Mathematics in Demographics

**Cultural issues are often identified through statistical analysis. By identifying trends, change agents can generate solutions to critical issues ripped from the headlines.**

In this assignment, you will use the real-world population data set selected in Module 1 to identify relationships within categories of information, identify connections between the selected group and the category, gather additional data, and propose research-based solutions.

* Create a 3- to 5-page paper (not including the title and references pages) in a Word document for your response.
* Use APA format for the paper, the title page, the references page, and the in-text citations.
* Develop an introduction and conclusion for your paper.
* Follow the steps to complete the assignment.

Part 1: Population Data

**Step 1. Relate**Using the real-world population data set selected in Module 1, identify relationships within specific categories of information, such as gender and school dropout; rural versus urban issues.

**Step 2. Infer**Infer a potential connection between the selected group and a given category.

**Step 3. Add Support**Provide additional data to support the connection and rationale for it.

Part 2: Solutions

**Step 4. Research**What does research suggest is the solution for the issues identified using numerical data? List three potential solutions to the issues.

**Step 5. Conclude**In your conclusion, consider how the data influenced the identified solutions. Address the following questions:

* How can the data misinform our decision making?
* How does this shape our view on culture?
* What other variables might influence the findings?