Chapter 2

# Try It Yourself: Identify Missing Data

## Excel Instructions

1. Open the vote.csv dataset in Excel.
2. Verify that id is in Column A and gpa is in column D.
3. Identify the total number of people:
   1. Use the Count function to count the number of values.
      1. In an empty cell, use the formula:

=COUNTA(A:A)-1

* + 1. Be sure to subtract 1 as the column's title will be included.

1. Identify missing gpa values:
   1. Use the Count Blank function to count the number of missing values.
      1. In an empty cell, use the formula:

=COUNTBLANK(D1:D5188)

1. Calculate the percentage of missing data:
   1. Use a formula to calculate the percentage of missing gpa values in an empty cell.
      1. Divide the number of missing gpa values by the total number of people.
      2. Convert to a percentage.