AP Statistics Summer Work 202
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Read <u>Overview: What is Statistics?</u> and complete the following by filling in the blanks and answering the questions. You may also write your responses on your own paper, but please label all questions. This assignment is due the first day of school next year but will not be given a grade. Please email me at <u>morgan.vicki@mail.fcboe.org</u> if you have any questions.

## Read Page 1

1. As you read the first paragraph, I want you to start to look for evidence of statistics in the world around you. Provide one example of a study which utilized statistics. This can be a study that you have read about, heard on the news, seen on twitter, etc. Write three to four sentences describing the study, including the question that was being answered by the study. Also, provide the source of the study.

2. Statistics is the \_\_\_\_\_\_ of learning from data. Data are usually numbers, but they are \_\_\_\_\_ numbers. Data are numbers with \_\_\_\_\_. Find any type of statistical graph from a newspaper or magazine (not internet) and summarize the graph. Write a short paragraph using complete sentences. In particular, discuss the population, sample, variables, and type of graph. Also include any interesting findings from the graph. Please attach your graph to this assignment.

## Read Pages 2-3

3.	3. Data are more than personal experience	es because they				
	describe an picture, rather than focus on					
	about the cell phone and brain cancer studies, provide an exa					
		necessarily your own) that has been refuted by a large scale study. Use complete sentences to explain				
	the scenario.	·				
4.	4. After reading the <i>Are You Kidding?</i> section, <b>provide an examp</b>	<del></del>				
	have provided feedback due to strong feelings about an intera					
	for very positive or very negative feelings. Some examples mig	·				
	questionnaire, rating a representative from 1-4, responding to	an online survey, etc. Please use				
	complete sentences.					
5.	5. The most important information about any statistical study is					
	Only carefully studies produce results					
	<u>Provide 2-3 reasons</u> that a study might not be trustworthy. Ple	ease use complete sentences.				

## Read Pages 4-5

6.	After reading the <i>Do Peop</i> www.gapminder.org link,	le Live Longer in We scroll down to Try O a graph using the we	althier Countries? sec ur Tools ~ Play with th bsite tools. <b>Sketch yo</b>	than a bunch of numbers.  tion, click on the  ne Data and select. Explore the  our graph here (or print if possible	
7.				After reading the <i>Have Most</i> n words. Please use at least 2-3	
8.	Because variation is, conclusions are uncertain. Statistics gives us a for talking about uncertainty that is understood by statistically people everywhere. Our goal this year is for you to become a statistically literate person!!!!!				