**Instructions:** For this introductory module focused on terminology, the activity will consist primarily of selected-response questions. Choose the best answer from the options provided.

1. Which of the following is an example of a categorical variable?
   1. Age
   2. Height
   3. Relationship Status
   4. Weight
2. What is the primary difference between descriptive and inferential statistics?
   1. Descriptive statistics are used to summarize data; inferential statistics are used to make inferences to a population.
   2. Descriptive statistics are used to make inferences to a population; inferential statistics are used to summarize data.
   3. Both are used to summarize data.
   4. Both are used to make inferences to a population.
3. Which scale of measurement includes a true zero?
   1. Nominal
   2. Ordinal
   3. Interval
   4. Ratio
4. A factor that remains constant across a dataset is called a variable.
   1. True
   2. False
5. Which scale of measurement includes values with an inherent order that are equally spaced, but with no true zero?
   1. Nominal
   2. Ordinal
   3. Interval
   4. Ratio
6. Which scale of measurement includes values with no inherent order, no equal spacing, and no true zero?
   1. Nominal
   2. Ordinal
   3. Interval
   4. Ratio
7. Match the term with the correct definition.
   1. Population
      1. All possible data we are interested in.
   2. Sample
      1. Subset of all possible data we are interested in.
8. Match the term with the correct use.
   1. Descriptive Statistics
      1. Summarize data.
   2. Inferential Statistics
      1. Make inferences about a population.
9. Match the data type to the example.
   1. Discrete
      1. Number of students in a class.
   2. Continuous
      1. Weight of a person.
10. Analicia is interested in investigating whether the amount of food eaten before bed impacts ratings of fatigue the following morning. What is the independent variable?
    1. Amount of food eaten
    2. Analicia
    3. Fatigue Rating
    4. The following morning
11. Jamal is studying whether the amount of time spent studying affects student’s stress prior to taking an exam. He measures student stress by taking their heartrate in beats per minute (bpm). What is the independent variable?
    1. The student being measured
    2. Heartrate in bpm
    3. Jamal
    4. Amount of time spent studying
12. Carl wants to know if the number of days exercising per week influences a student’s GPA. What is the dependent variable?
    1. Carl
    2. Number of days exercising
    3. Student GPA
    4. The gym the students choose to work out at
13. Sofia is interested in studying individuals living with schizophrenia. Specifically, she’s interested in the impact that music has on symptoms of paranoia. To study this, Sofia works with patients at a nearby clinic. Is Sofia working with a sample or a population?
    1. Sample
    2. Population
14. Sofia gathers information about the patients at the local clinic, including their average paranoia ratings. Is this average paranoia rating a statistic or a parameter?
    1. Statistic
    2. Parameter
15. Lila is curious about the average income in the United States. To research this, she accesses the most recent U.S. Census data, which surveys all U.S. residents. Is Lila working with a sample or a population?
    1. Sample
    2. Population
16. Lila calculates the average income in the U.S. using the census data. Is this average a statistic or a parameter?
    1. Statistic
    2. Parameter