Statistics Chapter 4 Homework Answers

Quiz 9.3C

AP Statistics

Name:

The distribution of actual weights of 8-ounce chocolate bars produced by a certain machine is Normal with mean 8.1 ounces and standard deviation 0.1 ounces. Company managers do not want the weight of a chocolate bar to fall below 7.85 ounces, for fear that consumers will complain.

1. Find the probability that the weight of a randomly selected candy bar is less than 7.85 ounces.

says Normal!

$\mu_{\bar{x}} = 8.1$ $Z = \dfrac{7.85 - 8.1}{.1}$

$\sigma_{\bar{x}} = .1$

$Z = -2.5$

proportion is

.0062

There's a .62% chance the selected bar weighs less than 7.85 oz.

Four candy bars are selected at random and their mean weight, $\bar{x}$, is computed.

2. Describe the center, shape, and spread of the sampling distribution of $\bar{x}$.

Shape: Normal, mound-shaped, symmetric

center: same as parent population = 8.1 oz

Spread! $\dfrac{.1}{\sqrt{n}} = $ standard deviation

$= \dfrac{.1}{\sqrt{3}} = .05$

3. Find the probability that the mean weight of the four candy bars is less than 7.85 ounces.

$Z = \dfrac{7.85 - 8.1}{.05}$

$Z = -5$

proportion = 0

There's not a chance that the mean weight of the 4 candy bars is less than 7.85 oz.

4. Would your answers to 1, 2, or 3 be affected if the weights of chocolate bars were distinctly non-Normal?

Same as #4 on 9.3A :)

Chapter 9

Quiz 9.3C

Statistics Chapter 4 Homework Answers

Math 10 - Elementary Statistics and Probability ... Linear Program Geometric Solution Template for Chapter 3 ... You can use these to check your Ch 3 and Ch 4 homework but you will need to know how to do the ... 1, 2, 3, 4. To check the final answers for ALL assigned homework problems in sections 3.1 and 3.2 click HERE.

At this time you should be done with the 14 Reviews on Stats 4 Stem if not, ... I have also attached a glossary for chapter 10 that will help you to answer some of ...

statistics chapter 4 homework answers

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6, 02/01, Section 4.5: Independence, HW#3: Chapter 4, Exercises: 118, 120, ... 8, 02/08, Midterm Exam #1: Chapter 4, Homework: #1, #2, #3, Results: 20, 20, 20, ... Wiley Plus Accounting Homework Answers Chapter 4. Free student math practice. ... Chapter 3 6. 05 indicates statistical significance. ... Continue reading.. A video summary of chapter 4 in Perdisco's Introductory Statistics 360Textbook. To find out more, visit www .... Getting the books ap statistics chapter 9 homework answers now is ... 4 Completely randomized design 44 5 [eBooks] Ap Statistics Chapter 9 .... Free step-by-step solutions to Elementary Statistics (9780134462455) - Slader. ... Elementary Statistics, 13th Edition. 13th Edition ... Chapter 4. Probability ...

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