

Data generating model

Percentage of winning
based on model evidence

Heuristic, modality-specific precision	0.53	0.12	0.19	0.12	0.04	0.00
Heuristic, modality-indepndent precision	0.00	0.77	0.05	0.17	0.00	0.01
Causal inference, modality-specific precision	0.15	0.27	0.31	0.25	0.02	0.00
Causal inference, modality-indepndent precision	0.05	0.48	0.27	0.20	0.00	0.00
Fixed updated, modality-specific precision	0.21	0.18	0.40	0.21	0.00	0.00
Fixed updated, modality-indepndent precision	0.18	0.25	0.37	0.15	0.00	0.05

Percentage of winning based on
RMSE of recalibration prediction

Heuristic, modality-specific precision	0.67	0.23	0.10	0.00	0.00	0.00
Heuristic, modality-indepndent precision	0.29	0.58	0.13	0.00	0.00	0.00
Causal inference, modality-specific precision	0.16	0.16	0.58	0.08	0.00	0.02
Causal inference, modality-indepndent precision	0.18	0.18	0.25	0.38	0.01	0.00
Fixed updated, modality-specific precision	0.00	0.00	0.12	0.34	0.21	0.33
Fixed updated, modality-indepndent precision	0.00	0.00	0.12	0.28	0.20	0.40

Heuristic, modality-specific precision
Heuristic, modality-indepndent precision
Causal inference, modality-specific precision
Causal inference, modality-indepndent precision
Fixed updated, modality-specific precision
Fixed updated, modality-indepndent precision

Heuristic, modality-specific precision
Heuristic, modality-indepndent precision
Causal inference, modality-specific precision
Causal inference, modality-indepndent precision
Fixed updated, modality-specific precision
Fixed updated, modality-indepndent precision

Model used for fitting