

Table 1

Linear Mixed Effects Model Predicting Cognitive Performance During the Numerical Stroop Task

Model information	Number of Observations	Fixed effects coefficients	Random effects coefficients	Covariance parameters			
	6336	16	264	5			
	AIC	BIC	Log Likelihood	Deviance			
	22836	22978	-11397	22794			
					95% CI		
Fixed effects predictors	β	SD	<i>t</i>	DF	<i>p</i>	LL	UL
Intercept	4.84	0.10	47.67	6320	<.001	4.64	5.04
Trial number	0.19	0.02	10.40	6320	<.001	0.15	0.22
Incentives	0.03	0.02	1.85	6320	.06	-0.002	0.07
Difficulty	-1.05	0.02	-58.32	6320	<.001	-1.08	-1.02
Label	0.21	0.10	2.13	6320	.04	0.01	0.41
Drink	-0.002	0.10	-0.02	6320	.98	-0.20	0.19
Trial number by Incentives	0.01	0.02	0.48	6320	.63	-0.03	0.04
Trial number by Difficulty	-0.04	0.02	-2.11	6320	.03	-0.07	-0.003
Incentives by Difficulty	0.02	0.02	1.34	6320	.18	-0.01	0.06
Trial number by Label	0.01	0.02	0.61	6320	.55	-0.02	0.04
Incentives by Label	0.05	0.02	3.02	6320	.002	0.02	0.09
Difficulty by Label	-0.07	0.02	-4.13	6320	<.001	-0.11	-0.04
Trial number by Drink	0.01	0.02	0.70	6320	.49	-0.02	0.05
Incentives by Drink	-0.003	0.02	-0.19	6320	.83	-0.04	0.03
Difficulty by Drink	-0.01	0.02	-0.63	6320	.53	-0.05	0.02
Label by Drink	-0.03	0.10	-0.33	6320	.74	-0.23	0.16
Random effects covariance parameters		95% CI					
Subject (88 Levels)		β	LL	UL			
Intercept		0.93	0.81	1.1			
Incentives		0.02	0.003	0.13			
Error		β	LL	UL			
Residual		1.43	1.41	1.45			

Note: CI = confidence interval, LL = lower limit, UL = upper limit, DF = degrees of freedom, SD = standard deviation