

2020-2021 AP STATISTICS SUMMER ASSIGNMENT

Summer Assignment includes:

1. (required) Sign out The Practice of Statistics text book.
 - **FILL OUT BOOK CARD!!!!**
 - **Cover Book:** This is an expensive book!!! **It MUST be covered at all times!!** Thank you😊
2. (required) Read Chapter 1.
3. (required) Complete Chapter 1 Guided Notes.
4. (optional) Complete Recommended Chapter 1 Homework Problems (problems listed on the next page and space is provided to do problems in the Guided Notes).

Introduction: Welcome to AP Statistics! This is a college level course and my goal is to offer you many different study approaches so **YOU** can determine for yourself what study method(s) work best for you.

Summer Assignment: The purpose of this assignment is to get us off to a strong start by covering the first chapter 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 chapter is mostly a review of concepts you have learned in previous math courses but you will need to focus on the new AP Statistic vocabulary. During the school year, we would normally take about 2 class periods to get this work done. Please **read these directions carefully** and contact me by email at pgroves@brunswick.k12.me.us if you have any questions about the assignment or need clarification about my expectations of the work that you need to do. Also see my web site for additional information on the summer assignment at:

<http://www.brunswick.k12.me.us/pgroves/home/ap-statistics/ap-statistics-summer-assignment/>

Due Date and Grading of Summer Assignment: Summer assignments **must be completed by the first class!** **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 6-9 hours while others will take 10-14 hours.

- **Homework and classwork are 10% of your grade.** The **Summer Assignment** will count as 3 homework grades.
- **Tests are 90% of your grade.** Your **Chapter 1 Test** will be the **second class**. We will likely complete 4 chapters in Quarter 1 so the Chapter 1 Test will count for about 20% of your first quarter grade. I do NOT offer make up tests but do offer test corrections to earn half your points back.

Resources/supplies: Our textbook is **The Practice of Statistics (Starnes, Yates, Moore, 4th ed.)**.

I will refer to this book as **“TPS4e”** throughout the year. 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-84Plus graphing calculator or higher. A limited supply is available in the library. I will be demonstrating problems using the TI84Plus all year and the **TPS4e** textbook clearly explains the calculator commands you will need for AP Stats. For Calculus students that plan to use the TI-89, the TPS4e textbook also clearly explains the AP Stats for your calculator but you will be responsible for teaching yourself how to use this calculator.

I recommend a large 2 ½” binder; since I will provide a large number AP Practice problems and my web site will have additional documents that you may find helpful to print.

Summer Assignment:

1. **Read Chapter 1 “Exploring Data”.** There are 81 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.
2. As you read, **complete the Guided Reading Notes.** These notes will help you focus on the key concepts and new vocabulary. This will be collected and graded.
 - I have posted on my website a Microsoft Word Document for the **Guided Reading Notes** if you would prefer to type your notes.
3. Complete the **Recommended Chapter 1 Homework Problems.**
 - Homework is graded on quality of the work shown. All work must be shown clearly. **Neatness counts!!!!** Skip lines and use white space to make work easy to follow.
 - **NOTE:** 50% of your AP exam score is based on Multiple Choice questions (referred to in the future as MC). 40-50% of my chapter tests will be MC. I have included solutions on my web site to the MC questions in each section for you to review and help you prepare for your Chapter 1 Test. You do NOT need to hand MC but I recommend you seriously do these.
 - I post solutions to all homework on my web site for you to self-correct your work. I recommend you do the problems on your own and then check the posted answers to make corrections. I expect all answers to be correct and work shown neatly and completely (**in your own words**).
 - The following problems are the key concepts covered in this chapter. **Your must do the *’s problems.** The other problems are for you to check your understanding and do not need to be handwritten:
 - 1.1 HW: Page 7 #’s 1, **3***, 7-8
 - 1.1 HW: Page 22 #’s 11, 15, 17*, **19***, 21, **25***, 27-31
 - 1.2 HW: page 42 #’s **37***, 45, 48, 49, **53***, 57, 69-74
 - 1.3 HW: page 70 #’s **79***, 81, 83, 87, 89, **91***, 93, 97, **105***, 107-110
4. For additional resources for checking your understanding, go to my website. There is a section dedicated to the summer assignments. You will find several useful aids, including
 - a. Glossary of Important Terms for Chapter 1
 - b. The AP Stats YouTube Channel – Videos 1-9 are on this chapter.

CAUTION ABOUT ACADEMIC INTEGRITY:

DO NOT copy the answers to any assignment from sources you find on the internet, the textbook solutions, or my posted answers on the web site. Doing so will be considered plagiarism and consequences of such actions will result in zero’s.

Answers must be in your own words! The answers on my web site are meant to check your understanding after you have completed a problem and assist you in making necessary corrections.

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.

Again, if you have any questions, email me.

Enjoy Your Summer! Ms. Groves