**1.** Determine if this is an example of probability or statistics:  
Of 100 coin tosses, 50 are likely to be "heads".   
       Probability  
       Statistics

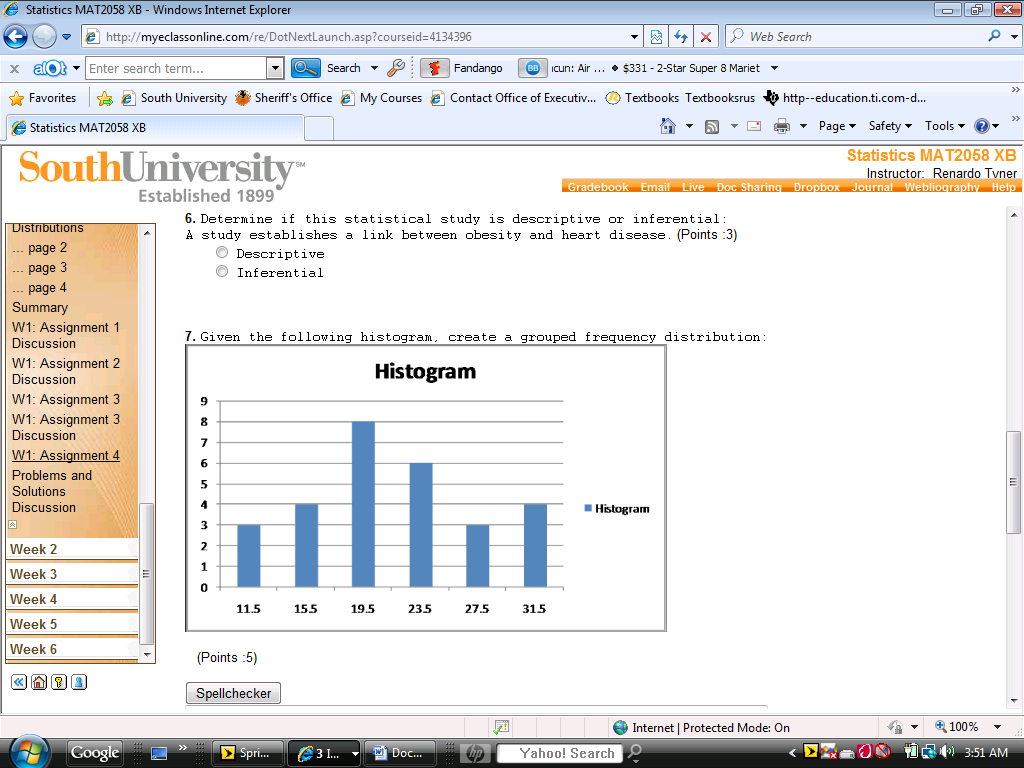
**2.** Determine if this data is qualitative or quantitative:  
State of residence   
       Qualitative  
       Quantitative

**3.** Determine if this study is experimental or observational:  
A survey asks which candidate registered voters prefer. (Points :3)  
       Experimental  
       Observational  
 

**4.** Construct a frequency distribution for the data given below:  
2   6   16   16   12   2   8   15   17   17   3   7   11   2   9   6   13   16   12   11

**5.** Determine if this is an example of a variable or a parameter:  
Weight   
       Variable  
       Parameter  
   
  
  
**6.** Determine if this statistical study is descriptive or inferential:  
A study establishes a link between obesity and heart disease.  
       Descriptive  
       Inferential

**7.** Given the following histogram, create a grouped frequency distribution:



**8.** Identify the sampling technique used to obtain this sample:  
A CDC official selects the first ten US hospitals in an alphabetical listing, and asks them how many flu cases they’ve seen in the last year.   
       random  
       systematic  
       cluster  
       stratified  
       convenience  
   
  
  
**9.** Identify the sampling technique used to obtain this sample:  
As a group of citizens enter a courthouse, a bailiff selects each 5th person for jury duty.   
       random  
       systematic  
       cluster  
       stratified  
       convenience  
 