

Example 8.1

Confidence Interval Estimates

OpenStax
Introductory Statistics 2e

Example

- Suppose know the sample mean but we do not know the mean for the entire population.
- The sample mean is seven, and the error bound for the mean is 2.5.
- What is the confidence interval estimate for the population mean?

Confidence Error Estimate
 $(\bar{x} - EBM, \bar{x} + EBM)$

$$\bar{x} = 7, EBM = 2.5$$

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$$(4.5, 9.5)$$