

1. A recent national study showed that approximately 44.7% of college students have used Wikipedia as a source in at least one of their term papers. Let X equal the number of students in a random sample of size $n = 31$ who have used Wikipedia as a source.

Perform the below operations:

- a. Find the probability that X is equal to 17
- b. Find the probability that X is at most 13
- c. Find the probability that X is bigger than 11
- d. Find the probability that X is at least 15.
- e. Find the probability that X is between 16 and 19, inclusive

Not Discussed in Class.