

CASE 1

	A	B	C
	48	47	49
	49	49	51
	50	48	50
	49	48	50
$\Sigma$	196	192	200
$\bar{y}$	49	48	50

SV	SS	df	MS
BET	8	$k-1$ 2	4
WIT	6	$k(n-1)$ 9	0.67
TOTAL	14	$n-1$ 11	

$F_t = F(0.05, 2, 9) = 4.26$

$F_{emp} = 5.97 > F_t = 4.26$

$R^2 = \frac{SS_{exp}}{SST} = 0.57$  (medium/high) The effect probably exists.

SCHEFFÉ:

$|\bar{y}_A - \bar{y}_B| = |49 - 48| = 1 < 1.69 - H_0$

$\bar{y}_B - \bar{y}_C = |48 - 50| = 2 > 1.69 - H_0$

$\bar{y}_A - \bar{y}_C = |49 - 50| = 1 < 1.69 - H_0$

A	B	C
-1	+1	0

$\sqrt{(k-1) \cdot F_{\alpha, k-1, (n-1)k}} \sqrt{MSe \frac{\Sigma a^2}{n}} = \sqrt{2 \cdot 4.26} \sqrt{0.67 \cdot \frac{2}{4}} = \sqrt{8.52} \cdot \sqrt{0.335} =$

$= 2.92 \cdot 0.58 = 1.69$

Between groups B and C