

## Day 2: Group Work: Types of variables and measurements

Names of group members:

If your group cannot decide on the classification, write the reason for each possibility.

1) Classify each variable as qualitative or quantitative.

qual	quant	Colors of automobiles in a store parking lot.
qual	quant	Number of desks in classrooms
qual	quant	Number of pages in statistics textbooks
qual	quant	Classification of children in a day care center (infant, toddler, preschool)
qual	quant	Capacity (in gallons) of water in selected dams

2) Classify each variable as discrete or continuous.

dis	cont	Number of loaves of bread baked each day at a local bakery
dis	cont	Water temperature of the saunas at a given health spa
dis	cont	Weights of newborn infants at a certain hospital
dis	cont	Incomes of recent graduates of a college
dis	cont	Capacity (in gallons) of water in swimming pools

3) Classify each measurement as nominal (N), ordinal (O), interval (I), or ratio (R).

_____	Ages of students enrolled in a martial arts course.
_____	Ratings of newscasts in Houston (poor, fair, good, excellent)
_____	Time required by drivers to complete a course
_____	Marital status of respondents to a survey on grocery shopping
_____	Temperature (F) readings of air in popcorn popper.