**ISQA 8160 Exam 3 Due: By Tuesday August 9, 16**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Note:**

1. Answer sheet only must be provided in a word file and **the hard copy** must be submitted in class.
2. Excel file name should be your last name (One problem per sheet) and must be submitted via BB.
3. SPSS output should be converted to a PDF file if it is applicable. You may use a Zip. Folder if you have more than one file.
4. Make you own space to write please.

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**Note:** State your hypothesis. Report your p. Value, decision, and conclusion that anyone without the knowledge of Stats can understand your report.

Assume a=0.05 if it is not given.

**4.1:** Problem #7 on p. 196

**4.2:** Problem #4 on p. 216.Perform pairwise comparison for Population proportions. Note: The population must be in the columns for SPSS.

**4.3:** Problem #1 on p. 226. Perform pairwise comparison for Population Medians. The population must be in the columns for SPSS.

**4.4:** Problem #1 on p. 237

**4.5:** Problem #1 on p. 249.

a. Do test of Uniform and Normal distribution

b. Using Descriptive Statistics, Explore in SPSS perform K-S test (Lilliefors test) and Shapiro Wilk test for Normality.

**4.6:** Problem #1 on p. 256.