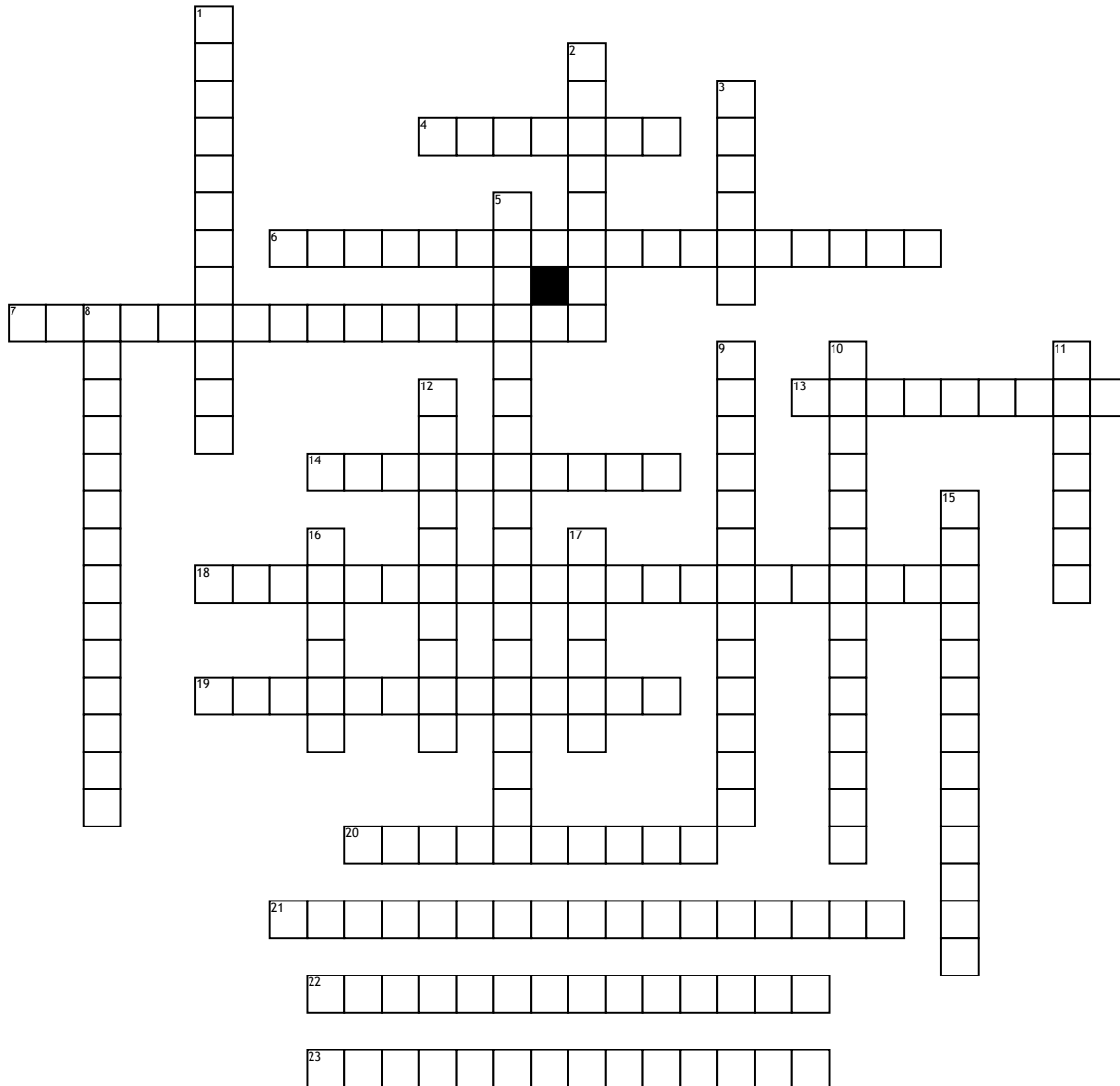


# Statistics Vocabulary



## Across

4. The step in the research cycle in which data is gathered  
 6. Collects data about the characteristics of the population  
 7. A formal problem statement that a researcher is investigating  
 13. What is done to participants in an experimental study in an effort to answer the research question  
 14. Represented by  $\bar{x}$   
 18. States that something is different between the claimed value and the true value  
 19. The amount allowed for in case of miscalculation or change in circumstances  
 20. A formal statement of what a researcher thinks will happen in a study

21. Participants are divided into groups and assigned a treatment  
 22. States that there is no difference between the true value and the claimed value

## Down

1. The group that everyone else is compared to. No treatment given.  
 2. The step in the research cycle that sparks the interest of the researcher  
 3. The actual members chosen to be part of the study  
 5. What is being measured in a study  
 8. How researchers choose the participants for a study

9. When participants show improvement simply because they are in the study, not because the treatment is effective.

10. The group that is being manipulated to test the hypothesis  
 11. The step in the research cycle in which the researcher looks for patterns in the data  
 12. The entire group the study is aiming to investigate  
 15. Question - Design - Collect - Analyze - Report  
 16. The step in the research cycle in which the researcher decides the best method for investigating the question  
 17. The step in the research cycle in which the results of the study are shared with others