

Table. Predicted and Observed Power Rates

Effect Size		Test	Sample Size				
a	β		50	100	200	500	1000
.14	.14	Predicted \underline{z}	0.1007	0.1629	0.2848	0.5980	0.8783
		Observed \underline{z}	0.0041 +	0.0184 +	0.0918 +	0.5818	0.9694
		Predicted M	0.1500	0.3500	0.6500	0.9750	0.9995
		Observed M	0.2063	0.3882	0.6865	0.9796	0.9999
.14	.39	Predicted \underline{z}	0.1473	0.2558	0.4576	0.8365	0.9862
		Observed \underline{z}	0.0430 +	0.1652	0.4452	0.8649	0.9924
		Predicted M	0.5000	0.7500	0.9250	0.9975	0.9995
		Observed M	0.5476	0.8037	0.9511	0.9983	1.0000
.14	.59	Predicted \underline{z}	0.1546	0.2703	0.4827	0.8599	0.9904
		Observed \underline{z}	0.0966	0.2415	0.4809	0.8683	0.9930
		Predicted M	0.6500	0.8000	0.9500	0.9995	0.9995
		Observed M	0.7166	0.8844	0.9659	0.9988	1.0000
.39	.39	Predicted \underline{z}	0.4763	0.7737	0.9723	1.0000	1.0000
		Observed \underline{z}	0.3457	0.8655	0.9987	1.0000	1.0000
		Predicted M	0.9000	0.9925	0.9995	0.9995	0.9995
		Observed M	0.9218	0.9981	1.0000	1.0000	1.0000
.39	.59	Predicted \underline{z}	0.6129	0.8954	0.9955	1.0000	1.0000
		Observed \underline{z}	0.6192	0.9541	0.9996	1.0000	1.0000
		Predicted M	0.9750	0.9995	0.9995	0.9995	0.9995
		Observed M	0.9799	0.9997	1.0000	1.0000	1.0000
.59	.59	Predicted \underline{z}	0.8199	0.9846	1.0000	1.0000	1.0000
		Observed \underline{z}	0.9057	0.9998	1.0000	1.0000	1.0000
		Predicted M	0.9900	0.9995	0.9995	0.9995	0.9995
		Observed M	0.9993	1.0000	1.0000	1.0000	1.0000

Note. Predicted \underline{z} is the expected power from the normal curve. Observed \underline{z} tests $\hat{a}\hat{b} / \hat{s}_{ab}$ against the normal curve. Predicted M codes the tests based on values in Meeker et al. (1981). Values greater than .9995 were rounded to 1.000. + indicates an Observed power rate less than half the size of predicted power.