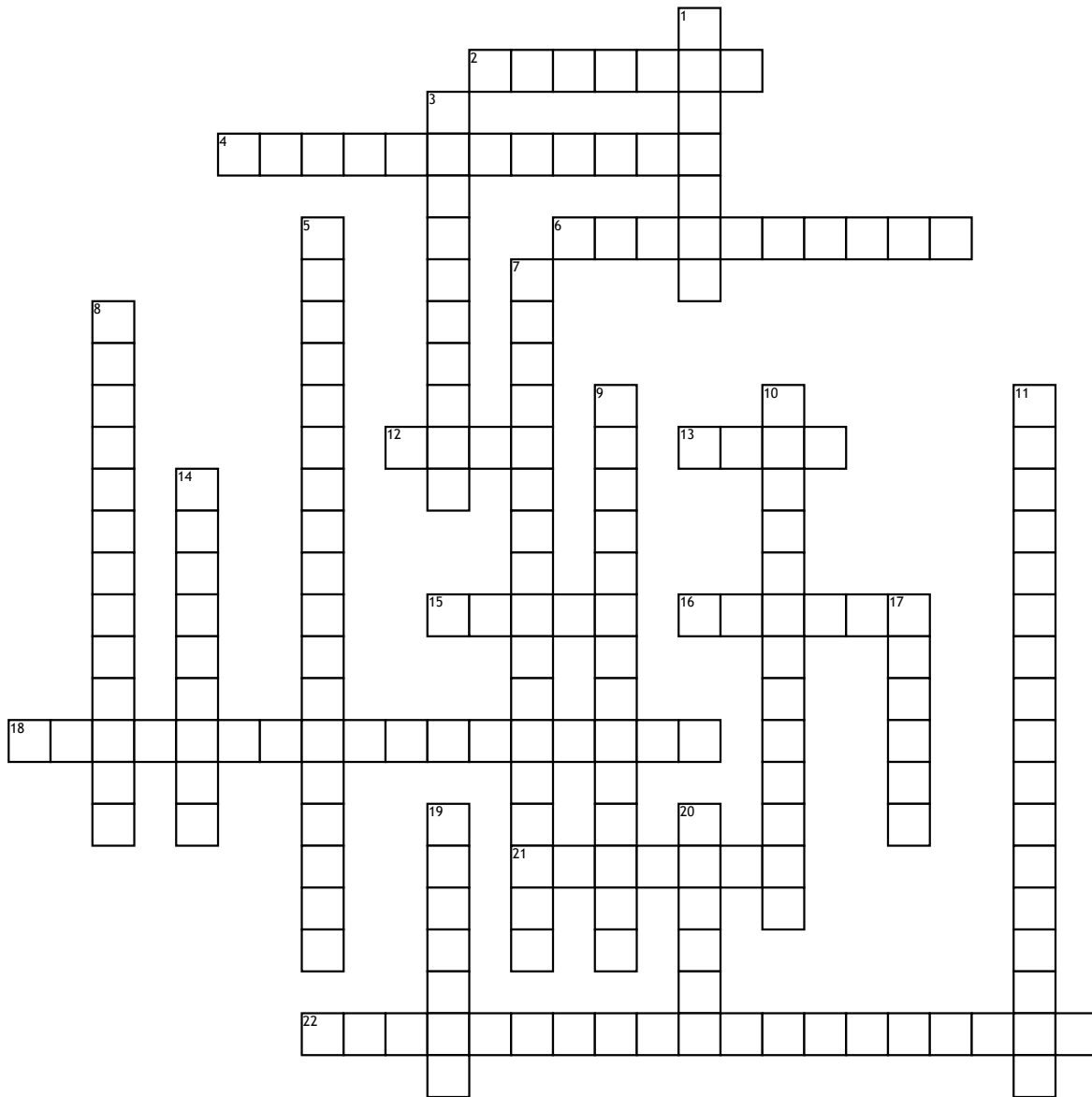
Across

2. A graphical device that summarizes data by the number of dots above each data value on the horizontal axis

4. The "baseline" group which receive the PLACEBO treatment.

6. A precise, testable statement of what the researchers predict will be the outcome of the study.

12. The most frequently occurring score(s) in a distribution.

13. The arithmetic average of a distribution, obtained by adding the scores and then dividing by the number of scores.

15. The difference between the highest and lowest scores in a distribution.

16. A study that uses counts or measures of the entire population.

18. A study based on data that manipulates factor levels to create treatments, randomly assigns subjects to these treatments.

21. A treatment known to have no effect, administered so that all groups experience the same conditions.

22. The variable that is changed or controlled in a scientific experiment.

Down

1. A graphical representation showing the five-number summary of data.

3. The entire group of individuals or instances about whom we hope to learn.

5. The difference between the first and third quartiles.

7. The sample group is chosen from the population who are readily available or 'convenient'.

8. A population is divided into groups, then ALL members of one or more (NOT ALL) of the groups are selected as part of the sample group.

9. Consists of the minimum and maximum, the quartiles Q1 and Q3, and the median.

10. An analytical technique that accounts for the number of acceptable errors in an experiment.

11. The variable being tested in a scientific experiment.

14. A graph of vertical bars representing the frequency distribution of a set of data.

17. A representative subset of a population, examined in hope of learning about the population.

19. A value that "lies outside most of the other values in a set of data.

20. The middle score in a distribution; half the scores are above it and half are below it.