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*At Disciplined Minds Tutoring we believe an insatiable curiosity combined with effective habits of mind are crucial to attaining academic success as well as essential life skills. Our four-step approach ensures that our students develop a mastery of the subjects we teach.*

## AP STATISTICS GROUP REVIEW

### GENERAL INFORMATION

#### **3 – week course**

Saturdays 04/28, 05/05, 05/12

10:00 AM - 12:00 PM

#### **Maximum of 8 students / class**

Cost: \$60/class

TEST DATE: Thursday, May 17th, 2018

- **Presentation of Data/ Study Design**
  - Intro to format of exam
  - Qualitative / Categorical Data
  - Quantitative Data
  - Types of Sampling
  - Types of Study Designs
  - Five-number summary
- **Probability**
  - General concepts
  - Calculator Methods
  - z-scores and percentiles
  - Binomial probability
  - Geometric probability
- **Parameter Estimation /Tests**
  - Confidence Intervals
  - Conditions
  - Intro to Significance Tests
  - 1-sample vs. 2-sample
  - z-statistic vs. t-statistic
- **Significance Tests**
  - Inference Toolbox
  - Two-sample z test
  - Two-sample t test
  - Two-proportion z test
  - Chi-squared tests