Deliverable 01 Worksheet

1. Introduce your scenario and data set.
   * Provide a brief overview of the scenario you are given and describe the data set.
   * Describe how you will be analyzing the data set.
   * Classify the variables in your data set.
     + Which variables are quantitative/qualitative?
     + If it is a quantitative variable, is it discrete or continuous?
     + Describe the level of measurement for each variable included in the data set (nominal, ordinal, interval, ratio).

**Answer and Explanation:**

*Enter your step-by-step answer and explanations here.*

1. Discuss the importance of the Measures of Center.
   * Name and describe each measure of center.
   * Discuss the advantages and/or disadvantages of each.

**Answer and Explanation:**

*Enter your step-by-step answer and explanations here.*

1. Discuss the importance of the Measures of Variation.
   * Name and describe each measure of variation.
   * Discuss the advantages and/or disadvantages of each.

**Answer and Explanation:**

*Enter your step-by-step answer and explanations here.*

1. Calculate the measures of center and measures of variation from the data set and list them below. Be sure to include **(a)** an interpretation of each measure in context of the scenario (for example, if the median is larger than the mean, what does it mean? What does the value of standard deviation tell you?) and **(b)** correct units of measurement. Show your calculations in your spreadsheet. You do not need to include Excel functions in your written answer below.  
   * Mean
   * Median
   * Mode
   * Midrange
   * Range
   * Variance
   * Standard deviation

**Answer and Explanation:**

*Enter your step-by-step answer and explanations here.*