Statistics 3: Linear Models and Linear Regression

Prerequisites: Statistics I and II; Probability I and II; Linear/Matrix Algebra; Proficiency in using R Statistical Software

References

1. CR Rao: *Linear Statistical Inference and its Applications*, Wiley (1973)

2. SR Searle: *Linear Models*, Wiley (1971)

3. R Christensen: *Linear Models*, Marcel-Dekker (1983)

4. R Rao and P Bhimasankaram: *Linear Algebra*, 2nd edition, Hindustan Book Agency (2000)

5. R Bapat: *Linear Algebra and Linear Models*, Hindustan Book Agency (1999)

Grading (Tentative): 20 marks for assignments; 20 marks each for two class tests; 40 marks for the final exam

Lectures: Online lectures will be on Zoom; Time: Monday, Wednesday, Friday, 2-3 pm

Lecture Notes: Lecture notes will be posted on Moodle. Attempt will be made to post recording of lectures on Moodle too

Assignments: Assignments will also be posted on Moodle. Answers to these must be submitted by uploading to Moodle.

For any contingency, you may contact me at

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