

STAT 368 - Assignment 2 - due date is on course outline

1. 4-1 in the text. Return to this question after we have studied §5-3.6, 5-3.7 and carry out a test for non-additivity.
2. 4-19. (Look carefully at the residuals. Try a transformation, if necessary.)
3. 4-31. (If the additive effects are significant, use Tukey's method to compare them.)
4. 4-36.
5. In the BIBD for the hardness testing example (Lecture 13), show that the LSE of τ_1 is unbiased.
6. 5-1. Part (c) of this question should be approached in two ways - once by looking at interaction plots, and once by using an appropriate technique to compare all nine of the cell means.
7. 5-26.