

**AP Statistics Summer Assignment
Washington-Liberty High School**

Assignment Due Date: August 26, 2024

Welcome to AP Statistics! This is probably unlike any course that you have taken. It is an applied mathematics class: one in which you will work with real-life data and scenarios. AP Statistics is a combination of Math, English, and Science. 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 course that combines both mathematical and verbal skills. You will be asked to make computations, but the analysis and interpretation of the calculations will carry greater weight than the calculations alone. This is a very rewarding course and a very important one. On the AP exam, you will be asked to write descriptive paragraphs and concluding sentences. You will have to explain the reasoning behind the method you use and your conclusions. Lastly, a graphing calculator such as the TI-84 is an essential tool for this course, as those calculators have many statistical features we take advantage of. It would be a good idea to obtain one if you don't have one already.

The purpose of the summer assignment is to refresh your prior statistical knowledge and skill as well as explore the first unit(exploring one-variable data) of the AP Statistics curriculum by completing Units 1 - 3 in Khan Academy AP/College Statistics Course. All of these skills in the summer assignment are the foundation of the AP Statistics course content and will be used throughout the course. The assignment is due by our first day of class, August 26, 2024. There will also be a quiz on the summer assignment content the second week of classes, Sept 4/5. Please reach out to us should you have any questions. We look forward to working with you on your statistical journey.

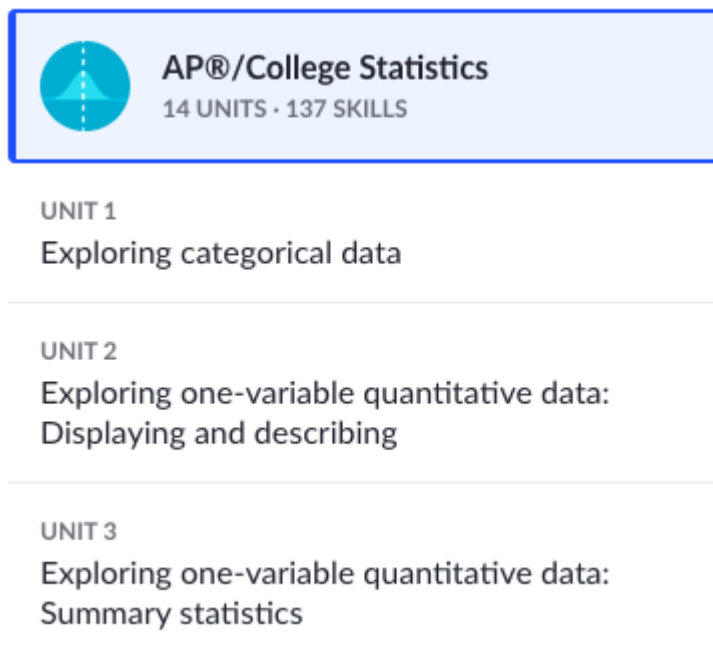
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Statistical Knowledge Foundations - Exploring One-Variable Data

To strengthen your prior statistical knowledge, you will complete Units 1, 2 & 3 in the Khan Academy AP/College Statistics:



The image shows a course card for AP®/College Statistics. It features a blue circular icon with a white mountain-like shape inside. To the right of the icon, the text reads "AP®/College Statistics" and "14 UNITS · 137 SKILLS". Below this, the card is divided into three sections by horizontal lines. The first section is labeled "UNIT 1" and "Exploring categorical data". The second section is labeled "UNIT 2" and "Exploring one-variable quantitative data: Displaying and describing". The third section is labeled "UNIT 3" and "Exploring one-variable quantitative data: Summary statistics".

To access the modules go to: <https://www.khanacademy.org/join/NHW4ZK7U>

Follow prompts to enroll in the course. Use your first and last name to enroll in the course. ***Do not use your student id or a nickname.***

The course code is **NHW4ZK7U**

NOTE: All progress and completion in the modules is recorded electronically and can be viewed by the teachers. Don't panic when you see there are 80 assignments. Many of these are 1-2 minute videos or 4 short questions. There will be a Summer assignment quiz on the Khan Academy topics at the end of the second week of classes, Sept 4 & 5.

That's All for Now - See you August 26!