Entering Statistics Summer Homework



Name _____

Name _____ Date _____

Statistics Summer Packet

This packet will give you a good head start on the course. There are important terms, formulas, and diagrams for you to practice that will help you feel comfortable at the beginning of the school year.

Material in this packet will be covered during the year assuming that it has been done, so it is important to be familiar with what is inside.

a. Go to www.stattrek.com

b. Click on "AP Statistics" then "AP Tutorial"

c. On the left side of the screen is a list of general topics. Under each general topic are a list of subtopics. You will read the following subtopics to complete the vocabulary list.

Vocabulary List

Please define each of the following terms from the information on the **stattrek** website. Words in **blue** can be clicked on for more information. When asked, provide a unique example or sketch of the word … one NOT given on the website.

This must be HANDWRITTEN. If more space is needed, please use lined paper.

Word	Definition	Example/Formula/Sketch
Categorical Variables		*Example:*
Quantitative Variables		*Example:*
Discrete Variables		*Example:*
Continuous		*Example:*
Univariate Data		*Example:*

Bivariate Data		*Example:*
Population		*Example:*
Sample		*Example:*
Parameter		*Example:*
Statistics		*Example:*
Median		*Formula:*
Mean		*Formula:*
Outlier		*Formula:*

Range		*Formula:*
Variance		*Formula:*
Standard Deviation		*Formula:*
Standard Score (z-score)		*Formula:*
Center		
Spread		
Symmetry		*Sketch:*
Unimodal		*Sketch:*
Bimodal		*Sketch:*

Skewness		*Sketch skewed left and right:*
Uniform		*Sketch:*
Gaps		*Sketch:*
Outliers		*Sketch:*
Dot Plots		*Sketch:*
Bar Chart		*Sketch:*
Histogram		*Sketch:*
Difference between a bar chart and histogram		

Stemplots		
Boxplots		*Sketch:*
Quartiles		
Range		*Formula:*
Interquartile Range		*Formula:*
Four Ways to Describe Data Sets		
Types of Graphs that can be used to for comparing Data		