```
clear;clc;
% Example from pp55-56
% Experimental Methods, W. Bolton (1996), Elsevier
%
%
disp("")
disp("Measurements of the electrical resistance [ohm] of a resistor")
disp("-----------------------------------------------------------")
resistance = [53 48 45 49 46 48 51 57 55 55 47 49];
count = length(resistance);

% Compute the mean resistance
mean_resistance = mean(resistance);

% Compute deviation using built-in Octave command,
% deviation_squared and tabulate the results
deviation  = resistance - mean_resistance;
deviation2 = deviation.^2;
[resistance' deviation' deviation2']
count
mean_resistance

% Compute standard deviation using built-in Octave command
std_dev = std(resistance)

% Compute standard error for the two sets of experiments
stderr = std_dev/sqrt(count)
```