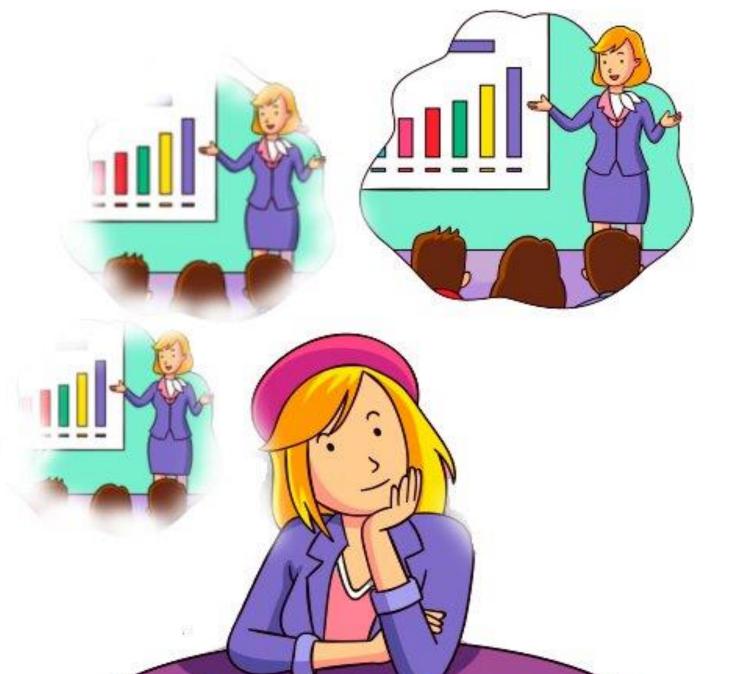
Repeated imagination of a future event increases our belief that it will happen in the future, but only for uncertain events

Repeated simulation increases belief in the future occurrence of uncertain events

Claudia Garcia Jimenez, Giuliana Mazzoni, & Arnaud D'Argembeau

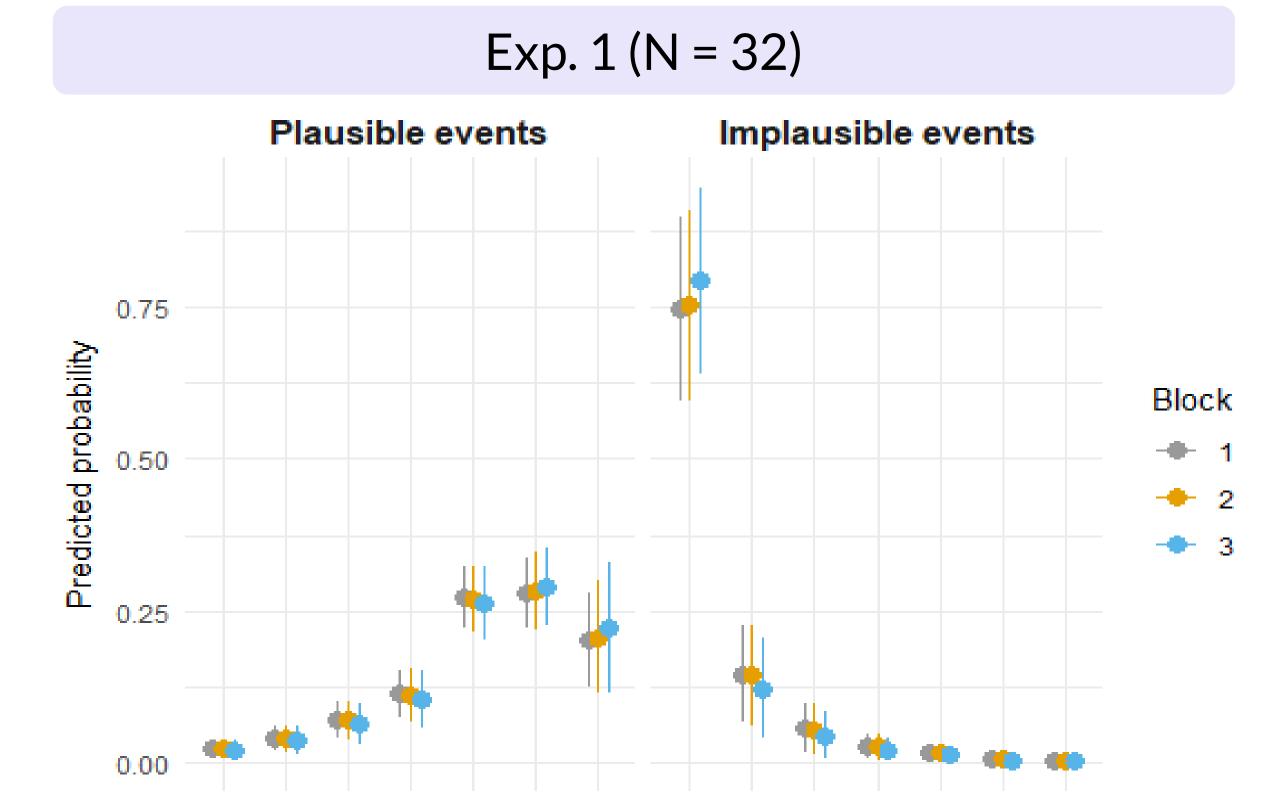


Belief in future occurrence plays a key role in guiding

our decisions and actions

This belief may increase with repeated simulation

This increase may be



Participants repeatedly (3 x 15 sec) imagined future events holding different levels of integration with autobiographical knowledge conditioned by the consistency of the event with autobiographical knowledge

- All types of events became more detailed and took less time to construct
- But belief increased only for uncertain events events already believed in or considered implausible were not influenced by repetition

Autobiographical knowledge plays a major role in determining belief in future occurrence, not only as a predictor of the initial belief in novel future events, but also as a modulating factor in the evolution of belief over repeated simulation.

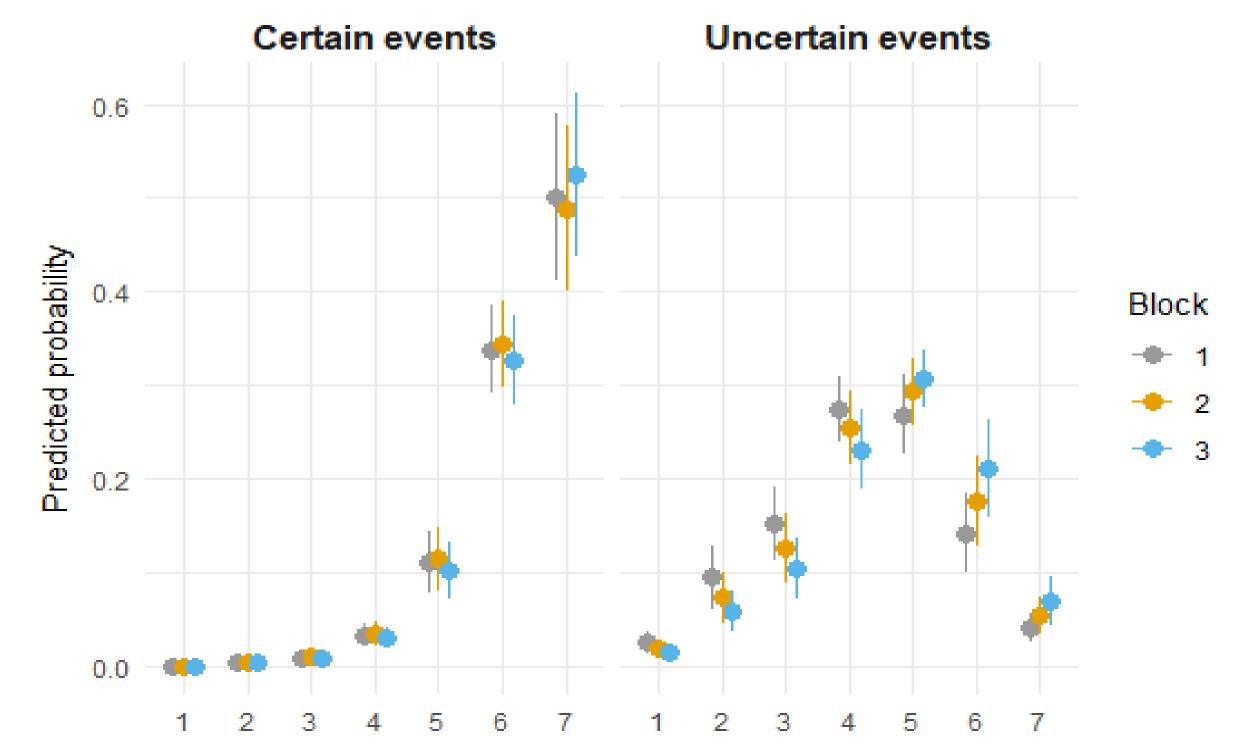
2 3 4 5 6 7 1 2 3 4 5 6 7 Relief rating

Bel	ief	rat	ing
-----	-----	-----	-----

Predictors	Estimate	SE	z-value	р
Block 2	0.04	0.21	0.18	.854
Block 3	0.13	0.23	0.59	.555
Event Type (Implausible)	-4.79	0.49	-9.87	<.001
Block 2 * Type (Impl.)	-0.06	0.35	-0.19	.852
Block 3 * Type (Impl.)	-0.39	0.36	-1.10	.270

(within-subject designs, analyzed with ordinal mixed model)

Exp. 2 (N = 69)



Belief rating Predictors Estimate z-value р Block 2 -0.32 -0.05 0.15 .744 0.15 .537 Block 3 0.09 0.62 Event Type (Uncertain) -3.15 0.27 -11.77 <.001 Block 2 * Type (Unc.) .095 0.20 1.67 0.34 Block 3 * Type (Unc.) .024 0.46 0.21 2.25





Scan the QR code to download the poster (or to get in touch!)

