

**Table 2.2** Example Effects of Imperfect Reliability

<i>Reliability Estimate</i>	<i>True Correlation Coefficient</i>		
	$\rho = 0.30$ (0.09)	$\rho = 0.50$ (0.25)	$\rho = 0.70$ (0.49)
0.90	0.27 (0.07)	0.45 (0.20)	0.63 (0.39)
0.80	0.24 (0.06)	0.40 (0.16)	0.56 (0.31)
0.70	0.29 (0.04)	0.35 (0.12)	0.49 (0.24)
0.60	0.18 (0.03)	0.30 (0.09)	0.42 (0.18)

NOTE: Reliability estimates for this example assume the same reliability for both variables. Percent variance accounted for (shared variance, or coefficient of determination) is shown in parentheses.