**Stats Medic AP Statistics Exam Review Course**

**Checklist**

**Unit 1: One Variable Data**

* Watch and take notes on Video 1.1 Types of Displays
* Watch and take notes on Video 1.2 Describing a Distribution
* Complete 2015 Free Response Question #1 and score using video
* Complete Unit 1 Practice Multiple Choice
* Complete and score Unit 1 Practice Free Response Question

**Unit 2: Two Variable Data**

* Watch and take notes on Video 2.1 Describing a Relationship
* Watch and take notes on Video 2.2 Predictions and Residuals
* Complete 2017 Free Response Question #1 and score using video
* Complete Unit 2 Practice Multiple Choice
* Complete and score Unit 2 Practice Free Response Question

**Unit 3: Sampling and Experiments**

* Watch and take notes on Video 3.1 Sampling Methods and Issues
* Watch and take notes on Video 3.2 Experimental Design
* Complete 2016 Free Response Question #3 and score using video
* Complete Unit 3 Practice Multiple Choice
* Complete and score Unit 3 Practice Free Response Question

**Unit 4: Probability**

* Watch and take notes on Video 4.1 General Probability
* Watch and take notes on Video 4.2 Binomial Distributions
* Watch and take notes on Video 4.3 Transforming and Combining Random Variables
* Watch and take notes on Video 4.4 Normal Distribution Calculations
* Complete 2017 Free Response Question #3 and score using video
* Complete Unit 4 Practice Multiple Choice
* Complete and score Unit 4 Practice Free Response Question

**Unit 5: Sampling Distributions**

* Watch and take notes on Video 5.1 Introduction to Sampling Distributions
* Watch and take notes on Video 5.2 Sampling Distributions for One Population
* Watch and take notes on Video 5.3 Sampling Distributions for Two Populations
* Complete 2010 Free Response Question #2 and score using video
* Complete Unit 5 Practice Multiple Choice
* Complete and score Unit 5 Practice Free Response Question

**Unit 6: Confidence Intervals**

* Watch and take notes on Video 6.1 One Sample Confidence Intervals
* Watch and take notes on Video 6.2 Two Sample Confidence Intervals
* Complete 2017 Free Response Question #2 and score using video
* Complete Unit 6 Practice Multiple Choice
* Complete and score Unit 6 Practice Free Response Question

**Unit 7: Significance Tests**

* Watch and take notes on Video 7.1 One Sample Significance Tests
* Watch and take notes on Video 7.2 Two Sample Significance Test
* Watch and take notes on Video 7.3 Difference of Means or Mean of Differences?
* Watch and take notes on Video 7.4 Chi-square Tests
* Watch and take notes on Video 7.5 Inference for Linear Regression
* Watch and take notes on Video 7.6 Type I and Type II Errors + Power
* Complete 2015 Free Response Question #4 and score using video
* Complete 2017 Free Response Question #5 and score using video
* Complete Unit 7 Practice Multiple Choice
* Complete and score Unit 7 Practice Free Response Questions

**Getting Ready for the AP Exam!**

* Watch and take notes on Video: Name That Significance Test
* Watch and take notes on Video: Using Your Calculator on the AP Stats Exam
* Watch and take notes on Video: Know Your AP Stats Formula Sheet
* Watch and take notes on Video: How to CRUSH the AP Stats Free Response
* Watch and take notes on Video: Top 10 AP Stats Exam Tips

**Full Length Practice Exam**

* Complete the Practice Exam Multiple Choice Questions
* Complete the Practice Exam Free Response Questions
* Grade the Practice Exam

**Track your progress**

|  |  |  |  |
| --- | --- | --- | --- |
| **Practice Multiple Choice** | **Score** | **Practice Free Response Question** | **Score** |
| Unit 1 (out of 10) |  | Unit 1 (out of 4) |  |
| Unit 2 (out of 10) |  | Unit 2 (out of 4) |  |
| Unit 3 (out of 10) |  | Unit 3 (out of 4) |  |
| Unit 4 (out of 20) |  | Unit 4 (out of 4) |  |
| Unit 5 (out of 10) |  | Unit 5 (out of 4) |  |
| Unit 6 (out of 20) |  | Unit 6 (out of 4) |  |
| Unit 7 (out of 20) |  | Unit 7 (out of 4) |  |

**Practice Exam**

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| --- |
| Section I: Multiple Choice |

\_\_\_\_\_\_\_\_\_\_\_\_\_ x 1.2500 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number correct Section I Score

(out of 40)

|  |
| --- |
| Section II: Free Response |

Question 1 \_\_\_\_\_\_\_\_\_ x 1.8750 = \_\_\_\_\_\_\_\_\_\_\_

(out of 4)

Question 2 \_\_\_\_\_\_\_\_\_ x 1.8750 = \_\_\_\_\_\_\_\_\_\_\_

(out of 4)

Question 3 \_\_\_\_\_\_\_\_\_ x 1.8750 = \_\_\_\_\_\_\_\_\_\_\_

(out of 4)

Question 4 \_\_\_\_\_\_\_\_\_ x 1.8750 = \_\_\_\_\_\_\_\_\_\_\_

(out of 4)

Question 5 \_\_\_\_\_\_\_\_\_ x 1.8750 = \_\_\_\_\_\_\_\_\_\_\_

(out of 4)

Question 6 \_\_\_\_\_\_\_\_\_ x 3.1250 = \_\_\_\_\_\_\_\_\_\_\_

 (out of 4)

Sum = \_\_\_\_\_\_\_\_\_\_\_

Section II Score

|  |
| --- |
| Composite Score |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Section I Score Section II Score Composite Score