

TABLE 12.2

Between-Groups and Within-Groups Variability for the One-Way Between-Subjects ANOVA

Type of Class		
Psychology	Sociology	Biology
5	3	4
2	2	6
4	6	5
3	5	4
1	4	6
$M_1 = 3$	$M_2 = 4$	$M_3 = 5$

Within-groups variability

Between-groups variability

Between-groups variability is attributed to differences between group means. Within-groups variability is attributed to variability that has nothing to do with having different groups.