

AP Statistics 2019-2020  
Summer Homework and Information

Teacher Information

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Please feel free to contact me through e-mail over the summer if you have any questions.

Summer Assignment:

**This is due on the first day of class. No exceptions!**

1. Obtain a textbook. I have some you can rent for \$20 cash!

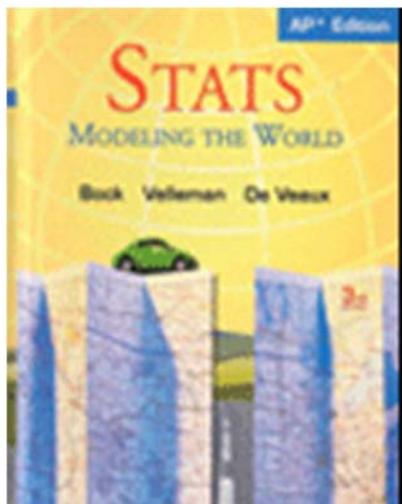
If you use the textbook, you will do well in class! This is the same text we have used for a few years, so you may be able to get a copy from friends. **If you choose to purchase your book online, please allow for shipping time, which is sometimes several weeks.**

The textbook is: Stats: Modeling the World, 3<sup>rd</sup> Edition;  
Bock, Velleman, DeVeaux; Pearson Education 2010  
ISBN-13: 978-0-13-135958-1  
ISBN-10: 0-13-135958-4

**Teacher's Note:**

The text is available New or Used through Amazon. I have had success purchasing books for AP classes at the **BOOK HAVEN** here in Loveland. I will make sure the store has the correct ISBN number if you choose to go that route.

The front of the book looks like this:



The back of the book looks like this:

Please visit us at  
[www.PearsonSchool.com/Advanced](http://www.PearsonSchool.com/Advanced)  
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Double check the ISBN Number to make sure you have the right book.

2. Obtain a graphing calculator to use on a daily basis. We will use a calculator **EVERYDAY** and you will need one for your assignments. **TI-Nspire's are preferred.**  
Knowing how to work problems with your calculator saves time and helps scores on tests.
3. Obtain a binder specific for this class with the following tabs:  
Section I: Exploring Data  
Section II: Sampling and Explanations  
Section III: Anticipating Patterns  
Section IV: Statistical Inference  
Items for Review
4. Read and take notes on the Chapters 1-3 (for understanding, not just for pleasure.) As you read, complete the Just Checking activities. \*Note: Answers to Just Checking can be found at the end of the chapter after the homework. **And the reading is only 35 pages.**
5. Complete the following problems:  
Ch. 2 # 8, 9, 13, 14, 25, 26  
Ch. 3 # 5-8, 11, 13, 20, 21
6. Complete the take-home quiz for Chapter 2 - attached.

1. One of the reasons that the Monitoring the Future (MTF) project was started was “to study changes in the beliefs, attitudes, and behavior of young people in the United States.” Data are collected from 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> graders each year. To get a representative nationwide sample, surveys are given to a randomly selected group of students. In Spring 2004, students were asked about alcohol, illegal drug, and cigarette use. Describe the W’s, if the information is given. If the information is not given, state that it is not specified.

- Who:
- What:
- When:
- Where:
- How:

2. Consider the following part of a data set:

Age (years)	Sex	Only child?	Height (inches)	Weight (pounds)	Credit Hours	GPA	Major
21	Female	Yes	67.00	140.0	16	3.60	animal science
20	Female	No	62.00	130.0	18	3.86	biology
28	Female	No	64.00	188.0	21	3.25	psychology
21	Male	No	65.00	140.0	15	2.95	psychology
24	Female	No	67.00	130.0	20	3.00	anthropology
22	Male	Yes	68.00	135.0	15	2.94	journalism

List the variables in the data set. Indicate whether each variable is treated as categorical or quantitative in this data set. If the variable is quantitative, state the units.