

Ugochukwu Achina

Post-exam Assignment

Directions: To receive up to five points in additional credit for Exam 1, complete the following two steps:

1. List two changes you will make in preparing for the next exam.
2. For any problems on the exam where you lost points, write out the correct solution in the space on the left. You may use any resource you would like, just make sure the solution is correct and clearly written out. In the space on the right, explain why you lost points on the exam.

Two changes I will make in preparing for the next exam:

- 1) Focus more on understanding concepts instead of my grades
- 2) Do all or as much practice problems as I can.

Correct Solution

$$\begin{aligned} \text{1a)} \quad \frac{HCL + LCL}{2} &= \frac{600 + 450}{2} = 525 \\ \frac{HCL - LCL}{2} &= \frac{600 - 450}{2} = 75 \\ &= 525 \pm 75 \end{aligned}$$

Why I lost points on the exam

I did not calculate the marginal error

1c) Yes since the value (500) falls within the confidence interval.

Allen emphasized what the question was asking for

3a) Using the same employees thereby having a meaning factor

would have chosen a simpler answer