

Supplement

Supplementary Table 1

Lilliefors test results for experiment 1

Dependent Variable	Accuracy D	Accuracy <i>p</i>	Median RT D	Median RT <i>p</i>	Standard- deviation RT D	Standard- deviation RT <i>p</i>
Incongruent, No Noise	0.29	0.006**	0.171	0.428	0.25	0.037*
Congruent, No Noise	0.305	0.003**	0.127	0.859	0.25	0.036*
Incongruent, White Noise	0.254	0.032*	0.118	0.915	0.222	0.104
Congruent, White Noise	0.226	0.092	0.218	0.12	0.204	0.183

Note: D represents the maximal absolute difference between the empirical data distribution and the normal distribution. If the p-value is below the critical alpha level, the hypothesis of normality has to be rejected. * indicates $p < .05$, ** indicates $p < .01$.

Supplementary Table 2

Lilliefors test results for experiment 2

Block	Response	D	<i>p</i>
Baseline	0	0.538	0**
	1	0.164	0.172
	2	0.167	0.151
Noise 1	0	0.451	0**
	1	0.206	0.025*
	2	0.183	0.076
Noise 2	0	0.538	0**
	1	0.19	0.058
	2	0.182	0.08
Noise 3	0	0.463	0**
	1	0.254	0.001**
	2	0.287	0**
Noise 4	0	0.508	0**
	1	0.234	0.005**
	2	0.224	0.01**
Noise 5	0	0.509	0**
	1	0.171	0.128
	2	0.198	0.039*
Noise 6	0	0.524	0**
	1	0.129	0.517
	2	0.136	0.436
Noise 7	0	0.464	0**

Block	Response	D	p
	1	0.247	0.002**
	2	0.258	0.001**

Note: D represents the maximal absolute difference between the empirical data distribution and the normal distribution. If the p-value is below the critical alpha level, the hypothesis of normality has to be rejected. * indicates $p < .05$, ** indicates $p < .01$.