Komewark 3

Questia 4

ANOVA model:

yij = /4+ 0; + eij eij id N(0,00)

B Best

U Unbrased

E Estimator

L linear

Mis the overall mean

di is the it element

Cij pre the break terms

E[yij] = M+ 0, j=1 -- 5

The first estimeter for 1+1, is sample more

Men of group) 1/0 = = \frac{1}{5} \sum_{ij}.

Since & y; are the indipendent and narmely distributed. Compute mean

and variance of y.

E[y_1] = 1 5 E(y_1;) 0

= = 5 x 3(\(\mu + \alpha \) = \(\mu + \alpha \).

Variace: Van(910)= 1 52 Evan (915)

= 1 × 5 6 = 5 / 5

Ø 51. ~ N (p+ x, , 5)