

2019-2020 AP STATISTICS SUMMER ASSIGNMENT

Summer Assignment includes:

1. The Practice of Statistics textbook.
2. Reading Chapters 1, 2, and 3
3. Completing Chapters 1, 2, and 3 Homework Problems Set (see below)
4. Completing and handing in selected questions to be graded (see back).



Introduction: Welcome to AP Statistics! Below are the directions for the summer assignment. The purpose of this assignment is to get us off to a strong start by covering the first three chapters of the AP Statistics book. This will ensure that we have sufficient time to cover all of the material in the course and ample time to review for the AP exam. The first three chapters are mostly a review of concepts you have learned in Algebra 2 but you will need to focus on the new AP Statistic vocabulary. Please read these directions carefully about the assignment. We will review these chapters quickly for two weeks in September and you will have an exam afterwards to ensure mastery of these chapters.

Resources/supplies: Our textbook is **The Practice of Statistics (Starnes, Yates, Moore, 6th ed.)**. This textbook is well-aligned to the AP Statistics curriculum and the sample problems and activities will prepare you well for the AP Statistics exam.

- You will need a **TI-84 graphing calculator**.
- I recommend a large 3” binder; since most of our lessons will be on worksheets.

Assignment:

1. **Read Chapter 1 “Data Analysis” starting on page 2.** There are 72 pages in this first chapter, but it is probably the easiest chapter we will cover. Pay careful attention to the examples, the calculator procedures, and the AP Exam tips that are located in the page margins.
 - a. **Do Chapter 1 Review Exercises on pages 83-85 on your notebook.**
 - b. **Do Section I: Multiple Choice on pages 86-87 on your notebook.***Check answers in the back of the book so you familiarize with the AP Statistics vocabulary*
2. **Read Chapter 2 “Modeling Distribution of Data” starting on page 90.** There are 47 pages in this second chapter, but it is probably the 2nd easiest chapter we will cover. Pay careful attention to the examples, the calculator procedures, and the AP Exam tips that are located in the page margins.
 - a. **Do Chapter 2 Review Exercises on pages 147 and 148 on your notebook.**
 - b. **Do Section I: Multiple Choice on pages 148-149 on your notebook.***Check answers in the back of the book so you familiarize with the AP Statistics vocabulary*
3. **Read Chapter 3 “Describing Relationships” starting on page 152.** There are 50 pages in this third chapter, but it is the chapter you have seen the most in Algebra 2. Pay careful attention to the examples, the calculator procedures, and the AP Exam tips that are located in the page margins.
 - a. **Do Chapter 3 Review Exercises on pages 213 and 214 on your notebook.**
 - b. **Do Section I: Multiple Choice on pages 215-216 on your notebook.***Check answers in the back of the book so you familiarize with the AP Statistics vocabulary*

Assignment that will be collected and graded:

Write your answers legibly.

1. Pages 87 and 88 exercise T1.11, T1.12, T1.13, and T1.14
2. Page 150 exercises T2.11, T2.12, and T2.13
3. Page 217 exercises T3.11, T3.12, and T3.13

Use the next three pages or more to complete your work.

Caution about Academic Integrity: DO NOT copy the answers to any assignment from sources you find on the internet, the textbook solutions. Doing so will be considered plagiarism and consequences of such actions will result in zero's.

The textbook gives answers to the odd numbered problems but you need to show all work done to derive the answer; and answers must be in your own words!

Caution! Answers you find on the internet are sometimes incorrect and will often be stated using terminology and techniques that are not specific to the current AP Statistics curriculum. Plus, this will make it easy for me to identify work that is not your own.

*****Due Date and Grading of Summer Assignment:** Summer assignment **must be completed by the first class in September!** I will not accept any late summer assignments so do not wait until the last minute to work on these. Each student will read and learn at a different pace. Some may be able to complete this work in 6-8 hours while others will take 10-12 hours. If you think this work has been extremely challenging remember that the first three chapters are the easiest ones and maybe you should reconsider taking this class.

If you have any questions, please do not email me.

Enjoy Your Summer!
Mr. G

Name: _____

Chapter 1: AP Statistics Practice Test

Section II: Free Response. Show all your work. Indicate clearly the methods you use, because you will be graded on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.

Chapter 2: AP Statistics Practice Test

Section II: Free Response. Show all your work. Indicate clearly the methods you use, because you will be graded on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.

Chapter 3: AP Statistics Practice Test

Section II: Free Response. Show all your work. Indicate clearly the methods you use, because you will be graded on the correctness of your methods as well as on the accuracy and completeness of your results and explanations.