

960:582 Methods of Statistical Inference

Instructor: Harold Sackrowitz

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Text: Introduction to Mathematical Statistics – Hogg, McKean and Craig

Learning Goals: Students will learn the fundamentals of statistical theory. They will learn the principles and properties on which sound statistical procedures are based. In particular, they will be prepared to apply these concepts in the construction of statistical procedures.

Topics: The course is intended to cover a variety of topics from Chapters 6, 7 and 8. These will include maximum likelihood methods, sufficiency, completeness, minimum variance unbiased estimation, Bayes estimation and hypothesis testing.

Grading: There will be a midterm and a final each worth 50% of the grade.