AP Statistics Summer Assignment

Welcome to AP Statistics! We are looking forward to having you in class this fall.

In this class, you will learn to describe and analyze sets of data and use that analysis to draw conclusions, in context, about the situation that produced the data. **This course is not like any other math class you have ever taken!** It is a combination of Math, English, and Science concepts. Communication skills are essential, and there is much more reading and writing than what you are used to in a math class. It is a very rewarding course and a very important one, but can be quite difficult at times. We are here to help you. 😊

Since it is an AP course, it is considered to be college-level. The mathematics required for this course may not be as difficult as in other advanced math courses, but some of the concepts can be difficult to grasp at first. In addition, there is a great deal of material that we are expected to cover by April’s end, so you need to be committed to giving it your absolute best effort day in and day out. In order to be ready to hit the ground running in September, you have some preliminary work to do.

**Preliminaries:**

1. You must be competent with Algebra I concepts and skills and basic transformations from Geometry. We do some manipulation of equations, but as long as you can solve a system of equations you’ll be fine mathematically. *If you need some review on solving systems of equations, go [here](#) for some practice problems.* Find a video on YouTube to help you refresh.

2. You should be familiar with basic statistical plots such as box-and-whiskers plots, bar graphs, histograms, circle (pie graphs), and stem-and-leaf plots.

3. You must be willing to explain your answers. Just getting the correct number will not be sufficient for this course.

4. **You must own your own calculator and bring it to class everyday!** A TI-84 Plus or TI-Nspire will be an essential tool for this course. If you own a TI-83, TI-89, or Casio you may use them, but most examples in class will be done on an 84 Plus/Nspire. (If you do not have a calculator at home over the summer, stop now and e-mail Ms. Lotter (gwelot@bergen.org). The expectation is that you are doing this assignment with a graphing calculator.)

**Google Classroom**

In order to access the summer assignment, you need to join our Google Class. The code is **si4au1m**. Please navigate to the “Classwork” tab. The summer assignment is posted there.

Please also use Google Classroom to ask questions of each other. You have two great teachers who are wonderful resources, but you also have the Internet and each other. If you’re struggling with a concept, chances are, someone else is struggling with it too and there’s someone else from the class who can explain it. Post your questions on Classroom so a peer can answer. If you find materials that you feel are helpful, ADD THEM to the Stream on Classroom so others can use them too. We’re all in this journey together and it will be much easier if we help each other.

In this class, it is very important to be aware of yourself as a student. The summer assignment is the introduction and first chapter of our textbook. This course requires a LOT of reading, so be prepared to do this all year long. **Please don’t wait until the last week of summer to start this assignment.** There is an introduction and three sections, so we recommend breaking the assignment into smaller manageable pieces. If you find that you can answer the “Check Your Understandings” (CYUs) just by reading the summaries at the end of each section, then don’t spend your time reading material that you already know. If you try to answer the CYUs and don’t understand, then you need to go back and read more thoroughly. Make sure you complete the entire assignment as you are responsible for the material in this assignment.

**THERE WILL BE A QUIZ ON THE FIRST DAY OF CLASS**

(It will be graded).

Please feel free to email either of us at gwelot@bergen.org or soomiy@bergen.org. We will check our email periodically throughout the summer, but remember you can also post questions to each other or us on Google Classroom.

Have a great summer and we’ll see you in September.

Ms. Lotter & Ms. Miyazawa