**Worthy Cause Scenarios**

"A nation's greatness is measured by how it treats its weakest members." -- Mahatma Ghandi. In this scenario, you will explore and analyze our society by looking at statistics on our less fortunate members. Your goal is to determine if your cause is most worthy.

Complete the task listed under the role.

**Role #1 Poverty Analyst**

Analyze poverty in the United States. Do you believe that there is a problem with poverty in the United States? Is it getting worse year by year or better? What does the data suggest?

* 1. Go to the statistical abstracts entitled *Data* on page 2, or you may locate your own data by going to: <https://www.census.gov/library/publications/2011/compendia/statab/131ed.html> and find data tables that support your argument.
  2. Make at least two graphics from these data. One should be a scatterplot with a trend line, R square, and equation. The other graph/graphs is/are of your choosing.
  3. *Note:* be careful about saying a trend is increasing. It could be because the population is increasing. Make sure that you divide your values by the population in that year to standardize the values; that way you can report them as a proportion.
  4. Include your graph, equation, calculations and results.

