STATISTICS 642 - ASSIGNMENT 7 - Summer 2015

DUE DATE: NOON, July 24 Friday

Name (**Typed**) _____

Email Address (**Typed**) _____

HOMEWORK #7: DUE Noon, Friday July 24, 2015

- Read Handouts 10, 11, & 12 and Chapters 8,9.1-9.4,12, 14-17 in the textbook.

- Please submit for grading the following problems:

Problem I. (15 points) In Problem 1 in Chapter 12 in the textbook, answer questions a. through e. for

  a. Design - 2^{6-2}
  a. Design - 2^{7-3}
  a. Design - 2^{7-4}

Problem II. (15 points) Construct a Resolution IV design that is a $\frac{1}{8}$ fraction of a 2^7 factorial. Make sure to provide your design generators and a list of the treatments to be used in the experiment.

Problem III. (15 points) Problem 12.6 in the textbook.

Problem IV. (15 points) Problem 12.11 in the textbook.

Problem V. (20 points) Use the data in Problem 16.2 to answer the follow questions:

  i. Do part c. in the textbook.
  ii. Do part d. in the textbook.

Problem VI. (20 points) Use the data in Problem 17.1 to answer the follow questions:

  i. Do part b. in the textbook.
  ii. Do part c. in the textbook.
  iii. Do part d. in the textbook.
  iv. Do part f. in the textbook.