

AP Statistics Summer Assignment 2020 - 2021

Welcome to AP Statistics! This course is comparable in scope to a college-level, semester long introductory class in statistics. All students will take the AP Exam in May. Many schools around the country start their academic year in August. **Which means for the sake of time, it is in your best interests to get a good head start on the course material.**

First of all, every student is **required** to own a graphing calculator:

Calculators

If you have a TI-83 or TI-84 calculator. You're set. If you have a NEWER version of a TI 83 or 84...Even Better!

If you have a TI-89 calculator. You can use TI-89 to perform all the statistical functions necessary for this class. However, this will require downloads from the internet and independent instruction on using the TI-89 calculator. You may either choose to borrow a TI-83 calculator from the school or independently learn how to use the TI-89 for statistical functions.

If you have another type of graphing calculator. It is preferred that you purchase and own a TI-83 or TI-84 calculator. However, a school TI-83 can be loaned to you for use during the school year.

If you do not own a graphing calculator. You need to purchase a TI-83 or TI-84 graphing calculator. In the cases of financial hardship, a school calculator will be loaned to you for use during the school year.

One of those documents, is a scanned packet for all of chapter 1. You are to read all of chapter 1 AND complete the assigned problems.

It might be a good idea to OUTLINE each section and TAKE NOTES on the reading.

ALL ASSIGNED PROBLEMS ARE DUE FRIDAY SEPTEMBER 11th NO EXCEPTIONS!

In addition, your in-class test on chapter one will be administered within the first full week of school. You must make sure that you are comfortable with the material in preparation for this test.

If you have any questions on this assignment or about the course in general, feel free to e-mail me at scodella@pelhamschools.org. I will be checking my e-mail account periodically throughout the summer.

Good luck and look forward to seeing you in September.

Mr. Codella

All exercises should be completed on separate sheets of paper with your name on them and stapled together. GRAPHS SHOULD BE DONE NEATLY ON GRAPH PAPER.

Introduction: Data Analysis: Making Sense of Data

- Read carefully pages 2 – 6
- Do Introduction exercises starting on page 6 # 3, 7, and 8.

Section 1.1 Analyzing Categorical Data

- Read carefully pages 7 – 19
- DO Section 1.1 exercises starting on page 20 #9, 19, 21, 27 - 34

Section 1.2 Displaying Quantitative Data with Graphs

- Read carefully pages 25 – 40
- DO section 1.2 exercises starting on page 41 # 37, 45, 50, 52, 55, 60 , 69 – 74

Section 1.3 Describing Quantitative Data with Numbers

- Read carefully pages 48 – 68
- DO section 1.3 exercises starting on page 69 # 79, 81, 87, 89, 91, 95, 96, 97, 99 , and 107- 110

Look for the document called LEARNING OBJECTIVES CH 1. Make sure you know every topic on this list to be prepared for your chapter 1 test.

MAKE SURE YOU ARE COMFORTABLE DOING THE FOLLOWING TASKS ON YOUR GRAPHING CALCULATOR. Check your calculator manual, visit <https://education.ti.com/en/guidebook/search> for more information, or check YouTube which has many helpful videos.

- Know how to input data into a list
- Know how sort data in a list to ascending and descending order.
- Know how to calculate 1 variable statistics on a set of data in a list...AND know what each value represents.
- Know how to calculate 2 variable statistics on a 2 sets of data in 2 different lists.
- Know how to make and read a histogram on your graphing calculator and understand how to change the graphing window to make an appropriate scale for your graph
- Know how to make and read a modified box plot on your graphing calculator and understand how outliers are calculated.