Course Outline: Intermediate Statistical Analysis/Basic Applied Statistics: Statistics 960:384 and 960: 484:

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                Office Hours: Tuesday 1:00-3:00

Text: Devore, J.L., Probrbility and Statistics for Engineering and the Sciences, 7th Ed, Duxbury Press

Topics and Assignments:
-Point Estimation: Chapter 6:
  (6.1) #1, 3, 5, 7,9.
-Confidence Interval Estimation: Chapter 7:
  (7.1) # 1, 3, 5, 7,9. (7.2) # 13, 15, 17, 19, 21, 23.
  (7.3) # 29, 30, 33, 35,37. (7.4) # 43, 45.
-Hypothesis Testing- One Sample: Chapter 8
  (8.1) # 1, 3, 5, 7, 9, 11,13. (8.2) # 15, 17, 19, 21, 23, 25, 29.
  (8.3) # 35, 37, 39, 41, 43. (8.4) # 45, 47, 49, 51, 53,55.
-Hypothesis Testing- Two Sample: Chapter 9:
  (9.1) # 1, 3, 5, 7, 9, 11,13. (9.2) # 17, 19, 21, 23, 25, 33, 35.
  (9.3) # 37, 39, 41, 43. (9.4) # 47, 49, 51, 53, 55. (9.5) # 57, 59, 61, 63.
-Non-Parametric Inference: Chapter 15:
  (15.1) # 1, 3, 5, 7. (15.2) # 11, 13, 15.
-Analysis of Variance: Chapters 10 and 11:
  (10.1) # 1, 3, 5, 7, 9. (10.2) # 11, 13, 15, 17, 19, 21. (10.3) # 23, 25, 27.
  (11.1) # 1, 3, 5, 7. (11.2) # 17, 19, 21.
-Regression Analysis: Chapter 12:
  (12.1) # 1, 3, 5, 7, 9,11. (12.2) # 13, 15, 17, 19, 21. (12.3) # 31, 33, 35, 37.
  (12.4) # 45, 47, 49. (12.5) # 57, 59, 61, 63.
-Analysis of Categorical Data, Chapter 14:
  (14.1) # 1, 3, 5, 7, 9. (14.2) # 13, 15, 17. (14.3) # 25, 27, 29, 31.

5 Computer Assignments: (To be handed in)
#1: Sec 8.2, problem 32a.	Due Date: Thurs., Oct. 11
#2 Sec 9.2, problem 28 and Sec.9.3 problem 40.	Due Date: Mon.., Oct. 22**(correction)
#3: Sec 10.1, problem 6 and Sec 10.2, problem 15.	Due Date: Mon.., Nov.12
#4: Sec 11.2, problem 17.	Due Date: Mon, Nov. 26
#5: Sec 12.2, problem 16.	Due Date: Mon., Dec 3

NOTE: Use SPSS unless you are given permission to do otherwise