

AP Statistics Summer Work:

Hello and welcome to AP Statistics! We're excited to have you in this course. This is optional summer work, which is a review of statistics concepts that you have learned about throughout your schooling, all in one place. This summer work has the following learning targets:

Unit 1 Section 1A: Statistics: The Language of Variation

- Identify the individuals and variables in a set of data, and classify the variables as categorical or quantitative
- Make and interpret a frequency table or relative frequency table for a distribution of data.

Unit 1 Section 1B: Displaying and Describing Categorical Data

- Make and interpret bar graphs of categorical data.
- Compare distributions of categorical data.
- Identify what makes some graphs of categorical data misleading

Unit 1 Section 1C: Displaying Quantitative Data with Graphs

- Make and interpret dot plots of quantitative data.
- Describe the shape of a distribution of quantitative data.
- Describe the distribution of a quantitative variable. (SOCV)
- Compare distributions of quantitative data.
- Make and interpret stem plots of quantitative data.
- Make and interpret histograms of quantitative data.

Incoming AP Statistics students should use the link below to access the PDF of Unit 1 of our textbook.

1. **Read and take notes** on each of the sections listed below.
2. **Complete the practice problem sets** that accompany each section.
3. A slide deck presentation has been shared for each section.

The Practice of Statistics, Unit 1 – Exploring One-Variable Data

Read and Take Notes	Practice	Resource
Unit 1 – Introduction: Read pages 2-3		Chapter 1 PDF of Textbook Student Resources by Unit
Section 1A – Statistics: The Language of Variation Read pages 3-8	Section 1A Practice Problems: # 1 – 9 odd (Total of 5 questions)	Section 1A Slides
Section 1B – Displaying and Describing Categorical Data Read pages 10 – 16	Section 1B Practice Problems: # 1 – 19 odd (Total of 10 questions)	Section 1B Slides
Section 1C – Displaying Quantitative Data with Graphs pages 21 – 38	Section 1C Practice Problems: #1 – 45 odd (Total of 23 questions)	Section 1C Slides