

(Continued)

5. A survey asks whether people think a politician is innocent or guilty of embezzlement. Which would be the best measure of central tendency to describe this dataset?

- a) mean
- b) median
- c) mode

A: c

6. Explain your response to the previous question.

A: The data are nominal; that is, people believe the politician is innocent or guilty. Thus, with categorical data as in this example, the mode is the best measure of central tendency to report.

7. Look again at Table 4.5. Look at the second question, in the lower portion of that table.

- a) What is the correct measure of central tendency to report?

A: median

- b) Why is it the correct measure of central tendency to report?

A: It has an open-ended response range; that is, "five or more times" is an unknown quantity.

- c) What is the value of this measure of central tendency?

A: 2