

1. When you test data that is in a normal distribution, the data mean is 43, the standard deviation is 100, and the sample size is 96. You are using _____.

- a. descriptive statistics
- b. scale
- c. reliability
- d. inferential statistics

ANSWER:

d

POINTS:

1

REFERENCES:

Why We Need Statistics

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

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2. Statistical procedures that summarize and describe a series of observations are called

- a. inferential statistics.
- b. descriptive statistics.
- c. scales.
- d. ratios.

ANSWER:

b

POINTS:

1

REFERENCES:

Why We Need Statistics

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

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3. Statistical procedures that allow one to make inferences about large groups by examining a smaller sample are called

- a. populations.
- b. descriptive statistics.
- c. inferential statistics.
- d. ratios.

ANSWER:

c

POINTS:

1

REFERENCES:

Why We Need Statistics

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

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4. Which of the following evaluates data against rigid statistical rules?

- a. Confirmatory data analysis
- b. Tests of statistical significance
- c. Factor analysis
- d. Psychometrics

ANSWER:

a

POINTS: 1
REFERENCES: Why We Need Statistics
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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5. Trial by judge and jury is to criminal investigation and prosecution as confirmatory data analysis is to
- theoretical assumptions.
 - reliability and validity.
 - underlying constructs.
 - exploratory data analysis.

ANSWER: d
POINTS: 1
REFERENCES: Why We Need Statistics
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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6. Scales of measurement differ from one another in terms of
- magnitude, absolute measurement, and equal intervals.
 - magnitude, relative zero, and equal intervals.
 - numbers, relative zero, and equal intervals.
 - magnitude, absolute zero, and equal intervals.

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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7. Which of the following scales has the properties of magnitude, absolute zero, and equal intervals?
- Ordinal
 - Interval
 - Nominal
 - Ratio

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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8. A scale that allows one to determine only if there is more, less, or an equal amount of the attribute in comparison to another observation is called a(n) ____ scale.

- a. nominal
- b. ordinal
- c. interval
- d. ratio

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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9. A property of a scale that implies the complete absence of the measured attribute is called a(n)

- a. magnitude.
- b. absolute zero.
- c. equal interval.
- d. ratio.

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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10. Many feel that the difference between an IQ of 100 and 105 is not the same as the difference between an IQ 70 and 75. These people feel that IQ tests lack ____.

- a. absolute zeroes
- b. magnitudes
- c. ratios
- d. equal intervals

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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11. Which of the following scales would be used when the information is qualitative rather than quantitative?

- a. Ordinal
- b. Interval
- c. Nominal
- d. Ratio

ANSWER: c
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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12. When the relationship between the unit of measurement of a scale (strength) and an outcome (pounds lifted) can be described by a linear equation $Y = a + bX$, the scale is said to have what property?

- a. Magnitude
- b. Equal intervals
- c. Absolute zero
- d. Nominal

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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13. The speedometer on your car is an example of what kind of scale measurement?

- a. Nominal
- b. Ordinal
- c. Interval
- d. Ratio

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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14. A scale that allows us to rank individuals or objects, but not to say anything about the meaning of the differences between the ranks, is a(n)

- a. nominal scale.
- b. ordinal scale.
- c. interval scale.
- d. ratio scale.

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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15. The Fahrenheit scale of temperature (32°F = freezing; 212°F = boiling) is best described as

- a. nominal.
- b. ordinal.
- c. interval.
- d. ratio.

ANSWER: c

POINTS: 1

REFERENCES: Scales of Measurement

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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16. In which scales can you make meaningful interpretation of an arithmetic operation such as addition?

- a. Nominal scale and ordinal scale
- b. Ordinal scale and interval scale
- c. Interval scale and nominal scale
- d. Ratio scale and interval scale

ANSWER: d

POINTS: 1

REFERENCES: Scales of Measurement

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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17. Which type of scale simply ranks observations?

- a. Nominal
- b. Ordinal
- c. Interval
- d. Ratio

ANSWER: b

POINTS: 1

REFERENCES: Scales of Measurement

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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18. An equal interval is found in which of the following?

- a. Telephone numbers
- b. Rules
- c. National Football League team standings

d. Ethnicity distribution

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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19. What do the rules used in measurement do?

- a. Transform the qualities of attributes into numbers
- b. Identify and correct for potential sources of bias
- c. Relate individual scores to those of the normative populations
- d. Allow for the determination of reliability and validity

ANSWER: a
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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20. If a scale allows one to say whether a particular instance has more, less, or the same amount of an attribute as another instance, the scale is said to have

- a. cross validity.
- b. measurement.
- c. magnitude.
- d. comparativity.

ANSWER: c
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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21. If the relationship between a scale's measured units and some outcome can be described by a straight line or linear equation, the scale is said to have

- a. predictive validity.
- b. magnitude.
- c. linear significance.
- d. equal intervals.

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False
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22. Which type of scale does not have magnitude, does not have equal intervals, and does not have an absolute zero?

- a. Ordinal
- b. Nominal
- c. Ratio
- d. Interval

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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23. Which type of scale has magnitude and equal intervals, but does not have an absolute zero?

- a. Ordinal
- b. Nominal
- c. Ratio
- d. Interval

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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24. Which of the following is a permissible operation for nominal data?

- a. Multiplication by transform equations
- b. Creation of frequency distributions
- c. Comparison of scores to determine relative quantities
- d. Identification of construct validity

ANSWER: b
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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25. Which of the following is an accurate description of percentile ranks?

- a. They are the ratio of the number of cases below a score of interest to the total number of cases.
- b. They are a measurement of the extent to which scores are normally distributed.

- c. They must be computed in order to use most statistical analysis techniques.
- d. While they are useful in describing nominal scales, they cannot be used with interval and ratio scales.

ANSWER: a
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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26. Which of the following is true of percentiles?
- a. They are the inverse of percentile ranks.
 - b. They indicate what percentage of scores fall below a given score.
 - c. They describe the relationship of test scores to the hypothesized constructs.
 - d. They divide the total frequency for a set of observations into hundredths.

ANSWER: d
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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27. In a frequency distribution, the scores, from lowest to highest, are typically arranged
- a. on the horizontal axis.
 - b. on the vertical axis.
 - c. in the legend.
 - d. in the title.

ANSWER: a
POINTS: 1
REFERENCES: Frequency Distribution
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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28. There are more people with incomes on the low end as compared to the high end. What kind of distribution does this illustrate?

- a. Normal
- b. Positively skewed
- c. Negatively skewed
- d. Bell curve

ANSWER: b
POINTS: 1
REFERENCES: Frequency Distribution
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False
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29. In order to rank group members in relationship to the number of other members of groups of arbitrary size, you would use the

- a. class interval.
- b. simple rank.
- c. percentile rank.
- d. mean.

ANSWER: c
POINTS: 1
REFERENCES: Percentile Ranks
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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30. In order to calculate a percentile rank, you need to know

- a. how many cases are below the score of interest.
- b. whether the distribution is normal or skewed.
- c. the standard deviation of the scores.
- d. the nature of the underlying scale.

ANSWER: a
POINTS: 1
REFERENCES: Percentile Ranks
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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31. Suppose there were 50 people in your class and you obtained the 20th highest score. Your percentile rank would be

- a. 20.
- b. 40.
- c. 50.
- d. 60.

ANSWER: d
POINTS: 1
REFERENCES: Percentile Ranks
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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32. A percentile rank is a measure of

- a. actual performance.

- b. relative performance.
- c. absolute performance.
- d. peak performance.

ANSWER: b
 POINTS: 1
 REFERENCES: Percentile Ranks
 QUESTION TYPE: Multiple Choice
 HAS VARIABLES: False
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33. Suppose you are in the 87th percentile on a test. This means

- a. you are among the top 13 students in the class.
- b. 87% of the students got a score lower than yours.
- c. you got 87% of the test items correct.
- d. 87% of the students got a score higher than yours.

ANSWER: b
 POINTS: 1
 REFERENCES: Percentiles
 QUESTION TYPE: Multiple Choice
 HAS VARIABLES: False
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34. Calculate the mean for the following set of scores: 4, 8, 3, 7.

- a. 3.0
- b. 4.5
- c. 5.5
- d. 6.0

ANSWER: c
 POINTS: 1
 REFERENCES: Describing Distributions
 QUESTION TYPE: Multiple Choice
 HAS VARIABLES: False
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35. In statistics, the Roman letter *S* refers to

- a. the variance of a population.
- b. the variance of a sample.
- c. the standard deviation of a population.
- d. the standard deviation of a sample.

ANSWER: d
 POINTS: 1
 REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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36. The standard deviation

- a. reflects the similarity among a set of scores.
- b. equals the sum of all scores minus the mean squared.
- c. is an approximation of the average deviation around the mean.
- d. always equals 0.

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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37. A measure of how much scores within a distribution differ among themselves is the

- a. mean.
- b. frequency.
- c. variance.
- d. median.

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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38. If you are given $\bar{x} = 57$ and $S = 4$, what is the variance?

- a. 2.0
- b. 14.25
- c. 16.0
- d. 30.5

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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39. Which set of scores below contains the most variability?

- a. 15
15
15
15
15
15
- b. 3
4
3
4
3
4
- c. 1
4
2
5
1
6
- d. 25
27
25
27
25
27

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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40. A Z score

- a. is the difference between a score and the mean, divided by the standard deviation.
- b. tells us how many standard deviations the score is below the average score.
- c. tells us how many standard deviations the score is below the mean.
- d. is the standard deviation of a population.

ANSWER: a
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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41. In a distribution where $X = 21$ and $S = 3$, what is the Z-score of a raw score of 15?

- a. -12
- b. -2
- c. 2

d. 12

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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42. When deviation scores around the mean are added up, their mean will be

- a. indeterminate.
- b. < 0 .
- c. 0.
- d. > 0 .

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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43. In a symmetrical binomial probability distribution, the greatest frequency of scores is near the

- a. ends of the distribution.
- b. center of the distribution.
- c. top of the distribution.
- d. bottom of the distribution.

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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44. If a score is equal to the mean, its Z score will be

- a. < 0 .
- b. exactly 0.
- c. > 0 .
- d. impossible to calculate.

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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45. A Z score of 1.0 is associated with approximately the

- a. 16th percentile.
- b. 50th percentile.
- c. 75th percentile.
- d. 84th percentile.

ANSWER: d

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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46. The square root of the variance is the

- a. true variance.
- b. standard deviation.
- c. mean.
- d. variability of the population.

ANSWER: b

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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47. One advantage of using Z scores is that

- a. you do not need to know the mean.
- b. they can show the effects of test bias.
- c. they are easier to interpret.
- d. you don't need to know the standard deviation.

ANSWER: c

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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48. A Z score of 0 would correspond to approximately what percentile?

- a. 0
- b. 1
- c. 16

d. 50

ANSWER: d
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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49. A Z score of 3 is approximately how many standard deviations above the mean?

- a. 0
- b. 3
- c. 6
- d. 99

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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50. A Z score of -1 would correspond to approximately what percentile?

- a. 0
- b. 16
- c. 50
- d. 84

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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51. A score at the 98th percentile is approximately how many standard deviations above the mean?

- a. 0
- b. 1
- c. 2
- d. 98

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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52. A score at the 50th percentile is approximately how many standard deviations above the mean?

- a. 0
- b. 1
- c. 2
- d. 50

ANSWER: a

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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53. McCall's *T* scores have

- a. a mean of 0 and a standard deviation of 1.
- b. a mean of 5 and a standard deviation of 2.
- c. a mean of 10 and a standard deviation of 2.
- d. a mean of 50 and a standard deviation of 10.

ANSWER: d

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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54. Approximately what percentage of scores falls below the mean in a standard normal distribution?

- a. 1%
- b. 16%
- c. 34%
- d. 50%

ANSWER: d

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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55. In the standard normal distribution,

- a. most of the scores cluster on the ends of the distribution.
- b. more scores fall above the mean than below the mean.
- c. more scores fall below the mean than above the mean.

d. approximately 95% of all scores fall between plus and minus two standard deviations from the mean.

ANSWER: d
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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56. Distributions of scores can be divided into how many equal deciles?

- a. 5
- b. 9
- c. 10
- d. 25

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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57. A raw score is also called a(n)

- a. estimated score.
- b. predicted score.
- c. sigma.
- d. obtained score.

ANSWER: d
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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58. Interquartile range is bounded by the

- a. bottom 25% of the distribution.
- b. middle 25% of the distribution.
- c. middle 50% of the distribution.
- d. top 50% of the distribution.

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

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59. Three fourths of all scores in a distribution fall

- a. below Q2.
- b. above Q2.
- c. below Q3.
- d. above Q3.

ANSWER: c

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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60. What system is standardized to have a mean of 5 and a standard deviation of approximately 2?

- a. Decile
- b. McCall's *T*
- c. Stanine
- d. Quartile

ANSWER: c

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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61. Within the quartile system, the 2nd quartile is the

- a. 20th percentile.
- b. 50th percentile.
- c. 75th percentile.
- d. 80th percentile.

ANSWER: b

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

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62. If you score in the upper quartile,

- a. you scored in the 25th percentile or higher.
- b. you scored in the 75th percentile or higher.
- c. you scored better than 1/4 of all people.

d. you scored better than 40% of all people.

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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63. The mean of a standardization sample

- a. is zero.
- b. is a norm.
- c. never changes.
- d. is always a Z score.

ANSWER: b
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:43 AM
DATE MODIFIED: 8/25/2017 6:44 AM

64. The performance by a defined group on a particular test is called a(n)

- a. quartile.
- b. median.
- c. norm.
- d. tracking score.

ANSWER: c
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:45 AM
DATE MODIFIED: 8/25/2017 6:46 AM

65. Suppose that a doctor weighs your child and finds her to be in the 25th percentile for weight at age 2. The doctor rechecks your child every few months to be sure that she is staying near the 25th percentile. This is an example of

- a. tracking.
- b. leafing.
- c. quartiles.
- d. percentile monitoring.

ANSWER: a
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

DATE CREATED: 8/25/2017 6:47 AM
DATE MODIFIED: 8/25/2017 6:47 AM

66. Comparing an individual's test score only with members of his/her own racial group is an example of
- a. tracking.
 - b. within-group norming.
 - c. norm monitoring.
 - d. criterion monitoring.

ANSWER: b
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:48 AM
DATE MODIFIED: 8/25/2017 6:49 AM

67. The Triple ZZZ Corporation had 87% black male employees. However, only 50% of the applicant pool was comprised of black males. This is an example of
- a. translocation.
 - b. normalization.
 - c. overselection.
 - d. representativeness.

ANSWER: c
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:50 AM
DATE MODIFIED: 8/25/2017 6:51 AM

68. In the Civil Rights Act of 1991, Section 106,
- a. within-group norming was made legal.
 - b. employers were prohibited from using test scores in hiring decisions.
 - c. within-group norming was made illegal.
 - d. employers were prohibited from transforming test scores.

ANSWER: c
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:52 AM
DATE MODIFIED: 8/25/2017 6:53 AM

69. A test that compares each person with a norm is called
- a. a transformed test.
 - b. a criterion-referenced test.

- c. a norm-referenced test.
- d. a within-group norming test.

ANSWER: c
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:54 AM
DATE MODIFIED: 8/25/2017 6:55 AM

70. Jennifer took a test in school that indicated that she was doing very well in reading but was having trouble with assignments that involved writing papers. She probably took what kind of test?

- a. Criterion-referenced
- b. Norm-referenced
- c. Personality
- d. Projective

ANSWER: a
POINTS: 1
REFERENCES: Norms
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 6:56 AM
DATE MODIFIED: 8/25/2017 6:58 AM

71. Logical deductions about events that cannot be observed directly are referred to as

- a. data
- b. inferences
- c. statistics
- d. distributions

ANSWER: b
POINTS: 1
REFERENCES: Why We Need Statistics
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:00 AM
DATE MODIFIED: 8/25/2017 7:01 AM

72. Which type of scale does not permit mathematical manipulations?

- a. nominal
- b. ordinal
- c. ratio
- d. interval

ANSWER: a
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:03 AM
DATE MODIFIED: 8/25/2017 7:04 AM

73. A researcher tracks the weights of babies born in a particular hospital. She identifies the number of babies falling in each of the following weight classes: 0-2 lbs, 2.1-4 lbs, 4.1-6 lbs, 6.1-8 lbs, 8.1-10 lbs. A graph of this information is called a(n)

- a. standard deviation
- b. norming distribution
- c. interval scale
- d. frequency distribution

ANSWER: d
POINTS: 1
REFERENCES: Frequency Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:06 AM
DATE MODIFIED: 8/25/2017 7:06 AM

74. A researcher tracks the weights of babies born in a particular hospital. She identifies the number of babies falling in each of the following weight classes: 0-2 lbs, 2.1-4 lbs, 4.1-6 lbs, 6.1-8 lbs, 8.1-10 lbs. What is the class interval for this frequency distribution?

- a. 0
- b. 10
- c. 2
- d. 1

ANSWER: c
POINTS: 1
REFERENCES: Frequency Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:08 AM
DATE MODIFIED: 8/25/2017 7:09 AM

75. Specific scores or points within a distribution are called

- a. ratios
- b. z scores
- c. factors
- d. percentiles

ANSWER: d
POINTS: 1
REFERENCES: Percentiles
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:11 AM
DATE MODIFIED: 8/25/2017 7:12 AM

76. The mean of a Z score is always

- a. 50
- b. 0
- c. equal to the mean of the raw score squared.
- d. 1

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:12 AM
DATE MODIFIED: 8/25/2017 7:14 AM

77. Z scores and T scores differ in this characteristic

- a. skewness
- b. frequency
- c. mean
- d. magnitude

ANSWER: c
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:15 AM
DATE MODIFIED: 8/25/2017 7:16 AM

78. The second quartile is the

- a. mean
- b. median
- c. interquartile range
- d. 25th percentile

ANSWER: b
POINTS: 1
REFERENCES: Describing Distributions
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:17 AM
DATE MODIFIED: 8/25/2017 7:18 AM

79. Develop an example of each of the following scales: nominal, ordinal, interval, and ratio.

ANSWER: Answer not provided.
POINTS: 1
REFERENCES: Scales of Measurement
QUESTION TYPE: Essay
HAS VARIABLES: False
DATE CREATED: 8/25/2017 7:20 AM

DATE MODIFIED: 8/25/2017 7:21 AM

80. Explain why the mean of a distribution of Z scores is equal to 0.

ANSWER: Answer not provided.

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Essay

HAS VARIABLES: False

DATE CREATED: 8/25/2017 7:23 AM

DATE MODIFIED: 8/25/2017 7:24 AM

81. Compare and contrast norm-referenced and criterion-referenced tests.

ANSWER: Answer not provided.

POINTS: 1

REFERENCES: Norms

QUESTION TYPE: Essay

HAS VARIABLES: False

DATE CREATED: 8/25/2017 7:25 AM

DATE MODIFIED: 8/25/2017 7:25 AM

82.

Compute the percentile rank for each of the following scores. Show your work.

17, 42, 36, 9, 11, 24, 23, 44, 41, 29

ANSWER: Answer not provided

POINTS: 1

REFERENCES: Percentile Ranks

QUESTION TYPE: Essay

HAS VARIABLES: False

DATE CREATED: 8/25/2017 7:27 AM

DATE MODIFIED: 8/25/2017 7:53 AM

83. Explain the process of standardization. Why is it that any system of standardization works equally well?

ANSWER: Answer not provided.

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Essay

HAS VARIABLES: False

DATE CREATED: 8/25/2017 7:28 AM

DATE MODIFIED: 8/25/2017 7:29 AM

84. List the steps for going from raw scores to stanines.

ANSWER: Answer not provided.

POINTS: 1

REFERENCES: Describing Distributions

QUESTION TYPE: Essay

HAS VARIABLES: False

DATE CREATED:

8/25/2017 7:30 AM

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8/25/2017 7:31 AM