

# Assignment - Chapter 01

**Complete the following problems related to Chapter 1. Upload to Canvas a single pdf containing your work before the deadline.**

For each of the following problems, identify whether it is a categorical variable or a numerical variable. If numerical, identify whether it is discrete or continuous.

- (a) Number of students in a class of 35 who turn in a term paper late
- (b) Sex of the next born baby in a particular hospital
- (c) Amount of fluid (in ounces) dispensed by a machine used to fill bottles with soda pop
- (d) Thickness of the gelatin coating of a vitamin E capsule
- (e) Birth order classification (only child, first born, middle child, last born) of a math major
- (f) Brand of a computer purchased by a customer
- (g) State of birth for someone born in the U.S.
- (h) Price of a textbook
- (i) Concentration of a contaminant (micrograms per cubic centimeter) in a water sample
- (j) Zip code
- (k) Actual weight of coffee in a 1-pound can
- (l) The number of insufficient-funds checks received by a grocery store in a given month
- (m) The amount by which a 1-pound package of beef decreases in weight (because of moisture loss) before a purchase
- (n) The number of students in a class of 50 who have purchased a used copy of a textbook
- (o) The length of a 1-year-old rattlesnake
- (p) The distance from the left edge at which a 12-inch plastic ruler snaps when bent sufficiently to break
- (q) The altitude of a location in California selected randomly by throwing a dart at a map of the state
- (r) The price per gallon paid by the next customer to buy gas at a particular station
- (s) Telephone number