

## **AP Statistics Summer Assignment**

Welcome to Advanced Placement Statistics! This course is like no other math class you have taken before because there will be less emphasis on procedural fluency and a greater focus on developing your ability to think, reason, explain, and support. You will see real-world applications on a daily basis, and find the material highly useful and relevant to your life and future career (including, but not limited to, journalism, news broadcasting, sports recruiting, retail, law enforcement, and pharmaceuticals).

Because AP Statistics is a college-level course, this class will challenge you and I will have very high expectations. If you have a solid foundation in Algebra, aren't afraid of being challenged in the way I described, and are interested in seeing math as it relates to your world, this is the class for you! Read on for your summer assignment and get excited for AP Statistics, your soon-to-be favorite math class of all time!!

**Directions:** You will read and take hand-written notes on Chapter 1: Exploring Data in your textbook *The Practices of Statistics (4<sup>th</sup> edition)* by Starnes, Yates, and Moore.

**Expectations:** The notes will be hand-written and thorough. They must also be in your own words. You will not copy another student's notes, nor will you copy whole passages from the text word-for-word. If you feel the need to copy an exact sentence or two from the book, you must put it in quotation marks and cite the source. Help on citing sources can be found here: <https://owl.english.purdue.edu/owl/resource/747/02/>

**Power Points:** <http://www.hopkins.k12.ky.us/webpages/vbrowning/ap.cfm?subpage=1580733>

The power point presentations found at the link posted above are incredible (thank you to Ms. Virginia Browning). I recommend going through them after reading each section to make sure you grasped the main points.

**Practice:** To ensure your understanding of the concepts in Chapter 1, you can visit the textbook website and take a practice quiz ([http://bcs.whfreeman.com/tps4e/#t\\_628644](http://bcs.whfreeman.com/tps4e/#t_628644) ). You will need to register with an email address, but it is free. Once you register and log in, click on the plus sign next to Chapter 1 Exploring Data and then click Chapter 1 – Online Quiz. Note that your results will not be saved. This quiz will help prepare you for the first day of class.

For further practice, I highly recommend that you attempt the “Chapter 1 AP Statistics Practice Test” on page 78-81 in your textbook.

**First Day of Class:** We will have a Chapter 1 Quiz similar to the practice quiz on the textbook website. You will be able to use your notes, so long as you have followed the directions above. The quiz will consist of 10-15 multiple choice questions based upon your reading. You will not be able to use any typed notes, your textbook, or the power point slides printed out. This will count as the first score in the Test category of your grade. The notes will also count as the first homework score in your grade, and will be worth 4 regular assignments.

**Approximate Time for Completion:** 3 – 5 hours