

CSCI 3327 Visual Basic (Fall 2011)

Assignment #5

Instructor: Dr. Xiang Lian
Due Date: See the course website

This assignment is to get you proficient in arrays. Please write a program to solve the following formula to find standard deviation for a set of scores. Sample program is given below.

$$\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}$$

σ = lower case sigma
 \sum = capital sigma
 \bar{x} = x bar

Here are the steps needed to solve this formula:

1. Enter a set of scores;
2. Find the average of these scores;
3. Find the deviation of each of the scores from the mean and square the difference;
4. Sum all the deviation squared;
5. Divide the sum by total number of scores minus 1;
6. Find the Square root of the result, which is exactly the standard deviation.

Please submit:

1. Program listing; and
2. The screen captures (see the Appendix).

- Your program should begin with a comment section that would include the following:

PROGRAMMERS NAME: _____

STUDENT ID: _____

CLASS: _____ ASSIGNMENT #: _____

DATE DUE: _____ DATE TURNED IN: _____

- **Note:** Please send the files you created to [Blackboard](#).

- **Appendix: Examples of Screen Captures**

