Jacob Kurian

09/14/2016

CIS 3207

1. What are the mean and standard deviation values for your observations?

The detailed information is included in the Excel document.

* Timer1 (execute Application)
  + Mean of the start-up time: 1667.73 microseconds
  + Standard Deviation: 1462.200734 microseconds
* Time2(execute Application and its copy)
  + Mean of the start-up time : 311767.85
  + Standard Deviation : 57492.43386

1. What is the 95% confidence level interval ?

* For Timer 1: Based on histogram most of the interval will be between 1250 – 1700 micro-seconds.
* For Timer 2: Based on the histogram most of the intervals will be between 275000 -350000 micro-seconds

1. Why shouldn't it always take exactly the same amount of time to perform this simple action of program startup?

Time that a computer takes to perform the action will be based on scheduler and processor. So it will be different each time.