

# Group Level Analyses

Anonymised for peer review

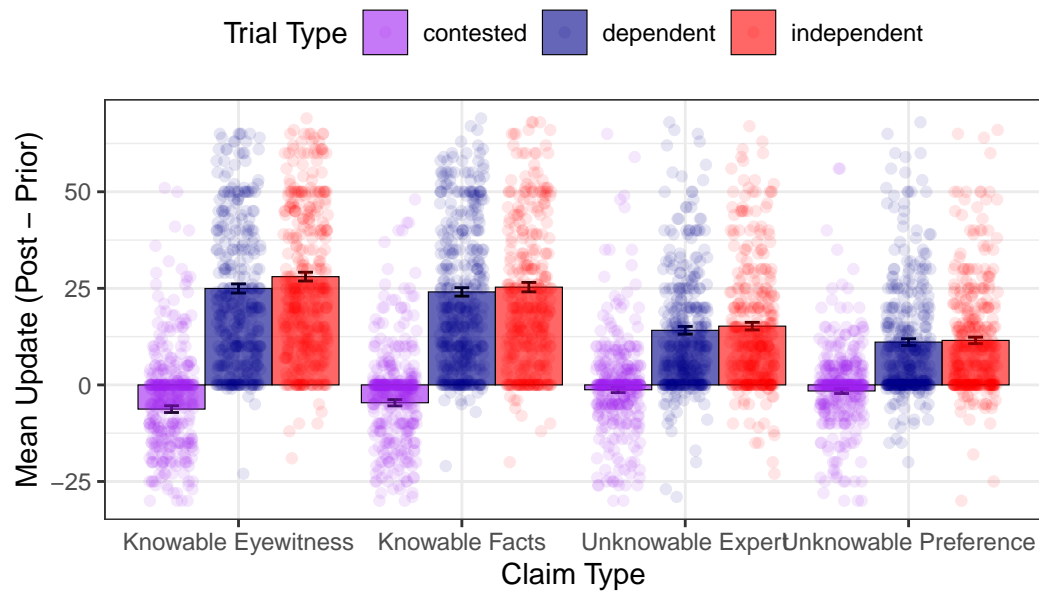
## Table of contents

<b>1</b>	<b>Priors</b>	<b>1</b>
<b>2</b>	<b>What were the average belief updates for each claim type?</b>	<b>2</b>
<b>3</b>	<b>What were the average deltas (independent - dependent) for each claim type?</b>	<b>2</b>
<b>4</b>	<b>Modelling</b>	<b>3</b>
4.1	Model Comparison . . . . .	3
4.1.1	Excluding contested condition (independent v dependent) . . . . .	3
4.1.2	Excluding dependent condition (independent v contested) . . . . .	3
4.2	Estimates of winning model . . . . .	3
4.2.1	Excluding contested condition (independent v dependent) . . . . .	3
4.2.2	Excluding dependent condition (independent v contested) . . . . .	4

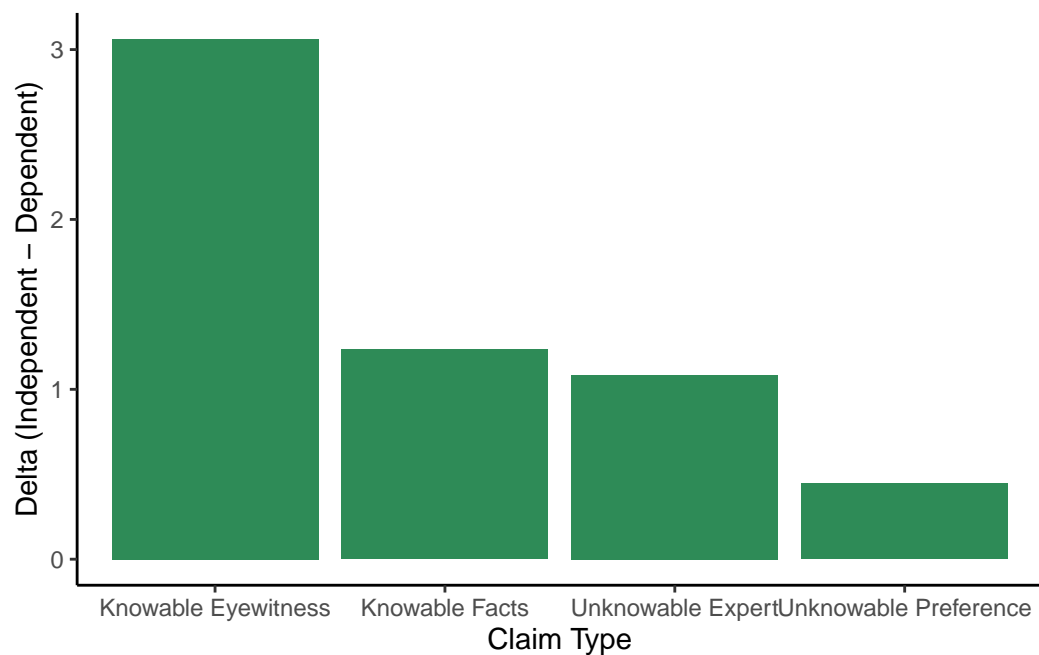
## 1 Priors

The priors plot is too large to show here, but it is in 07\_Plots/priors.png (and on the OSF).

## 2 What were the average belief updates for each claim type?



## 3 What were the average deltas (independent - dependent) for each claim type?



## 4 Modelling

### 4.1 Model Comparison

#### 4.1.1 Excluding contested condition (independent v dependent)

	model	excluded_condition	all_looic	all_se	model_rank
1	group-prior	contested	26952	103	4
2	group-prior-consensus	contested	26947	103	3
3	group-prior-consensus-claim	contested	26493	111	1
4	group-prior-consensusXclaim	contested	26496	111	2

#### 4.1.2 Excluding dependent condition (independent v contested)

	model	excluded_condition	all_looic	all_se	model_rank
1	group-prior	dependent	27692	100	4
2	group-prior-consensus	dependent	26633	116	3
3	group-prior-consensus-claim	dependent	26565	117	2
4	group-prior-consensusXclaim	dependent	26335	121	1

### 4.2 Estimates of winning model

#### 4.2.1 Excluding contested condition (independent v dependent)

	Estimate	Lower	Upper
b_Intercept	42.905	40.749	45.023
b_pre_adjusted	0.666	0.648	0.684
b_consensusindependent	1.667	0.719	2.613
b_claim_typeKnowableFacts	-2.721	-4.058	-1.386
b_claim_typeUnknowableExpert	-12.434	-13.800	-11.074
b_claim_typeUnknowablePreference	-15.896	-17.242	-14.522

##### 4.2.1.1 Follow up of main effects

contrast	estimate	lower.HPD	upper.HPD
Knowable Eyewitness - Knowable Facts	2.72	1.36	4.03
Knowable Eyewitness - Unknowable Expert	12.43	11.07	13.78
Knowable Eyewitness - Unknowable Preference	15.90	14.56	17.26
Knowable Facts - Unknowable Expert	9.71	8.34	11.04
Knowable Facts - Unknowable Preference	13.18	11.86	14.49

Unknowable Expert - Unknowable Preference	3.46	2.10	4.80
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Results are averaged over the levels of: consensus

Point estimate displayed: mean

HPD interval probability: 0.89

#### 4.2.2 Excluding dependent condition (independent v contested)

	Estimate	Lower	Upper
b_Intercept	9.522	7.742	11.293
b_pre_adjusted	0.716	0.698	0.733
b_consensusindependent	32.905	31.041	34.770
b_claim_typeKnowableFacts	1.891	0.037	3.751
b_claim_typeUnknowableExpert	6.398	4.523	8.241
b_claim_typeUnknowablePreference	4.204	2.365	6.011
b_consensusindependent:claim_typeKnowableFacts	-4.656	-7.296	-2.000
b_consensusindependent:claim_typeUnknowableExpert	-18.785	-21.449	-16.130
b_consensusindependent:claim_typeUnknowablePreference	-21.494	-24.147	-18.810

##### 4.2.2.1 Follow up main effects and interaction