

Table 12.10

Formulas for df , MS , and F for a Two-Way Independent Samples ANOVA

Source	SS	df	MS	F
Between	39.375			
Studying method (A)	3.125	$a - 1$	$\frac{SS_A}{df_A}$	$\frac{MS_A}{MS_{\text{within(error)}}$
Time delay (B)	21.125	$b - 1$	$\frac{SS_B}{df_B}$	$\frac{MS_B}{MS_{\text{within(error)}}$
Studying Method \times Time Delay (A \times B)	15.125	$(a - 1)(b - 1)$	$\frac{SS_{A \times B}}{df_{A \times B}}$	$\frac{MS_{A \times B}}{MS_{\text{within(error)}}$
Within (error)	93.500	$N - (a)(b)$	$\frac{SS_{\text{within(error)}}}{df_{\text{within(error)}}$	
Total	132.875	$N - 1$		