

**Table 16.1** Example Disattenuation of Simple Correlation Coefficients

	<i>Observed Correlation Coefficient</i>					
<i>Reliability Estimate</i> ( $\alpha$ )	<i>r</i> = 0.10 (0.01)	<i>r</i> = 0.20 (0.04)	<i>r</i> = 0.30 (0.09)	<i>r</i> = 0.40 (0.16)	<i>r</i> = 0.50 (0.25)	<i>r</i> = 0.60 (0.36)
0.95	0.11 (0.01)	0.21 (0.04)	0.32 (0.10)	0.42 (0.18)	0.53 (0.28)	0.63 (0.40)
0.90	0.11 (0.01)	0.22 (0.05)	0.33 (0.11)	0.44 (0.19)	0.56 (0.31)	0.67 (0.45)
0.85	0.12 (0.01)	0.24 (0.06)	0.35 (0.12)	0.47 (0.22)	0.59 (0.35)	0.71 (0.50)
0.80	0.13 (0.02)	0.25 (0.06)	0.38 (0.14)	0.50 (0.25)	0.63 (0.39)	0.75 (0.56)
0.75	0.13 (0.02)	0.27 (0.07)	0.40 (0.16)	0.53 (0.28)	0.67 (0.45)	0.80 (0.64)
0.70	0.14 (0.02)	0.29 (0.08)	0.43 (0.18)	0.57 (0.32)	0.71 (0.50)	0.86 (0.74)
0.65	0.15 (0.02)	0.31 (0.10)	0.46 (0.21)	0.62 (0.38)	0.77 (0.59)	0.92 (0.85)
0.60	0.17 (0.03)	0.33 (0.11)	0.50 (0.25)	0.67 (0.45)	0.83 (0.69)	—

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