

CHAPTER 1 EXERCISE

WHAT IS STATISTICS?

Name Taylor McNeal Section BA 235 01 Score _____

Part I Classify the following sets of data as qualitative or quantitative.

- Qualitative 1. The religious affiliations of college students
- Quantitative 2. The height of each member of a basketball team
- Quantitative 3. Students' scores on the first statistics exam
- Qualitative 4. The color of new SUV's on a car lot
- Quantitative 5. The Olympic track and field world records, such as the time for the steeplechase.

Part II Classify the following sets of data as continuous or discrete.

- Discrete 6. The number of students enrolled in an accounting class
- Discrete 7. The number of General Electric microwaves sold by Home Depot last month
- Continuous 8. The acceleration time of an automobile
- Continuous 9. The temperature of a refrigerator
- Discrete 10. The number of people aboard a commercial airplane

Part III Identify the measurement scale as nominal, ordinal, interval, or ratio for each of the following.

- Interval 11. student IQ ratings
- Ratio 12. distance students travel to class
- Nominal 13. the jersey numbers of a sorority soccer team
- Nominal 14. a classification of students by state of birth
- Interval 15. a ranking of student as freshman, sophomore, junior, and senior
- Ratio 16. number of hours students study per week
- Ratio 17. the number of papers sold each Sunday during 2020
- Nominal 18. the color of the students' hair in your statistics class

Interval 19. Scholastic Aptitude Test (S.A.T.) scores for incoming freshmen

Interval 20. the departments, such as editorial, advertising, sports, etc