MAT150.5 Statistics Assignment #1

[www.helpyourmath.com/150.5](http://www.helpyourmath.com/150.5)

**(All data are made up. They are for homework practice only.)**

1. Identify the population and the sample:

a). A survey of 2000 American households found that 99% of the households own a cellphone.

b). A recent survey of 3231 BMCC students found that 85% of the students took MAT150.

c). A survey will be given to 100 students randomly selected from all spring 2018 MAT150.5 sections at BMCC.

1. Determine whether the numerical value is a parameter or a statistic (and explain):

a). The mean income of all subscribers to a particular YouTube channel is $46000. We draw a random sample of 100 subscribers and find that their mean income is $47300.

b). In spring 2018, 10% of 28,000 BMCC students were international students. 20% of those international students were Asian.

1. Categorical or Quantitative? If Quantitative, Continuous or Discrete?

a). Subject of a Free OER textbook?

b). Number of pages in the textbook?

c). The weight of the textbook?

d). Number of letters on a page?

e). Color of the first page?

f). The length of the textbook?

1. Circle the right answer.

a). MAT150.5 - XXXX is using a Free OER textbook this semester.

Is 150.5 Categorical or Quantitative?

b). There are 32 MAT150.5 sections in spring 2018 at BMCC. Is 32 Categorical or Quantitative?