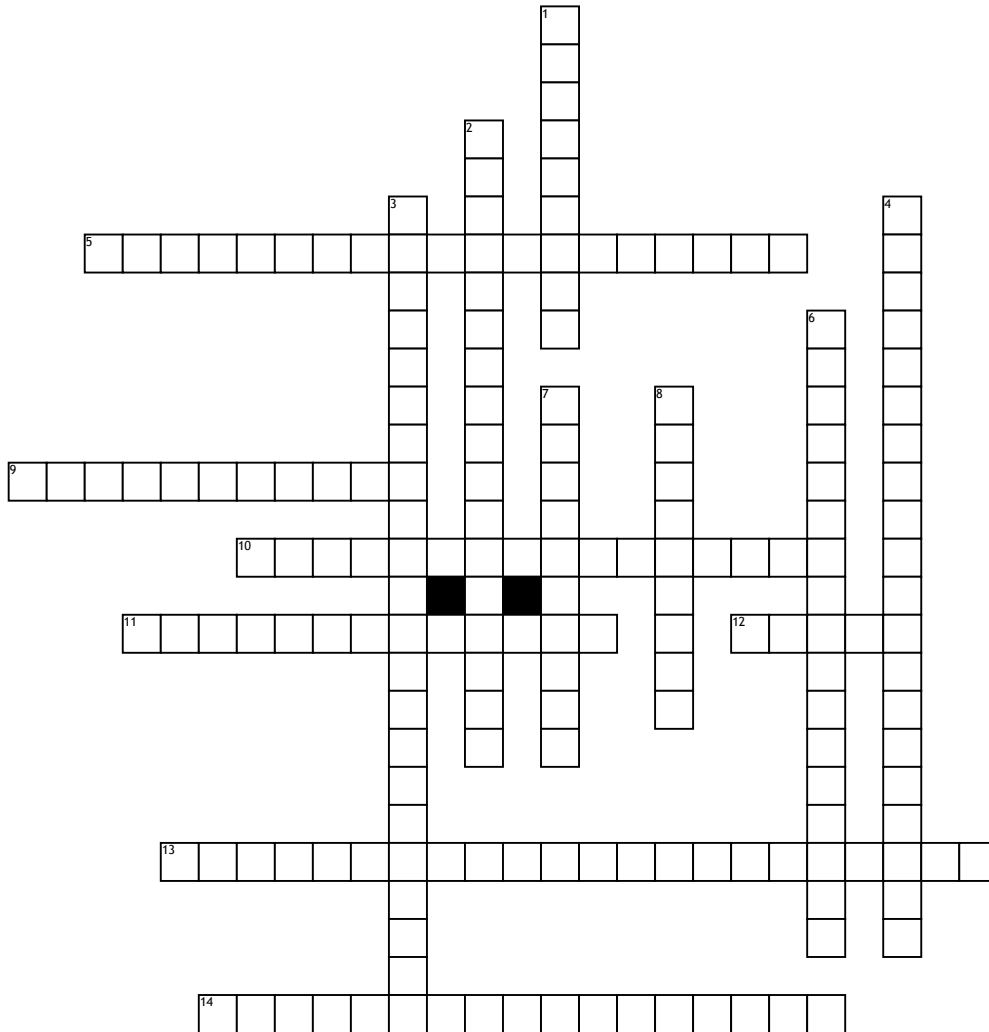


Ap stat: theme2 vocabulary choice board



Across

5. the mean of all samples from the same population will be approximately equal to the mean of the population

9. the range of values of a random variable.

10. a mathematical representation of a random phenomenon. It is defined by its sample space, events within the sample space, and probabilities associated with each event

11. a predicted value of a variable, calculated as the sum of all possible values each multiplied by the probability of its occurrence

12. A set of possible outcomes resulting from a particular experiment

13. the probability of an event (A), given that another (B) has already occurred

14. Two events, A and B, are independent if the fact that A occurs does not affect the probability of B occurring. Some other examples

Down

1. a fact or piece of data from a study of a large quantity of numerical data.

2. an accurate statistic that's used to approximate a population parameter

3. a variable which can only take a countable number of values

4. a probability distribution of a statistic obtained through a large number of samples drawn from a specific population

6. two propositions (or events) are mutually exclusive or disjoint if they cannot both be true (occur). A clear example is the set of outcomes of a single coin toss, which can result in either heads or tails, but not both.

7. Can be measured

8. a numerical characteristic of a population, as distinct from a statistic of a sample

Word Bank

Independent events

Mutually exclusive

Unbiased estimator

Event

Central limit theorem

Sample space

Parameter

Sampling distribution

Discrete random variable

Probability model

Continuous

Statistic

Expected value

Conditional probability