Individual Assignment: Exercises From the E-Text

        Resource: *Applied Statistics in Business and Economics*

        Prepare answers to the following exercises from *Applied Statistics in Business and Economics*:

        Chapter 4: Exercises 4.4 Page 125; with modifications.  The following problem is similar to exercise 4.4, but has been modified to include the range and standard deviation.  Do the problem found here in the syllabus, but I list the exercise 4.4 to give you a hint were to look in the text for help.

        Calculate this problem.

**N 4.4** Prof. Hardtack gave four Friday quizzes last semester in his senior tax accounting class.

(a)  Using Excel, find the mean, median, and mode for each quiz. Then also find the Range and Standard deviation (see supplemental notes for week 3).

(b) Do these measures of central tendency agree? Explain.   What could the measures of dispersion tell us about the results of the quiz?

(c) For each data set, note strengths or weaknesses of each statistic of central tendency.

(d) Are the data symmetric or skewed? If skewed, which direction?

 (e) Briefly describe and compare student performance on each quiz.

**Quizzes**

Quiz 1: 60, 60, 60, 60, 71, 73, 74, 75, 88, 99

Quiz 2: 65, 65, 65, 65, 70, 74, 79, 79, 79, 79

Quiz 3: 66, 67, 70, 71, 72, 72, 74, 74, 95, 99

Quiz 4: 10, 49, 70, 80, 85, 88, 90, 93, 97, 98