

For Part 1 on the class project everyone will answer these questions individually. This portion of the project is worth 15 points. Do not start collecting data yet. This is Due on Thursday, March 28.

- 1) Make up a question that you could ask for which the summary statistic will be a proportion, for example
 - A. Do you use a reusable coffee cup?
 - B. Do you print two sided?
 - C. How do you use sustainable transportation like walking, riding, or taking the bus to get to school?
 - D. Is the car in the parking lot an SUV?
 - E. Do you wear a smart watch?
 - F. Your Question?

- 2) Determine a question that you could ask for which the summary statistic will be a mean, for example
 - a. How many miles is it from your home to school?
 - b. How many straws have you used in the last week?
 - c. How many ounces of coffee do you drink per day?
 - d. What is the gas mileage of your car in miles per gallon?
 - e. How many steps did you take yesterday?
 - f. How many minutes did you exercise last week?
 - g. Your Question?

- 3) For your quantitative question and the examples in 2) determine the level of measurement and if the values are discrete or continuous.
- 4) Match these populations to the questions in 1) and 2)
SRJC faculty and students,
All men and women,
cars in Safeway parking lot and Grocery Outlet parking lot,
people who exercise regularly and do not exercise regularly,
Gym members and non-gym members
- 5) Determine two populations to compare for your questions.

- 6) For both of your questions explain how you could collect your sample data. Refer to the sampling methods in chapter 1. Your method must be something that you can do. (Write on back of page.)
- 7) When you make inference to your population, explain how your sampling method may introduce bias and how it avoids bias. (Write on back of page.)