

Statistics is the science of collecting and analyzing data. You may not realize it but statistics is fundamental to how you and everyone else interacts with the world! You might realize that more than ever now as the world discusses COVID-19 and the vital statistics associated with understanding the spread and severity of the global pandemic. Analyzing things like healthcare data, travel data, economic data have become more visible than ever. This class will give you the tools to understand how data should be collected, what makes good data, and how you "correctly" interpret data.

Your summer assignment for AP Statistics is vocabulary. Let me know if you have questions. daidai@longleafschool.com

Vocabulary (Due the first Friday of classes)

Use online resources or print resources to find appropriate statistical definitions of each of the following terms. You may find it helpful to include a picture with some of your definitions. Quizlet is a great place to start!

1. 5-Number summary
2. 68-95-99.7 Rule
3. Area Principle
4. Bar chart (Relative Frequency Bar Chart)
5. Bimodal
6. Categorical Data
7. Categorical data condition
8. Center
9. Conditional distribution
10. Context
11. Contingency table
12. Data
13. Data Table
14. Distribution
15. Dotplot
16. Frequency Table (Relative Frequency Table)
17. Gap
18. Histogram
19. Independence
20. Interquartile Range (IQR)
21. Marginal distribution
22. Mean
23. Median
24. Mode
25. Nearly Normal Condition
26. Normal model
27. Normal percentile

28. Normal probability plot
 29. Outliers
 30. Parameter
 31. Percentage
 32. Pie Chart
 33. Population
 34. Qualitative Variable
 35. Quantitative Variable
 36. Quartile
 37. Range
 38. Rescaling
 39. Resistant measure
 40. Sample
 41. Segmented bar chart
 42. Shape
 43. Shifting
 44. Skewed
 45. Spread
 46. Standard deviation
 47. Standard Normal model
 48. Standardized value
 49. Standardizing
 50. Statistic
 51. Stem-and-leaf display
 52. Symmetric
 53. Tails
 54. Uniform
 55. Unimodal
 56. Units
 57. Variable
 58. Variance
 59. Z-score
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