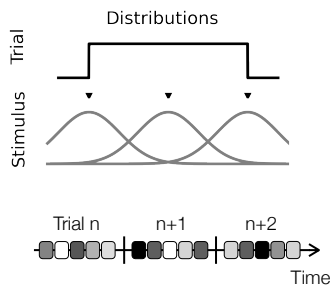


A



B

Weighted output = $\alpha \cdot \text{Stimulus} + (1-\alpha) \cdot \text{Prediction}$

$$= \left(1 + \frac{V_{\text{lower}}}{V_{\text{higher}}}\right)^{-1} \cdot \text{Stimulus} + \left(1 + \frac{V_{\text{higher}}}{V_{\text{lower}}}\right)^{-1} \cdot M$$

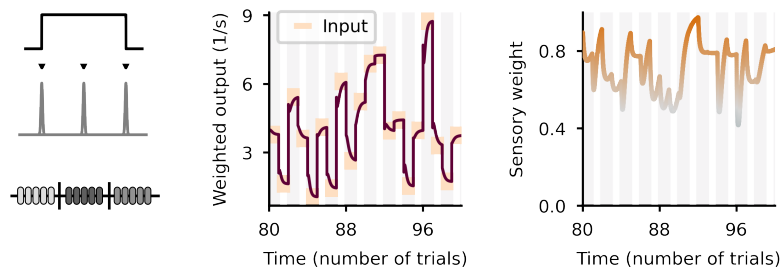
α : Sensory weight $\in [0,1]$

$\alpha = 0$: Prediction-driven

$\alpha = 1$: Sensory-driven

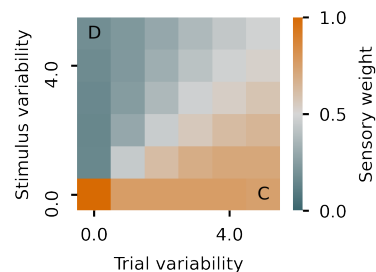
C

Example in which the network relies more strongly on sensory inputs



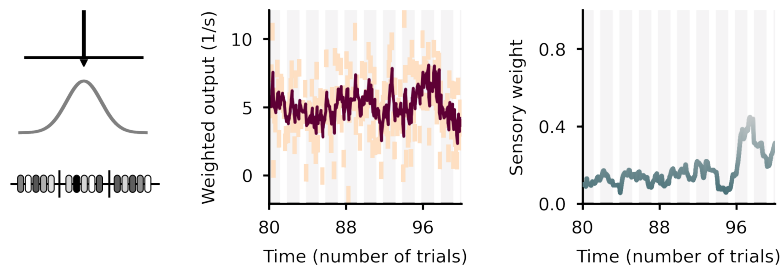
E

Sensory weight for different trial and stimulus variabilities



D

Example in which the network relies more strongly on prediction



F

Sensory weight decreases with shorter trial durations T

