

STAT 0431 (Sc.)- Statistical Inference: Theory of estimation- MSE & standard error of an estimator, unbiasedness, minimum variance, method of maximum likelihood estimation (MLE), method of moments; Testing of hypothesis- Fundamentals of hypothesis testing, test under normal set-up for a single mean and variance, the equality of two means and two variances; Outline of analysis of variance (ANOVA) tests in one-way classified data & two-way classified data (single observation per cell).