

Course: Soc 225.3, Spring Term, 2020
Assignment 3: Module 6-7 (10/70)
Due date: June 11, 2020

Suppose that you have a sample of 10 individuals in the table below. You know the monthly income for each individual.

Individual	The monthly income
1	9800
2	3500
3	4000
4	4600
5	2000
6	9000
7	3850
8	4800
9	5000
10	2450

Table A3-1

Source: Eva Xiaoling Li, U of S, module author.

Please answer the following questions:

1. Calculate the mean income. Please show the procedures of your calculation.
2. Calculate the variance, the standard deviation, and the standard error. Please show the procedures of your calculation. Please round the results to integers.
3. Explain each statistic in Step 2 based on the study.
4. Construct and interpret the 99% confidence interval for the mean income of the population. Please round your answers to integers.