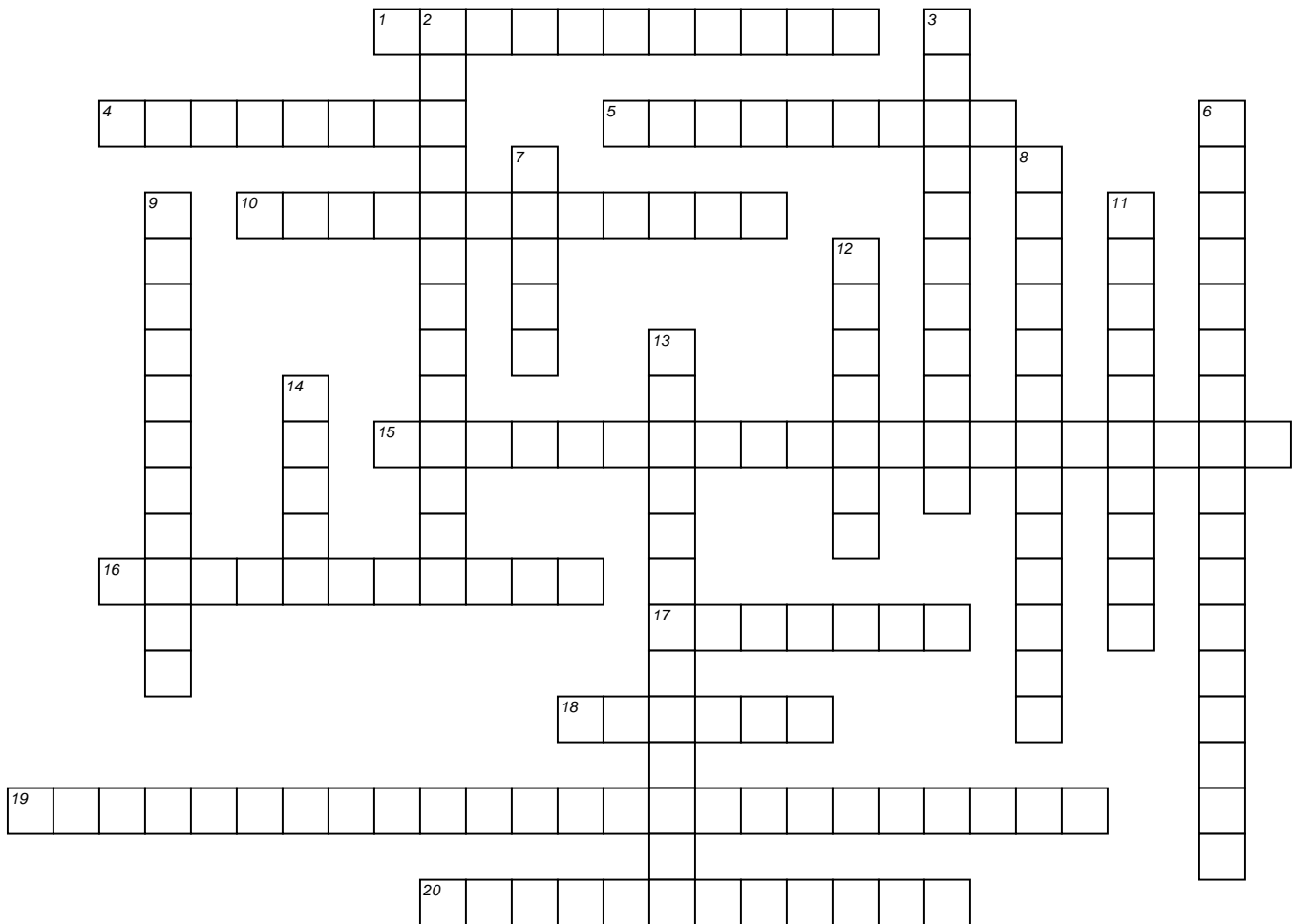


Chapter 13

Experiments & Observational Studies

Advanced Placement Statistics



Stats: Modeling the World, Chapter 13

ACROSS

- 1 neither the subjects nor the people who have contact with them know which treatment a subject has received
- 4 people who are studied
- 5 the process or intervention applied to randomly assigned experimental units
- 10 experimental units assigned to a baseline treatment level
- 15 type of experiment in which all experimental units have an equal chance of receiving any treatment
- 16 when either the subjects or the people who have contact with them do not know which treatment a subject has received
- 17 treatment known to have no effect, administered so that all groups experience the same conditions
- 18 variable whose levels are controlled by the experimenter
- 19 when an observed difference is too large to believe that it is likely to have occurred naturally
- 20 type of study in which subjects who are similar in ways not under study may be grouped together and then compared with each other on the variables of interest

DOWN

- 2 study based on data in which no treatments have been assigned to subjects
- 3 when the levels of one factor are associated with the levels of another factor so their effects cannot be separated
- 6 individuals on which an experiment is done
- 7 when groups of experimental units are similar, they are gathered into these groups
- 8 the tendency of many human subjects to show a response even when administered a placebo
- 9 observational study in which subjects are followed to observe future outcomes
- 11 study in which subjects are randomly assigned to treatments
- 12 aspects of the experiment that we know may have an effect on the response, but that are not the factors being studied
- 13 observational study in which subjects are selected and then their previous conditions or behaviors are determined
- 14 specific values that the experimenter chooses for a factor