

AP Statistics

First, welcome to Advanced Placement Statistics. This course is like no other mathematics course in that the emphasis is placed on your ability to think, reason, explain, and support as opposed to performing rudimentary computations.

Second, you should be competent in basic algebra and will need to familiarize yourself with the following topics:

- Descriptive Statistics: Mean, median, mode, variance, standard deviation, range, quartile 1, quartile 3, minimum, and maximum
- Statistical Displays: Box-and-whisker plot, scatter plot, bar graph, histogram, circle (pie) graph, and stem-and-leaf plot
- Elementary Probability & Logic [Note that you may or may not have seen some of these before]

Third, you will need to have your own calculator and be willing to bring it to class every day. Though there are several on the market, it is “highly recommended” you have a Texas Instruments graphing calculator as this is the calculator I will be using in teaching the material.

This course has two objectives:

(1) Help students master the concepts of a college-level statistics course.

(2) Help students prepare for and pass the Advanced Placement Statistics Exam.

This means moving at a quick pace to cover the very challenging curriculum.

Just so you know, all of the students taking AP Statistics have committed to do the following in AP Statistics this year:

- Avoid unexcused absences and do their best to limit excused absences
- Come to class on time and ready to learn EVERY DAY
- Spend at least 30 to 60 minutes working on AP Statistics outside of class each day
- Do homework on time and with care and with the intent to LEARN
- Ask questions when they don't understand something and advocate for their own learning
- Take the AP Statistics exam

Summer Assignment:

1. Visit **www.khanacademy.org/join** and enter your class code **X3EGVHWS**.

Complete the assignments posted here. Check back regularly throughout the summer to see more assignments being posted. All grades will affect your first term grade, so take it seriously!

2. Go to: <https://stattrek.com/tutorials/ap-statistics-tutorial.aspx> and <https://www.youtube.com/playlist?list=PLoGgviqq4845u-QDW3bikMhC4uQsuYDpy> to check out the resources.