

Lab 1 Solutions - STAT 252

Question 12

Provide an interpretation of the confidence interval in the context of the statistical question.

Solution:

We are **99% confident** that the **population mean amount Cal Poly students spend on hats** is between **\$21.19** and **\$23.13**.

Rubric: Confidence Interval Interpretation (Total: 2 points)

Component	Criteria	Points
Confidence Level & Interval Bounds	States the correct confidence level (99%) and includes both \$21.19 and \$23.13 as the lower and upper bounds	1.0
Population Parameter in Context	Clearly refers to the population mean and specifies it relates to Cal Poly students' spending on hats	1.0