665 7. Supplementary Material



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668 SI Figure 1: Questionnaire for experiment 1. Sketches of 16 possible perceived relationships between the 669 cued target location and the target timing. Participants were asked to select the three that they experienced 670 in correct order.



572 SI Figure 2: Inter- and within group variability: Within the duration that each model was presented, the 573 posterior values for that model were averaged for each participant. The bars indicate the mean and standard 574 error (non-gaussian) for how much this value varied for participants within each group. Unlike other 575 analyses, these averages include the first 100 trials of the experiment where learning may have been 576 incomplete. These values reflect the extent and not rate of model acquisition across participants.

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681 Supplementary figure 3: Function learning in Experiment 2 with a 10 trial window. Average posterior

probabilities for the three functions given data within the windows. Color scheme and axes identical to Figure2b. The four panels represent the four groups of participants.

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