

The quiz will consist of true/false or multiple choice problems covering the material in the specified sections of the text and class notes, plus specific skills as noted below.

1. HISTOGRAMS

Text Sections: 3.1-3.4

In addition to being able to answer general questions on the content of Sections 3.1-3.4 and the class notes, you should:

- Understand what the bars in a histogram tell you about the distribution
- Be able to determine (approximately) the percentage of a population that falls in a given bin or group of bins.

2. DESCRIPTIVE STATISTICS

Text Sections: 4.1-4.7

In addition to being able to answer general questions on the content of Sections 4.1-4.7 and the class notes, given a link to a comma delimited (.csv) file containing data, you should be able to download the file and open it in a spreadsheet, and, for a given column,

- Find the average using the AVERAGE function.
- Find the standard deviation using the STDEV function.
- Find the median using the MEDIAN function.
- Find the interquartile range using the QUARTILE function(s).

3. THE BELL CURVE OR NORMAL DISTRIBUTION

Text Sections: 5.1-5.5

In addition to being able to answer general questions on the content of Sections 5.1-5.5 and the class notes, given the mean and standard deviation of a *population* bell curve for some variable, you should be able to use the NORMDIST function to:

- Determine the percentage of the population below a given value.
- Determine the percentage of the population above a given value.
- Determine the percentage of the population between two given values.
- Determine the percentage of the population either below a given value or above a second given value.

(This quiz will *not* cover bell curves associated with sample means or sample proportions).