

Source	SS^*	df	MS	F
Between				
Factor A	*	$a - 1$	$\frac{SS_A}{df_A}$	$\frac{MS_A}{MS_{\text{within(error)}}$
Factor B	*	$b - 1$	$\frac{SS_B}{df_B}$	$\frac{MS_B}{MS_{\text{within(error)}}$
A \times B interaction	*	$(a - 1)$ $(b - 1)$	$\frac{SS_{A \times B}}{df_{A \times B}}$	$\frac{MS_{A \times B}}{MS_{\text{within(error)}}$
Within (error)	*	$N - (a)(b)$	$\frac{SS_{\text{within(error)}}}{df_{\text{within(error)}}$	
Total	*	$N - 1$		