**AP Statistics Unit 3 Reading Guide** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You should utilize this reading guide to help you identify the important aspects of statistics. Students who take the time to complete this with positive intent will have a deeper understanding of the material and thus are likely to find greater success in this course.

**Set 1**

Population (Define):

Sample (Define):

Census (Define):

Bias (Define):

 Voluntary Response Bias (Define/Example):

 Convenience Sampling Bias (Define/Example):

 Undercoverage (Define/Example):

 Nonresponse (Define/Example):

Randomization (Define):

 Simple Random Sample (Define/Example):

 Stratified Random Sample (Define/Example):

 Systematic Random Sample (Define/Example): Look this up as the book does an ok-ish job on it.

**Set 2**

Experimental Unit (Define/Example):

Subject (Define):

Factor (Define/Example):

Treatment (Define/Example):

Placebo (Define):

Principles of Experimental Design

 Control (Define/Example):

 Randomize

 Replicate (Define):

Statistical Significance (Define):

Advanced Experimentation

 Blind (Define/Example):

 Double-blind (Define/Example):

 Matched Pairs (Define/Example):

 Block (Define/Example):

**Set 3**

Probability Model (Define):

Simulation (Define/Example):