- 1. Chapter 11, Section 11.1, Exercise 10
- (a) Tests
- (Factor A = Batch) (1) $H_0: \sigma_A^2 = 0$ vs. $H_a: \sigma_A^2 \neq 0$
 - (2) F=7.22 ⊗
 - (3) P-value <.0005 \otimes
 - (4) Reject H₀. ⊗
- (Factor B = Method) (1) H_0 : $\beta_1 = \beta_2 = \beta_3 = 0$ vs. H_a : H_0 is false.
 - (2) F=8.69
 - (3) P-value =.002
 - (4) Reject H₀.
- (b) Estimate of σ_{A}^{2} = (9.644 1.336)/3 = 2.7693 \otimes
- (c) $100*[2.7693/(2.7693+1.336)] = 67\% \otimes$

B method is NOT random