

Chapter III: Answers to the 2007 AP Statistics Exam

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 - Analyzing Your Students' Performance on the Multiple-Choice Section
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Section I: Multiple Choice

Listed below are the correct answers to the multiple-choice questions, the percent of AP students who answered each question correctly by AP grade, and the total percent answering correctly.

Section I Answer Key and Percent Answering Correctly

| Item No. | Correct Answer | Percent Correct by Grade | | | | | Total Percent Correct |
|----------|----------------|--------------------------|----|----|----|----|-----------------------|
| | | 5 | 4 | 3 | 2 | 1 | |
| 1 | C | 89 | 80 | 71 | 65 | 58 | 71 |
| 2 | E | 97 | 93 | 88 | 82 | 70 | 85 |
| 3 | C | 86 | 61 | 38 | 25 | 20 | 42 |
| 4 | A | 93 | 90 | 85 | 77 | 55 | 79 |
| 5 | C | 98 | 96 | 90 | 79 | 49 | 81 |
| 6 | B | 95 | 85 | 76 | 69 | 62 | 76 |
| 7 | D | 98 | 96 | 93 | 90 | 78 | 90 |
| 8 | C | 95 | 84 | 64 | 42 | 21 | 58 |
| 9 | B | 94 | 90 | 85 | 78 | 60 | 80 |
| 10 | C | 98 | 95 | 87 | 76 | 50 | 79 |
| 11 | C | 51 | 40 | 37 | 32 | 23 | 35 |
| 12 | E | 79 | 56 | 40 | 31 | 22 | 42 |
| 13 | D | 98 | 92 | 78 | 60 | 32 | 69 |
| 14 | B | 99 | 97 | 93 | 87 | 71 | 88 |
| 15 | D | 69 | 45 | 30 | 21 | 14 | 32 |
| 16 | E | 87 | 81 | 74 | 67 | 50 | 70 |
| 17 | A | 55 | 33 | 25 | 22 | 19 | 28 |
| 18 | B | 82 | 62 | 47 | 34 | 18 | 45 |
| 19 | B | 69 | 41 | 20 | 10 | 7 | 26 |
| 20 | E | 74 | 48 | 31 | 21 | 15 | 34 |

| Item No. | Correct Answer | Percent Correct by Grade | | | | | Total Percent Correct |
|----------|----------------|--------------------------|----|----|----|----|-----------------------|
| | | 5 | 4 | 3 | 2 | 1 | |
| 21 | D | 73 | 53 | 36 | 23 | 12 | 36 |
| 22 | E | 98 | 95 | 89 | 76 | 40 | 77 |
| 23 | B | 72 | 48 | 32 | 21 | 16 | 35 |
| 24 | D | 87 | 78 | 68 | 60 | 43 | 65 |
| 25 | C | 75 | 53 | 32 | 20 | 16 | 36 |
| 26 | C | 88 | 62 | 37 | 20 | 11 | 39 |
| 27 | B | 63 | 37 | 23 | 15 | 11 | 27 |
| 28 | E | 81 | 61 | 46 | 36 | 24 | 46 |
| 29 | E | 96 | 90 | 79 | 64 | 35 | 70 |
| 30 | B | 90 | 64 | 34 | 15 | 8 | 37 |
| 31 | A | 95 | 85 | 72 | 57 | 34 | 66 |
| 32 | E | 87 | 73 | 62 | 51 | 34 | 59 |
| 33 | B | 92 | 83 | 71 | 59 | 39 | 66 |
| 34 | A | 53 | 35 | 28 | 25 | 22 | 30 |
| 35 | D | 73 | 58 | 48 | 41 | 27 | 47 |
| 36 | D | 79 | 52 | 30 | 19 | 13 | 35 |
| 37 | A | 95 | 86 | 70 | 53 | 32 | 64 |
| 38 | E | 83 | 58 | 33 | 17 | 8 | 36 |
| 39 | A | 50 | 27 | 17 | 13 | 11 | 21 |
| 40 | E | 96 | 84 | 68 | 50 | 27 | 62 |