My Project

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Chapter 1

Assignment-3

Starter Code for Assignment 3

2 Assignment-3

Chapter 2

File Index

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Here is a list of all documented files with brief descriptions:	
hw_broken.cc	Ę

File Index

Chapter 3

File Documentation

3.1 hw_broken.cc File Reference

```
#include <iostream>
#include <cmath>
```

Functions

double deviation (int *a, int n)
 calculates standard deviation

3.1.1 Function Documentation

3.1.1.1 deviation()

calculates standard deviation

a a dynamic array of integers used to store the data setn the size of the dynamic array used to store the data set

Returns

the standard deviation of the integers in the dynamic array expressed as a double

The standard deviation σ_x of a data set is

$$\sigma_x = \sqrt{\frac{\sum_{n=1}^k (x_n - \bar{x})^2}{n}},$$

where \bar{x} is the mean of the data set x_i , n is the number of elements in the data set, and \sum denotes the sum of all the differences of each element from the mean squared.

6 File Documentation