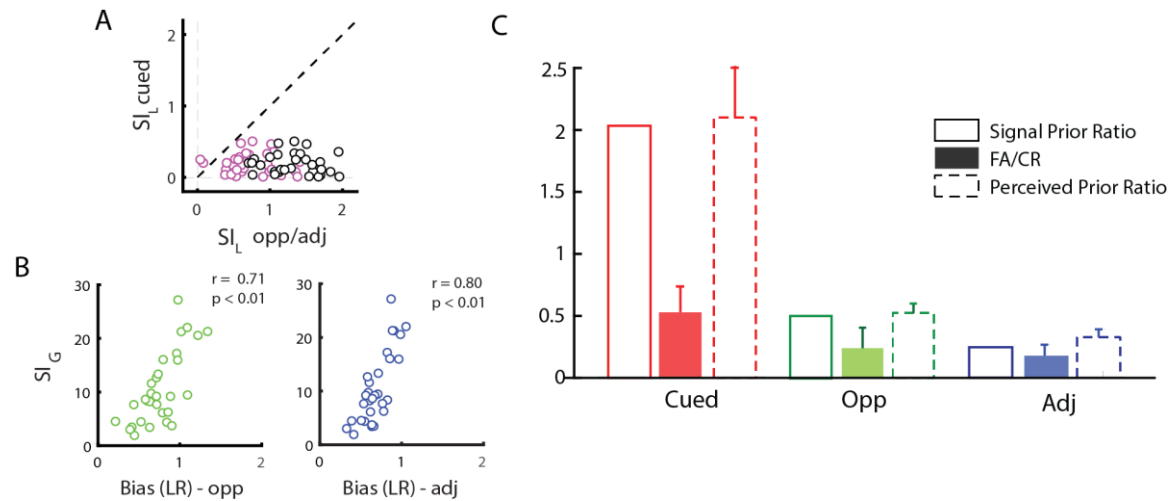


Data Supplement: Supplemental Figure 4

Figure S4. Covariation of sensitivity and bias with optimal decision indices and effect of priors on choice outcomes.



A. Covariation of the locational sub-optimality index (SL_L) at the cued (y-axis) and uncued (x-axis) locations. Black: SL_L at cued versus opposite locations; magenta: SL_L at cued versus adjacent locations. Dashed diagonal line: line of equality. Data points: Individual subjects. **B.** Covariation of the global sub-optimality index (SL_G) with bias at the opposite (left) or adjacent (right) locations. Data points: Individual subjects. **C.** Effects of event prior probabilities on choice outcomes during no change trials. Filled bars: The proportion of false alarms at the cued, opposite and adjacent locations. Unfilled bars, solid outlines: Task-imposed signal priors. Unfilled bars, dashed outlines: Perceived priors. These values are plotted as a ratio over the proportion of correct rejections (FA:CR ratio), no-change trials (signal prior ratios) or no-change responses (perceived prior ratios). Error bars: s.e.m. Color conventions are as in Fig. 2A (main text).