

# AP Statistics Exam Review Course

## Week 1 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

## Week 1 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)	

## Week 2 Checklist

### 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

## Week 2 Track Your Progress

Practice Multiple Choice	Score	Practice Free Response Question	Score
Unit 3 (out of 10)		Unit 3 (out of 4)	
Unit 4 (out of 20)		Unit 4 (out of 4)	

## Week 3 Checklist

### 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

## Week 3 Track Your Progress

Practice Multiple Choice	Score	Practice Free Response Question	Score
Unit 5 (out of 10)		Unit 5 (out of 4)	
Unit 6 (out of 20)		Unit 6 (out of 4)	

## Week 4 Checklist

### 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 Question

### 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

## Week 4 Track Your Progress

Practice Multiple Choice	Score	Practice Free Response Question	Score
Unit 7 (out of 20)		Unit 7 (out of 4)	

# Practice Exam

## Section I: Multiple Choice

$$\frac{\text{Number correct}}{\text{(out of 40)}} \times 1.2500 = \text{Section I Score}$$

## Section II: Free Response

Question 1  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 1.8750 =$  \_\_\_\_\_

Question 2  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 1.8750 =$  \_\_\_\_\_

Question 3  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 1.8750 =$  \_\_\_\_\_

Question 4  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 1.8750 =$  \_\_\_\_\_

Question 5  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 1.8750 =$  \_\_\_\_\_

Question 6  $\frac{\text{Number correct}}{\text{(out of 4)}} \times 3.1250 =$  \_\_\_\_\_

$$\text{Sum} = \frac{\text{Sum of Question Scores}}{\text{Section II Score}}$$

Composite Score	AP Score
70 – 100	5
57 – 69	4
44 – 56	3
33 – 43	2
0 – 32	1

## Composite Score

$$\text{Section I Score} + \text{Section II Score} = \text{Composite Score}$$