

2019 AP® STATISTICS FREE-RESPONSE QUESTIONS

STATISTICS

SECTION II

Part A

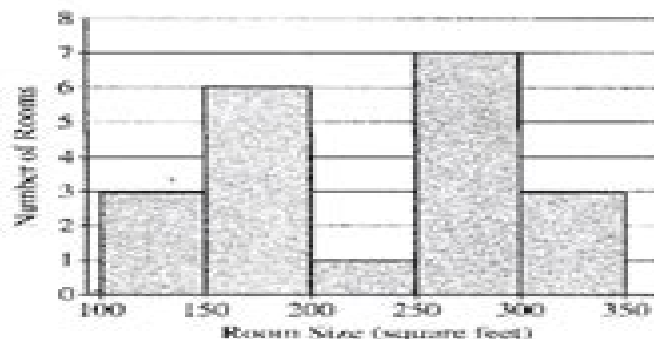
Questions 1-5

Spend about 1 hour and 5 minutes on this part of the exam.

Percent of Section II score—75

Directions: Show all your work. Indicate clearly the methods you use, because you will be scored on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.

1. The sizes, in square feet, of the 20 rooms in a student residence hall at a certain university are summarized in the following histogram.



- (a) Based on the histogram, write a few sentences describing the distribution of room size in the residence hall.
 (b) Summary statistics for the sizes are given in the following table.

Mean	Standard Deviation	Min	Q1	Median	Q3	Max
231.4	68.12	134	174	253.5	292	315

- ① The spread is about $(350 - 100) = 250 \text{ ft}^2$.
 The distribution is roughly bimodal and approximately symmetric. The median is around 250. The min is around 100 and the max is around 350.
- ② $IQR = 292 - 134 = 118$
 No outliers
- Upper bound = $Q_3 + 1.5 \times IQR = 292 + 1.5 \times 118 = 467$
 Lower bound = $Q_1 - 1.5 \times IQR = 134 - 1.5 \times 118 = -3$

Quiz 12 1 Ap Statistics Answers

CH Cherryholmes



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The Practice of Statistics Daren S. Starnes,Dan Yates,David S. Moore,2010-12-17 View a Panopto recording of textbook author Daren Starnes detailing ten reasons the new fourth edition of The Practice of Statistics is the right choice for the AP Statistics course Watch instructor video reviews here Available for your Fall 2010 Course Request Sample Chapter 3 here The most thorough and exciting revision to date The Practice of Statistics 4e is a text that fits all AP Statistics classrooms Authors Starnes Yates and Moore drew upon the guidance of some of the most notable names in AP and their students to create a text that fits today s classroom The new edition comes complete with new pedagogical changes including built in AP testing four step examples section summaries Check Your Understanding boxes and more The Practice of Statistics long stands as the only high school statistics textbook that directly reflects the College Board course description for AP Statistics Combining the data analysis approach with the power of technology innovative pedagogy and a number of new features the fourth edition will provide you and your students with the most effective text for learning statistics and succeeding on the AP Exam

Cracking the AP Statistics Exam, 2012 Edition Madhuri S. Mulekar,Princeton Review (Firm),2011-09-06 Provides techniques for achieving high scores on the AP

statistics exam and includes two full length practice tests *Cracking the AP Statistics Exam, 2018 Edition* Princeton Review, 2017-08 Everything students need to know to succeed on the AP Statistics Exam *AP Statistics Premium, 2025: Prep Book with 9 Practice Tests + Comprehensive Review + Online Practice* Martin Sternstein, 2024-07-02 Be prepared for exam day with Barron's Trusted content from AP experts Barron's AP Statistics Premium 2025 includes in depth content review and online practice It's the only book you'll need to be prepared for exam day Written by Experienced Educators Learn from Barron's all content is written and reviewed by AP experts Build your understanding with comprehensive review tailored to the most recent exam Get a leg up with tips strategies and study advice for exam day it's like having a trusted tutor by your side Be Confident on Exam Day Sharpen your test taking skills with 9 full length practice tests 6 in the book including a diagnostic test to target your studying and 3 more online plus detailed answer explanations for all questions Strengthen your knowledge with in depth review including hundreds of examples and worked out solutions covering all Units on the AP Statistics Exam Reinforce your learning with 29 quizzes throughout the book that feature hundreds of multiple choice and free response practice questions Boost your confidence by reviewing key reminders and pitfalls to avoid on test day advice on selecting the appropriate inference procedure guidance on calculator usage and much more Online Practice Continue your practice with 3 full length practice tests on Barron's Online Learning Hub Simulate the exam experience with a timed test option Deepen your understanding with detailed answer explanations and expert advice Gain confidence with scoring to check your learning progress *5 Steps to a 5: AP Statistics 2019* Duane C. Hinders, Corey Andreasen, DeAnna Krause McDonald, 2018-08-06 A PERFECT PLAN FOR THE PERFECT SCORE Score Raising Features Include 6 full length practice exams 3 in the book 3 on Cross Platform Hundreds of exercises with thorough answer explanations Comprehensive overview of the AP Statistics exam format Practice questions that reflect both multiple choice and free response question types just like the ones you will see on test day Proven strategies specific to each section of the test BONUS Cross Platform Prep Course for extra practice exams with personalized study plans interactive tests powerful analytics and progress charts flashcards games and more see inside front and back covers for details The 5 Step Plan Step 1 Set up your study plan with three model schedules Step 2 Determine your readiness with an AP style Diagnostic Exam Step 3 Develop the strategies that will give you the edge on test day Step 4 Review the terms and concepts you need to achieve your highest score Step 5 Build your confidence with full length practice exams **Statistics Workbook For Dummies** Deborah Rumsey, 2005-05-27 Presents an introduction to statistics providing information on analyzing and interpreting data knowing where to begin solving problems and more Provided by publisher **AP Statistics Premium, 2024: 9 Practice Tests + Comprehensive Review + Online Practice** Martin Sternstein, 2023-07-04 Always study with the most up to date prep Look for AP Statistics Premium 2025 Prep Book with 9 Practice Tests Comprehensive Review Online Practice ISBN 9781506291987 on sale July 2 2024 Publisher's Note Products purchased from third party sellers are not guaranteed by the publisher for quality

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Table of Contents Quiz 12 1 Ap Statistics Answers

1. Understanding the eBook Quiz 12 1 Ap Statistics Answers
 - The Rise of Digital Reading Quiz 12 1 Ap Statistics Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Quiz 12 1 Ap Statistics Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Quiz 12 1 Ap Statistics Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Quiz 12 1 Ap Statistics Answers

- Personalized Recommendations
- Quiz 12 1 Ap Statistics Answers User Reviews and Ratings
- Quiz 12 1 Ap Statistics Answers and Bestseller Lists
- 5. Accessing Quiz 12 1 Ap Statistics Answers Free and Paid eBooks
 - Quiz 12 1 Ap Statistics Answers Public Domain eBooks
 - Quiz 12 1 Ap Statistics Answers eBook Subscription Services
 - Quiz 12 1 Ap Statistics Answers Budget-Friendly Options
- 6. Navigating Quiz 12 1 Ap Statistics Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Quiz 12 1 Ap Statistics Answers Compatibility with Devices
 - Quiz 12 1 Ap Statistics Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Quiz 12 1 Ap Statistics Answers
 - Highlighting and Note-Taking Quiz 12 1 Ap Statistics Answers
 - Interactive Elements Quiz 12 1 Ap Statistics Answers
- 8. Staying Engaged with Quiz 12 1 Ap Statistics Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Quiz 12 1 Ap Statistics Answers
- 9. Balancing eBooks and Physical Books Quiz 12 1 Ap Statistics Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Quiz 12 1 Ap Statistics Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Quiz 12 1 Ap Statistics Answers
 - Setting Reading Goals Quiz 12 1 Ap Statistics Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Quiz 12 1 Ap Statistics Answers

- Fact-Checking eBook Content of Quiz 12 1 Ap Statistics Answers
- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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