

## Summer preparation for AP Statistics

AP Statistics covers at-least as much material as a standard first semester of college Statistics.

This course will cover:

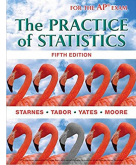
Organizing Data

Producing Data

Probability

Inference

Your text book is *The Practice of Statistics (5<sup>th</sup> ed.)*, by Starnes, Tabor, Yates, & Moore



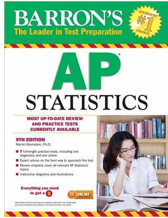
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Please read chapters 1.1, 1.2, & 1.3. Try to work out the following exercises. You will find the answers to the odd numbered exercises in the back of the book. We will discuss any questions that you may have when we meet in August.

Chapter	Page	Assignments
Ch. 1 Introduction	6	1, 3, 5, 7, 8
1.1 Bar Graphs and Pie Charts Graphs: Good and Bad Two-Way Tables and Marginal Distributions, Organizing a Statistical Problem	21	11, 13, 15, 17, 19, 21, 23, 25, 27 - 32
1.2 Dotplots, Describing Shape, Comparing Distributions, Stemplots, Histograms, Using Histograms wisely	41	37, 39, 41, 45, 47, 53, 55, 59, 60, 67, 69 – 74
1.3 Measuring Center: Mean and Median, Comparing Mean and Median, Measuring Spread: IQR, Identifying Outliers  Five-Number Summary and Boxplots, Measuring Spread: Standard Deviation, Choosing Measures of Center and Spread	69	79, 81, 83, 85,  91, 93, 95, 97, 103, 105, 107- 110

**Barron's AP Statistics** is recommended for preparing for the exam.



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**[Barron's AP Statistics, 9th Edition](#)** by Martin Sternstein Ph.D.

We will have to be very efficient with our time in AP Statistics in order to be confident about the exam in May. Come prepared next year to discover, enjoy, and explore many interesting and practical applications of Statistics using the TI 83+/84/84+ graphing calculators and computer programs. Please do not hesitate to phone me at (540)898-1084 or send e-mail to [awilson@fredericksburgacademy.org](mailto:awilson@fredericksburgacademy.org) if you have any questions or need help with your summer review.