

# Group Level Analyses

Anonymised for peer review

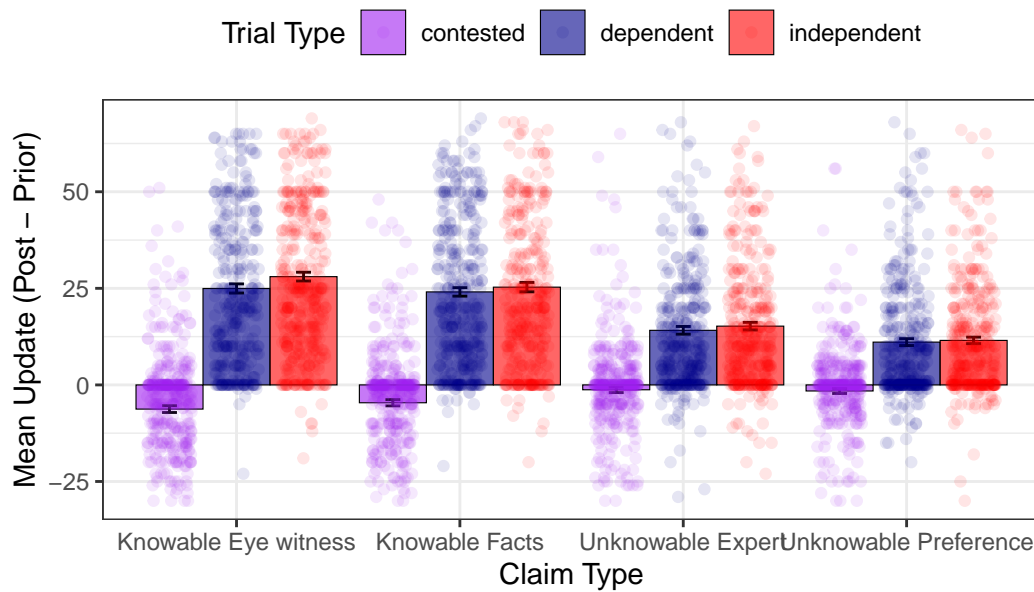
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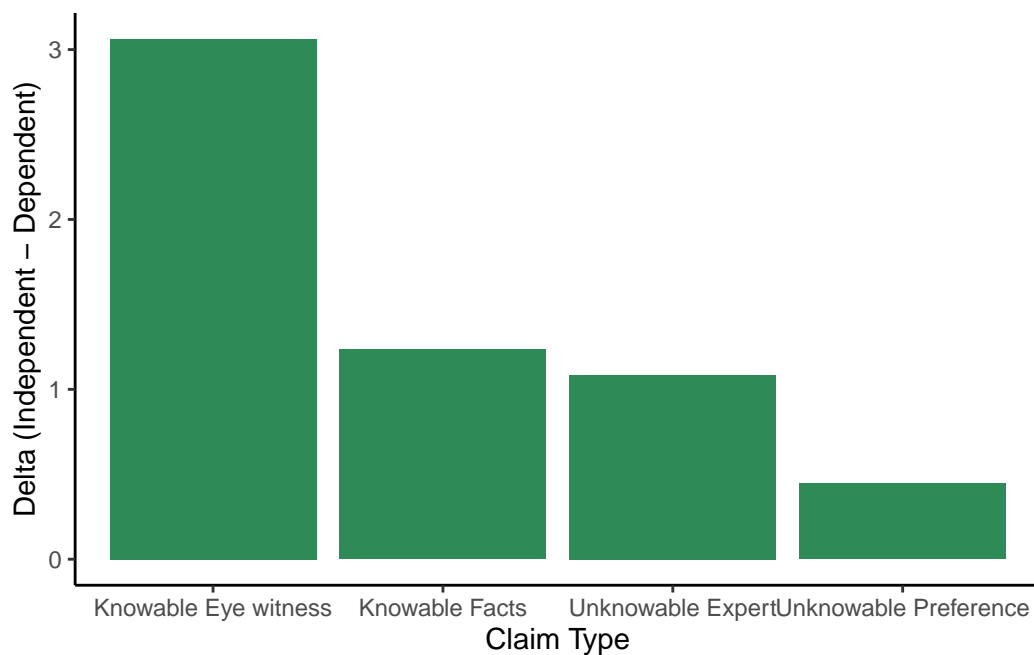
## 1 Priors

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	26946	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	27693	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	42.896	40.789	44.977
b_pre_adjusted	0.666	0.648	0.684
b_consensusindependent	1.678	0.725	2.620
b_claim_typeKnowableFacts	-2.706	-4.055	-1.329
b_claim_typeUnknowableExpert	-12.420	-13.816	-11.054
b_claim_typeUnknowablePreference	-15.898	-17.271	-14.512

##### 4.2.1.1 Follow up of main effects

contrast	estimate	lower.HPD	upper.HPD
Knowable Eye witness - Knowable Facts	2.71	1.33	4.03
Knowable Eye witness - Unknowable Expert	12.42	11.02	13.77
Knowable Eye witness - Unknowable Preference	15.90	14.47	17.21
Knowable Facts - Unknowable Expert	9.71	8.29	11.06
Knowable Facts - Unknowable Preference	13.19	11.80	14.48

Unknowable Expert - Unknowable Preference	3.48	2.12	4.85
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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	9.541	7.817	11.263
b_pre_adjusted	0.716	0.698	0.733
b_consensusindependent	32.895	31.117	34.678
b_claim_typeKnowableFacts	1.904	0.034	3.759
b_claim_typeUnknowableExpert	6.404	4.585	8.206
b_claim_typeUnknowablePreference	4.206	2.330	6.020
b_consensusindependent:claim_typeKnowableFacts	-4.648	-7.203	-2.058
b_consensusindependent:claim_typeUnknowableExpert	-18.784	-21.359	-16.173
b_consensusindependent:claim_typeUnknowablePreference	-21.488	-24.128	-18.802

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