

Question 2: Pseudocode

1. Initialize sum counter that starts at 0 and an empty list to store all data values
2. Go through each line and do the following:
 - a. Convert string to integer
 - b. Store integer in the string
 - c. Add value to sum
3. If the number of data points is less than two print a error message
4. Calculate average (sum divided by # of data points)
5. Initialize a squared sum that starts at 0
6. Go through each data point again and do the following:
 - a. Subtract average by the data points
 - b. Take the value above and square it
 - c. Add the final value to squared sum
7. After going through all data points, divide squared sum by the number of data points
8. Square root the above to get final answer of standard deviation
9. Print standard deviation