

Key Concepts in Inferential Statistics

Assignment: Heiman Chapter 6, review
Chapter 9

Terms you should know.

Sampling distribution of the mean
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* Standard error of the mean
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Central Limit Theorem
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* Region of rejection
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* Critical value
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Formulas and Symbols You Should Know

* $P < .05$ and $p < .01$
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$\sigma_{\bar{X}}$
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$\sigma_{\bar{X}} = \frac{\sigma_x}{\sqrt{N}}$
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Concepts You Should Master

1. What is the relationship between probability and percent? How do you go from one to the other?
2. In research terms, what is meant by a "RARE EVENT?"
3. How is the sampling distribution of means distributed? Sketch what it looks like
4. What is the relevance of the Central Limit Theorem to the Sampling Distribution of the mean?
5. Be able to use the Z-score table to determine the critical values of Z for one and two-tailed tests when $\alpha = .05$ and $\alpha = .01$

