Appendix B: Linear mixed models results

Table B1. *Fixed and random effects of a model measuring initial belief in false headlines.*

	Fixed Effects			
	Est/Beta	*SE*	*t*	*p*
Intercept	4.14	0.19	22.36	< .001
Image Surprise	-0.01	0.02	-0.40	.688
Realism	0.36	0.01	24.80	< .001
Evidence	0.29	0.01	20.36	< .001
	Random Effects			
	Variance		*SD*	
Subject (Intercept)	1.80		1.34	
Headline (Intercept)	0.49		0.70	

Model equation: initial belief in false headlines ~ 1 + realism + evidence + image surprise + (1 | subject) + (1 | headline)

Table B2. *Fixed and random effects of a model measuring difference in headline belief between the main experiment and Experiment S1.*

	Fixed Effects			
	Est/Beta	*SE*	*t*	*p*
Intercept	4.54	0.21	21.23	< .001
Veracity	0.52	0.41	1.28	.210
Experiment	-0.13	0.13	-1.00	.316
Veracity*Experiment	0.29	0.09	3.39	< .001
	Random Effects			
	Variance		*SD*	
Subject (Intercept)	1.25		1.12	
Headline (Intercept)	1.67		1.29	

Model equation: initial belief ~ 1 + veracity + experiment + veracity* experiment + (1 | subject) + (1 | headline)

Note: Veracity and Experiment were contrast coded such that '0.5' represented true headlines and the main experiment, while -0.5 represented false headlines and Experiment S1.

Table B3. *Fixed and random effects of a model measuring difference in false headline belief before and after corrections.*

	Fixed Effects			
	Est/Beta	*SE*	*t*	*p*
Intercept	4.14	0.21	20.04	< .001
Post-correction phase	-2.01	0.05	-36.86	< .001
	Random Effects			
	Variance		*SD*	
Subject (Intercept)	1.72		1.31	
Headline (Intercept)	0.66		0.81	
Model equation: belief in false headlines ~ 1 + phase + (1 | subject) + (1 | headline)				

Table B4. *Fixed and random effects of a model measuring post-correction belief in false headlines.*

	Fixed Effects			
	Est/Beta	*SE*	*t*	*p*
Intercept	1.44	0.16	8.97	<.001
Realism	0.02	0.01	1.13	.260
Evidence	0.01	0.01	0.61	.542
Image surprise	0.01	0.01	0.52	.606
Correction surprise	0.03	0.02	1.91	.056
Initial belief (covariate)	0.17	0.02	9.99	< .001
	Random Effects			
	Variance		*SD*	
Subject (Intercept)	2.73		1.65	
Headline (Intercept)	0.14		0.38	
Model equation: immediate post-correction belief ~ 1 + realism + evidence + image surprise + correction surprise + initial belief + (1 | subject) + (1 | headline)				

Table B5. *Fixed and random effects of a model measuring delayed post-correction memory for corrections.*

	Fixed Effects			
	Est/Beta	*SE*	*t*	*p*
Intercept	8.14	0.20	41.15	<.001
Realism	-0.01	0.02	-0.66	.510
Evidence	-0.00	0.02	-0.19	.853
Image surprise	-0.01	0.02	-0.67	.504
Correction surprise	0.00	0.02	0.15	.880
Initial belief (covariate)	-0.16	0.02	-8.06	< .001
	Random Effects			
	Variance		*SD*	
Subject (Intercept)	2.57		1.60	
Headline (Intercept)	0.38		0.62	

Model equation: delayed post-correction memory ~ 1 + realism + evidence + image surprise + correction surprise + initial belief + (1 | subject) + (1 | headline)