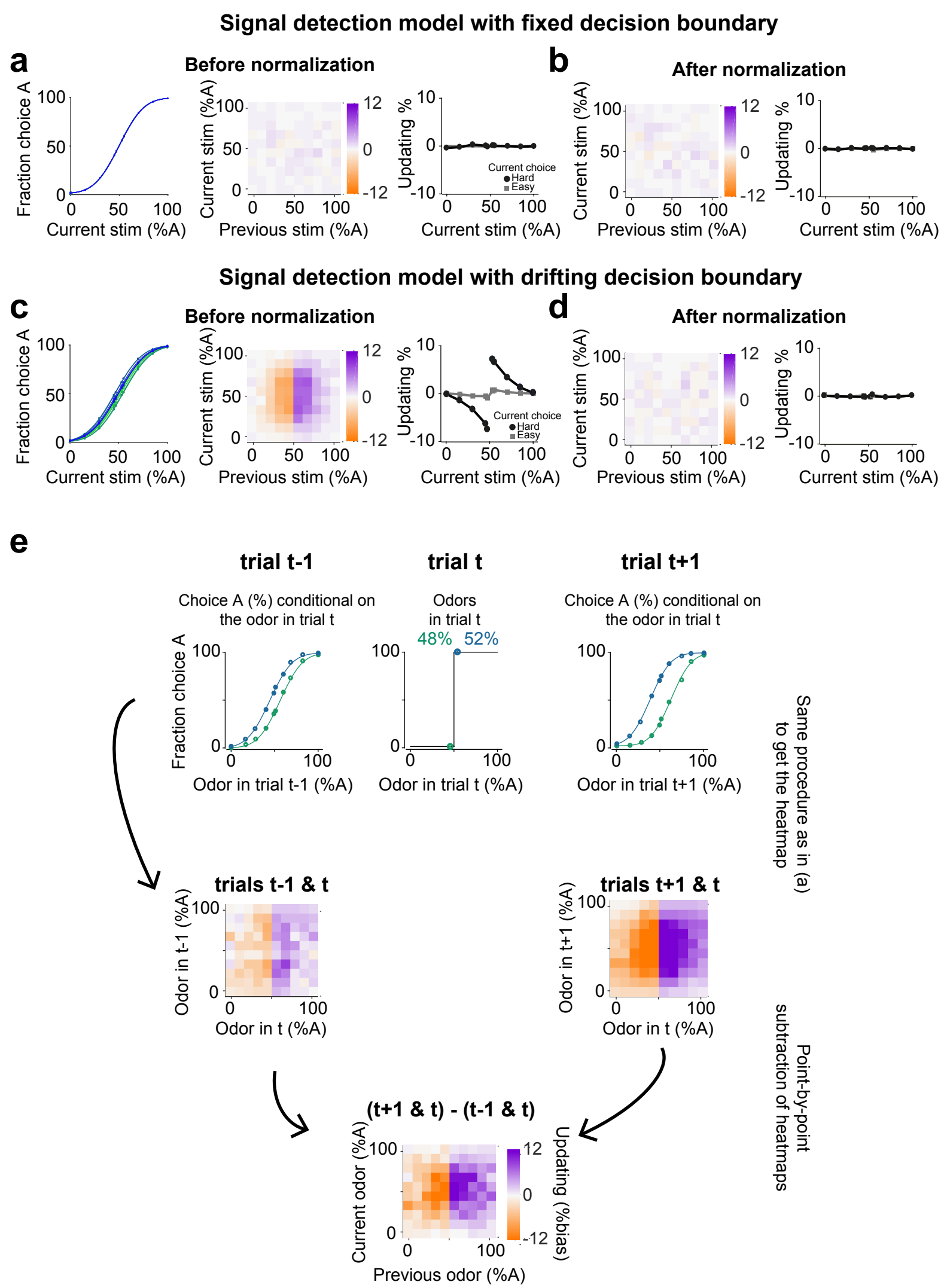
Signal detection model with fixed decision boundary
a
Before normalization
b
After normalization
Fraction choice A
Current stim (%A)
Previous stim (%A)
Updating %
Current choice
Hard
Easy
Signal detection model with drifting decision boundary
c
d
e
trial t-1
trial t
trial t+1
Choice A (%) conditional on the odor in trial t
Odors in trial t
48%
52%
Odor in trial t-1 (%A)
Odor in trial t (%A)
Odor in trial t+1 (%A)
Same procedure as in (a) to get the heatmap
trials t-1 & t
trials t+1 & t
Odor in t-1 (%A)
Odor in t+1 (%A)
Point-by-point subtraction of heatmaps
(t+1 & t) - (t-1 & t)
Current odor (%A)
Previous odor (%A)
Updating (%bias)