

INFERENCE 23

The acceptance rate at a particular college is 58 percent. If one takes an SRS of applicants to this college and constructs a confidence interval estimate of the acceptance rate, which of the following would be true?

- I. The center of the interval would be 58 percent.
- II. The interval would contain 58 percent.
- III. A 99 percent confidence interval estimate would contain 58 percent.

- (A) I and II (B) I and III (C) II and III (D) I, II, and III
(E) None of the above gives the complete set of true responses.

Answer: (E) There is no guarantee that 58 percent is anywhere near the interval, so none of the statements are true.