| Neurobiological observation/concepts | Computational Account (POMDP) |
|---|---|
| Valence/amygdala | Delta Q |
| Prediction error | Q-y |
| Hippocampal experience replay | Stochastic action-reward sampling/MCMC |
| Action repertoire | Policy |
| Significance detection/amygdala | Value function(action, state) |
| World knowledge/semantics (distributed synaptic weights) | Deep neural network |
| Reward/Regret in Nucleus accumbens | Reward r |
| Sensory context (inter-/exteroceptive) | States s |
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