

Supplementary Table S3. Fixed effects of the mixed nonlinear regression. The 95% confidence intervals of the parameter values were obtained through bootstrapping ($n=2000$). The goodness of fit of the model are described by the Akaike Information Criterion (AIC), the Bayesian Information Criterion (BIC), the Log Likelihood, and the proportion of variance explained by both the fixed and random factors (conditional R^2). Note that for A' and k' the log-transform was fitted.

		Fixed factor			Age dependent factor		
		Name	Estimate	95%CI	Name	Estimate	95%CI
Parameters	Choice delay limit (A')	β_{A0}	0.189	0.15 – 0.27	β_{A1}	-0.027	-0.05– -0.001
	Sensitivity (k')	β_{k0}	1.558	1.39 –1.66	β_{k1}	0.076	0.004–0.16
	Residual time (t_R)	β_{tR0}	1.031	1.03 –1.08	β_{tR1}	-0.048	-0.06– -0.04
Goodness of fit							
AIC	BIC	Log Likelihood		Conditional R2			
-547.2	-514.2	286.6		0.86			