

**MAT327/782: Day 3**

1) Classify the data as quantitative or qualitative:

- |              |             |  |
|--------------|-------------|--|
| quantitative | qualitative | color of automobiles in a store parking lot                                  |
| quantitative | qualitative | number of desks in all classrooms at Lehman                                  |
| quantitative | qualitative | number of pages in statistics textbooks                                      |
| quantitative | qualitative | classification of children in a day care center (infant, toddler, preschool) |
| quantitative | qualitative | capacity (in gallons) of water in selected dams                              |

2) Classify the data as discrete or continuous:

- |          |            |  |
|----------|------------|--|
| discrete | continuous | number of loaves of bread baked each day at a local bakery |
| discrete | continuous | water temperature of the saunas at a given health spa      |
| discrete | continuous | weights of newborn infants at a certain hospital           |
| discrete | continuous | incomes of recent graduates of a college                   |
| discrete | continuous | capacity (in gallons) of water in swimming pools           |

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

- |       |   |
|-------|---|
| _____ | Ages of students enrolled in a martial arts course            |
| _____ | Ratings of newcasts 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             |