

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