Review for Final Exam
Stat II 20311

Multiple-choice questions

Excel outputs of ANOVA and linear regression

ANOVA

(a) Completely randomized design
   a. Manually compute ANOVA table
   b. Hypothesis testing
(b) Randomized block design
   a. Reconstruct ANOVA table
   b. Hypothesis testing about Factor and Block effect
(c) Factorial design
   a. Reconstruct ANOVA table
   b. Hypothesis testing about effect of Factor A, Factor B and interaction between them

Regression

(a) Regression equation
   a. Slope and intercept and their interpretation
   b. Regression equation
   c. Prediction
(b) Variation Measurement
   a. Coefficient of determination
   b. Sample correlation coefficient
   c. Standard error of estimate, standard error of slope
   d. And their meanings
(c) Inference about slope
   a. F test
   b. t test