Chap 2: Research Methods

Complete the crossword below
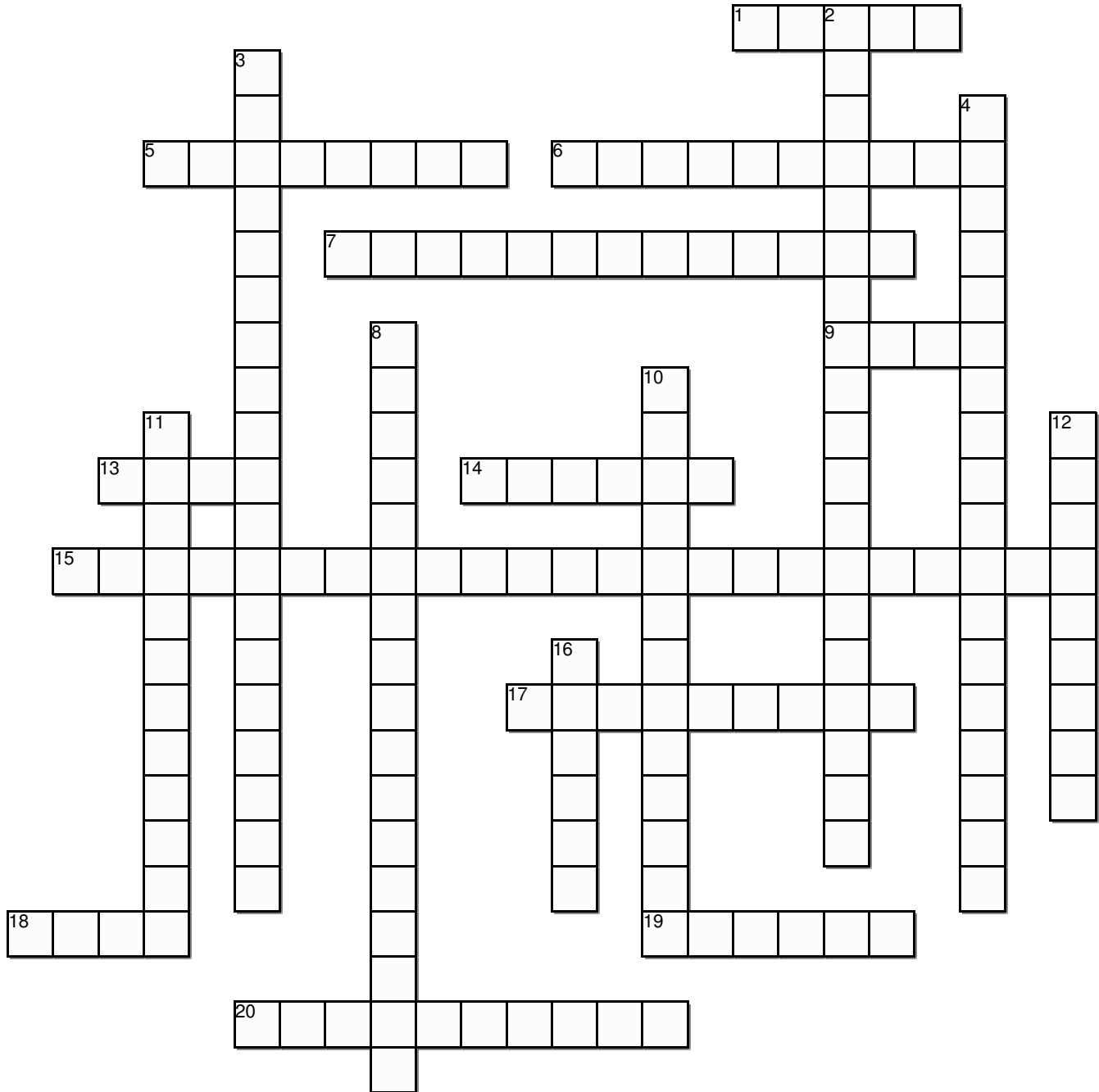
Median | Histogram | Data | Mode | Experiment | Controls | Mean | Corrrelation | Random

Sample | Range | Normal Distribution | Random presentation | Theory | Correlation

coefficient | Personal bias | Survey | Replicate | Scientific method | Standard Deviation

Hypothesis

Across

1. The simplest measure of variability, represented by the difference between the highest and he lowest values in a frequency data

5. Constraints that the experimenter places on the experiment to ensure that each subject has the exact same conditions

6. A kind of research in which the researcher controls all the conditions and manipulates them

7. A sample group of subjects selected by chance

9. Pieces of information, especially gathered by a researcher to be used in testing a hypothesis

13. A measure of central tendency where it occurs most often in the data

14. A testable explanation for a set of facts or observation as research

15. A number between -1 and 1 = degree of relationship

17. A study over to see whether the same results are obtained

18. The measure of central tendency most often used to describe a set of data

19. An experimental method in which questions are asked to subjects

20. A statement predicting the outcome of a scientific study

Down

2. A bell-shaped curve, describing the spread of a characteristic

3. A process by which chance alone determines the order in which the stimulus is presented

4. A measure of variability that indicates the average difference between the scores and their mean

8. Five step process for empirical investigation of a hypothesis

10. The researcher allowing personal beliefs to affect the outcome of a study

11. A relationship between variables, in which changes in one variable are reflected in changes in the other variable

12. A bar graph depicting a frequency distribution. The height of the bars indicates the frequency of a group of scores

16. A measure of central tendency for a distribution, represented by the score that seperates the upper half of the scores