

Classroom Voting Questions: Elementary Statistics

Probability Models

1. Consider a standard 52-card deck, with four suits (hearts(red), diamonds(red), spades(black), clubs(black)), 13 cards per suit (2-10, J, Q, K, A). Define an event space on the standard deck such that it consists of 52 simple outcomes, one for each card in the deck.

Which of the following is a true statement?

- (a) Black is not an event.
- (b) Black is an event with 1 simple outcome.
- (c) Black is an event with 26 simple outcomes.
- (d) Black is an event with 52 simple outcomes.
- (e) None of the above is true.