Dynamic Perception of Well-Learned Perceptual Objects
Computational Brain and Behavior
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Online Resources

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Online Resource 1

Empirical mean accuracy and median response times for three participants. Values correspond to those reported in Figures 3 and 4 in the main text.

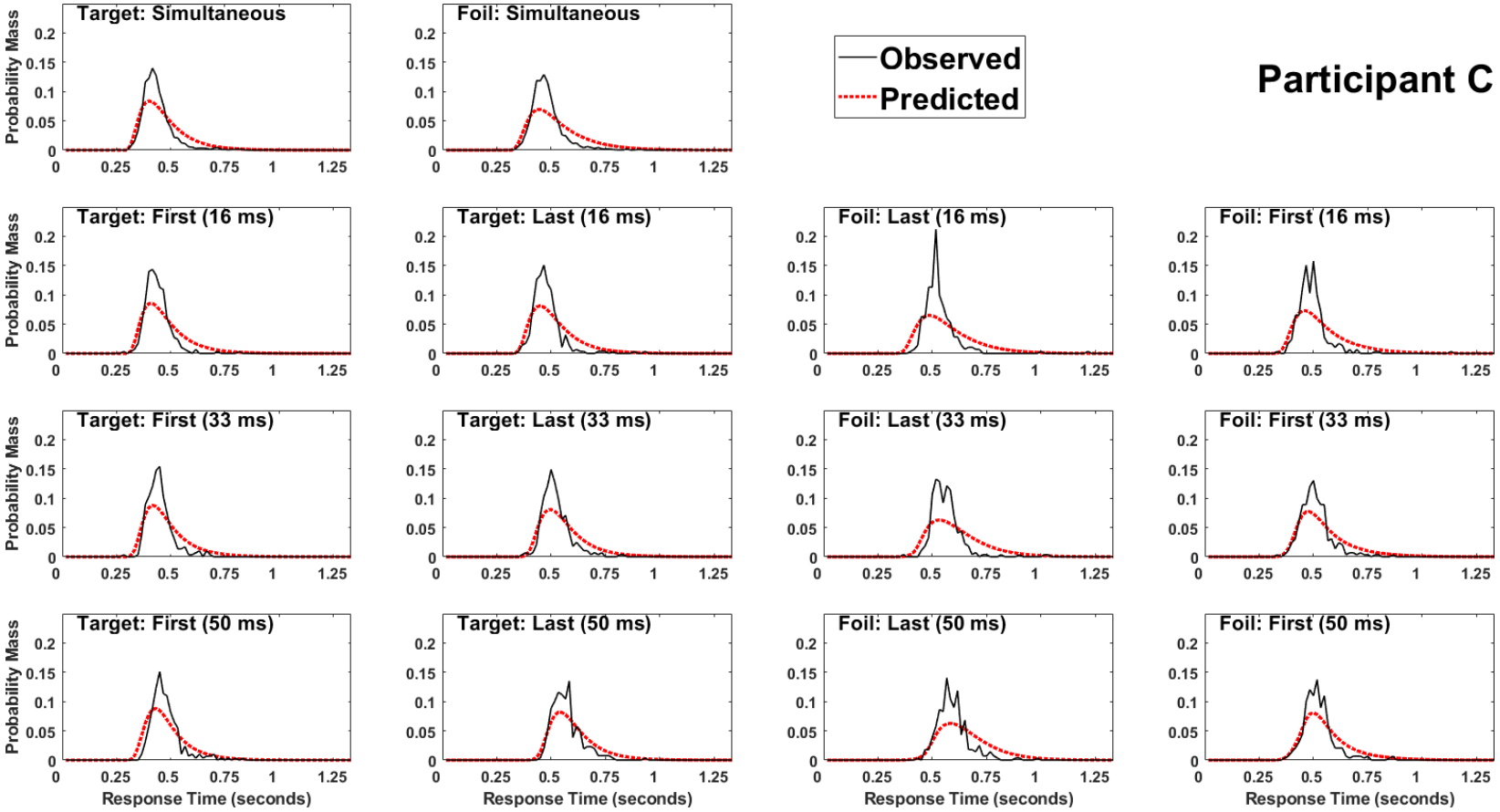
Participant C	Accuracy	Median Response Time
SIM_T	0.9762	406
SIM_F	0.9817	447
SEQ_Target_16first	0.9964	412
SEQ_Target_16last	0.9785	450
SEQ_Foil_16first	0.9642	503
SEQ_Foil_16last	0.9928	465
SEQ_Target_33first	0.9928	424
SEQ_Target_33last	0.9606	494
SEQ_Foil_33first	0.9211	532
SEQ_Foil_33last	0.9928	483
SEQ_Target_50first	0.9892	444
SEQ_Target_50last	0.8817	540
SEQ_Foil_50first	0.9427	564
SEQ_Foil_50last	0.9892	497

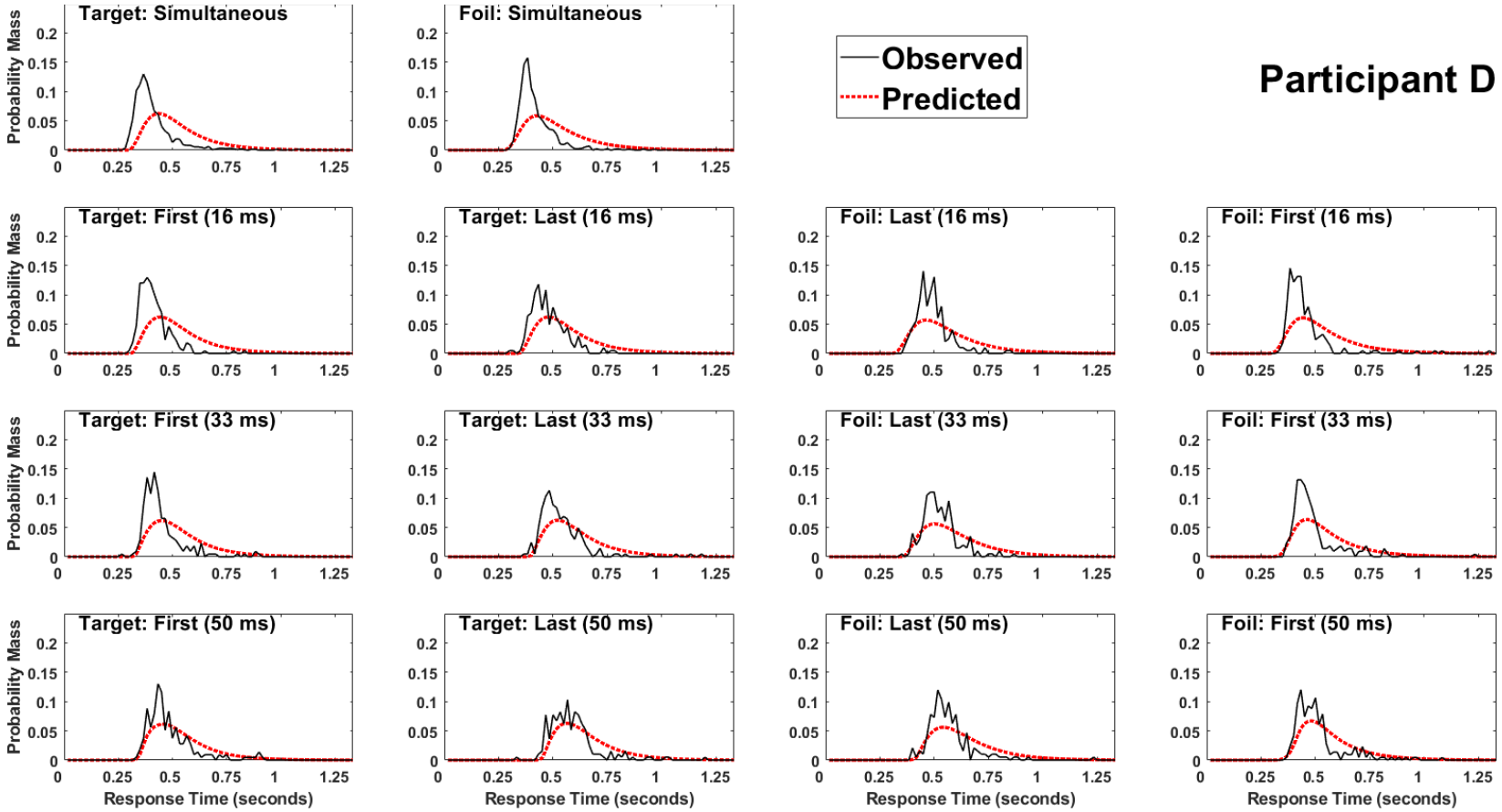
Participant D	Accuracy	Median Response Time
SIM_T	0.9550	361
SIM_F	0.9856	371
SEQ_Target_16first	1.0000	380
SEQ_Target_16last	0.9444	442
SEQ_Foil_16first	0.9242	463
SEQ_Foil_16last	0.9899	405
SEQ_Target_33first	0.9899	402
SEQ_Target_33last	0.9343	489
SEQ_Foil_33first	0.9141	488
SEQ_Foil_33last	0.9848	438
SEQ_Target_50first	0.9949	431
SEQ_Target_50last	0.8939	543
SEQ_Foil_50first	0.8788	523
SEQ_Foil_50last	1.0000	459

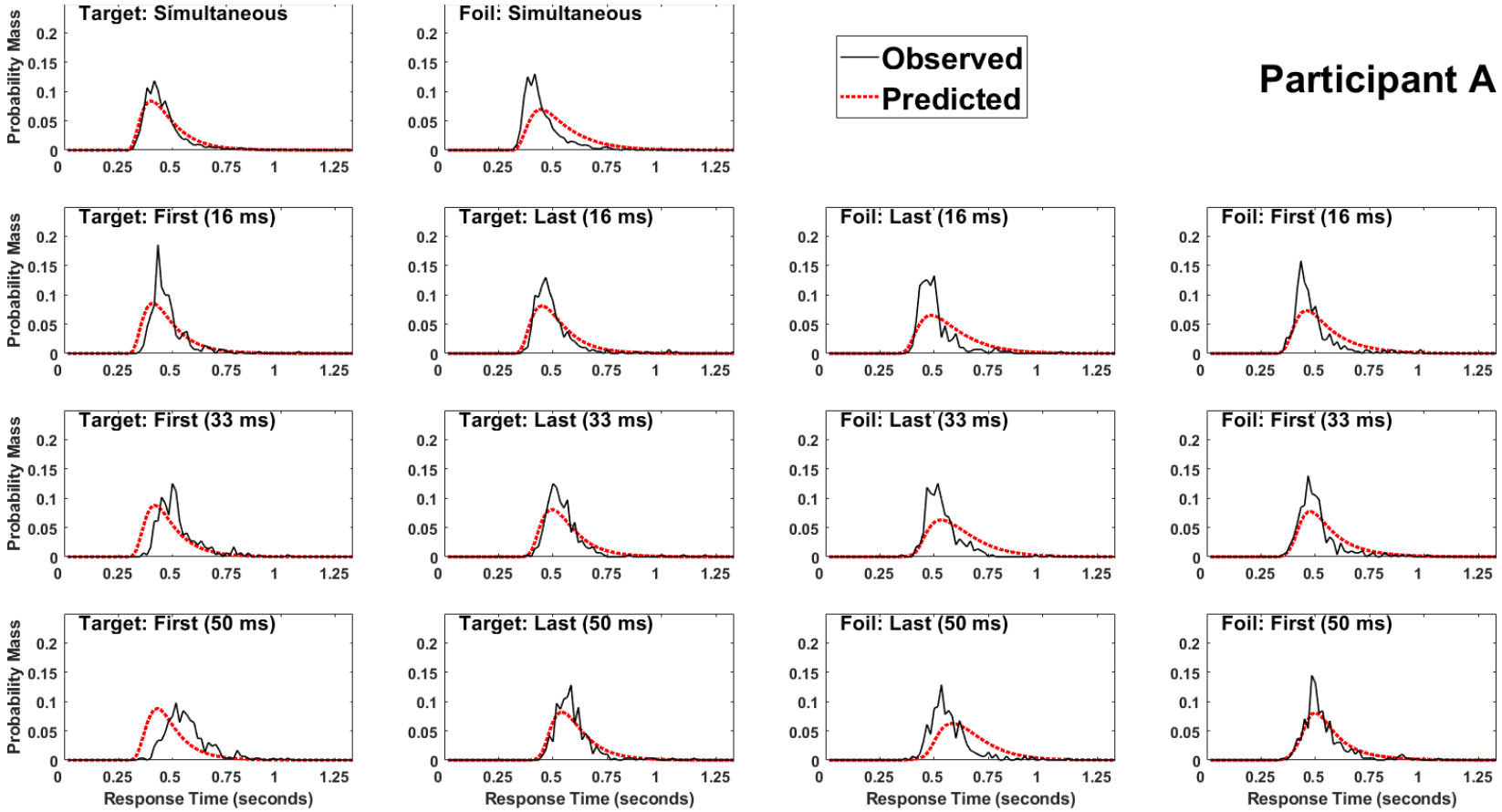
Participant A	Accuracy	Median Response Time
SIM_T	0.9780	412
SIM_F	0.9933	401
SEQ_Target_16first	0.9929	439
SEQ_Target_16last	0.9823	455
SEQ_Foil_16first	0.9894	462
SEQ_Foil_16last	1.0000	440
SEQ_Target_33first	0.9929	485
SEQ_Target_33last	0.9716	507
SEQ_Foil_33first	0.9929	500
SEQ_Foil_33last	0.9965	467
SEQ_Target_50first	0.9965	530
SEQ_Target_50last	0.9681	556
SEQ_Foil_50first	0.9929	527
SEQ_Foil_50last	1.0000	489

Online Resource 2

Evaluating model fits against empirical response time distributions. In each of the three following figures, the empirical response time distributions are plotted for each of the 14 conditions in the experiment; each figure shows data for a different participant (as indicated in the top-right corner of each figure). Empirical RT distributions for correct responses are plotted as a black solid line and fitted model performance is overlaid in a red dashed line. Conditions are labeled within the top of each figure.




Target: Simultaneous
Foil: Simultaneous
Observed
Predicted
Participant D
Target: First (16 ms)
Target: Last (16 ms)
Foil: Last (16 ms)
Foil: First (16 ms)
Target: First (33 ms)
Target: Last (33 ms)
Foil: Last (33 ms)
Foil: First (33 ms)
Target: First (50 ms)
Target: Last (50 ms)
Foil: Last (50 ms)
Foil: First (50 ms)
Probability Mass
Response Time (seconds)
0
0.05
0.1
0.15
0.2
0.25
0.5
0.75
1
1.25


Target: Simultaneous
Foil: Simultaneous
Observed
Predicted
Participant A
Target: First (16 ms)
Target: Last (16 ms)
Foil: Last (16 ms)
Foil: First (16 ms)
Target: First (33 ms)
Target: Last (33 ms)
Foil: Last (33 ms)
Foil: First (33 ms)
Target: First (50 ms)
Target: Last (50 ms)
Foil: Last (50 ms)
Foil: First (50 ms)
Probability Mass
Response Time (seconds)
0
0.05
0.1
0.15
0.2
0.25
0.5
0.75
1
1.25