

AP Statistics Summer Work
Mrs. Lewis

Welcome to AP Statistics! In AP Statistics, you will be collecting, analyzing, and drawing conclusions from data. You will use technology, investigations, problem solving, and writing throughout the course. Your summer work is going to prepare you for a great start in AP Stats. Please complete your work before the first day of class. Put all of your summer work in your notebook. I will check this on the first day of class and this will be your first grade. I am looking forward to a great 2022-2023 year in AP Statistics!! Enjoy your summer!

Mrs. Lewis

Summer Assignment:

- I. Read Chapter One Introduction (pages 2 – 6) and Section 1.1 Analyzing Categorical Data (pages 7 – 19).
- II. Answer the “Check Your Understanding” on Pages 4 and 18.
- III. Define the following vocabulary words.

Introduction

1. Statistics
2. Individual
3. Variable
4. Categorical variable
5. Quantitative variable
6. Discrete variable
7. Continuous variable
8. Distribution

Section 1.1

9. Frequency table
10. Relative frequency table
11. Bar graph
12. Pie chart
13. Two-way table
14. Marginal relative frequency
15. Joint relative frequency
16. Conditional relative frequency
17. Side-by-side bar graph
18. Segmented bar graph
19. Mosaic plot
20. Association

Section 1.2

21. Dotplot
 22. Symmetric
 23. Skewed distributions
 24. Shape
 25. Center
 26. Variability
 27. Outlier
 28. Stemplot
 29. Histogram
- Section 1.3**
30. Mean
 31. Statistic
 32. Parameter
 33. Resistant
 34. Median
 35. Range
 36. Standard deviation
 37. Variance
 38. Quartiles
 39. First quartile
 40. Third quartile
 41. Interquartile range
 42. Five–number summary
 43. Boxplot