



DEPARTMENT OF MATHEMATICS (OU)

ISE 3293

Assignment 3

Due: 1.00pm Fri June 3, 2016

How many questions did you complete (a completed question means that all the sub parts were done)? Write your answer as a fraction of the total number of questions **on the very top of your assignment: Example 10/16**

Please answer all questions. Remember this assignment is worth 5% and is your third assignment for the course. Make sure that you place all answers and output into a word document and store in a safe area till finished, all working must be shown in the assignment answers. Keep a file (from Tinn-R or RStudio) with all your **R** code in – use #Q1 etc to divide off questions. All statistical computing is to be done in **R**, please note that **MS**=Mendenhall and Sincich, *STATISTICS for science and engineering* 6th edition. You will need to convert the .xls files into comma delimited files .csv in excel and use `read.table(..., header=TRUE, sep=",")` to read them into **R**.

You will be asked a subset of these questions for your assessment – any questions not done could cost you lots in points.

You must store your working in a safe place with your assignment answers so that you can retrieve them for the assessment! You could use one drive, google drive or a memory stick if you wish.

PLEASE NOTE: IF THERE IS NO REQUIREMENT TO USE R THEN DON'T USE IT. THE ANSWERS SHOULD CONTAIN NO R CODE!

Place the following files in the dropbox before 1.00pm Fri June 3.

1. Text file containing all the R commands used to generate answers, FILE SHOULD HAVE EXTENSION “.txt”.
2. pdf file of the answers.

I do not want a massive file for this assignment (make it less than 6 MB) – **the answers only (With appropriate working) in the pdf and the code that produced them in a different file.**

1. MS 5.54 - pg 215
2. MS 5.56 - pg 215
3. MS 5.60 - pg 216
4. MS 5.74 - pg 219
5. MS 5.84 - pg 223
6. MS 5.114 - pg 223
7. MS 6.2 - pg 239
8. MS 6.4 - pg 240
9. MS 6.12 - pg 244
10. MS 6.14 - pg 245
11. MS 6.51 - pg 253
12. MS 6.74 - pg 269
13. MS 6.90 - pg 273
14. MS 7.108 - pg 362
15. MS 7.114 - pg 364
16. MS 7.116 - pg 364