STAT 642 Course Learning Outcomes

Steps in Designing a Study / Experiment
Analysis of data from a designed experiment
Checking necessary assumptions in the analysis of data from a designed experiment
Fixed and Random effects
Analysis of Variance (AOV)
Factors - Crossed and Nested
Contrasts
Multiple comparison
Variance components
Fractional factorials
Blocking designs
Split Plots designs
Repeated Measures designs
Crossover designs