

Question	Points	Score
1	5	
2	5	
3	5	
4	5	
5	5	
6	5	
7	5	
8	5	
9	5	
10	5	
11	5	
12	5	
13	5	
14	5	
15	5	
16	5	
17	5	
18	5	
19	5	
20	5	
Total:	100	

- (5 points) A *variable* is a characteristic that changes:
A. (true) B. (false)
- (5 points) Level of measurement is a characteristic of:
A. the dataset B. each variable C. the values of the variable D. none of the above
- (5 points) The least precise level of measurement is:
A. Nominal B. Ordinal C. Interval D. Ratio
- (5 points) The most precise level of measurement is:
A. Nominal B. Ordinal C. Interval D. Ratio
- (5 points) The level of measurement that implies there is a rank structure is:
A. Nominal B. Ordinal C. Interval D. Ratio
- (5 points) The level of measurement that implies the differences between each value level are the same?
A. Nominal B. Ordinal C. Interval D. Ratio

7. (5 points) The level of measurement that implies that the variable has a “true” zero?
 A. Nominal B. Ordinal C. Interval D. Ratio
8. (5 points) Univariate statistics describes what variable?
 A. one single B. many together C. dependent only D. independent only
9. (5 points) Multivariate statistics describes what variable?
 A. one single B. many together C. dependent only D. independent only
10. (5 points) A statistic is to a parameter:
 A. as an educated guess is to a true secret value B. as a sergeant is to cadet C. as the US is to Russia
 D. as students are to a professor
11. (5 points) Which measure of central tendency is most sensitive to outliers
 A. mean B. median C. mode D. inter-quartile range
12. (5 points) The mean of the following number is: [2,3,4,5,6]
 A. 2 B. 3 C. 5 D. 4
13. (5 points) The mode of the following number is: [2,2,2,2,2,2,2,2,3,4,5,6]
 A. 2 B. 3 C. 5 D. 4
14. (5 points) The median of the following number is: [2,3,10]
 A. 2 B. 3 C. 10 D. 6
15. (5 points) The median of the following number is: [2,3,100000]
 A. 2 B. 3 C. 10 D. 6
16. (5 points) The median of the following number is: [2,3,5,10]
 A. 2 B. 3 C. 6 D. 4
17. (5 points) $8 - 10 =$
 A. 2 B. -2 C. 18 D. -18
18. (5 points) $-2 * (-2) =$
 A. 4 B. -4 C. 22 D. -22
19. (5 points) If there are 10 values and the sum of the square deviations is 100, what is the variance
 A. 10 B. 1 C. -10 D. No answer
20. (5 points) If the variance is 100, what is the standard deviation?
 A. 10 B. 1 C. -10 D. No answer