

Text: Statistical Inference, by George Casella and Roger Berger.

Outline

1. Review of probability.
2. Important Discrete Distributions.
3. Important Continuous distributions.
4. Transformations, multivariate distributions.
5. Data reduction. Sufficiency.
6. Parametric Models
7. Estimation
8. Testing.
9. Regression.
10. Analysis of Variance.
11. Linear Modeling
12. Optimization.