Generative Model Structure in Active Inference

A
Observation Likelihood
P(o|s)

shape: (3, 2)

B
State Transitions
P(s'|s,a)

shape: (2, 2)

C
Preferences
(log priors)

shape: (3,)

Policy Selection

Expected Outcomes
EFE Calculation

Perception

Generative models encode probabilistic relationships:
• A: How hidden states generate observations (epistemic)
• B: How actions influence state transitions (causal)
• C: Preferred outcomes and goals (pragmatic)
• D: Initial beliefs about states (priors)

D
Prior Beliefs
P(s)

shape: (2,)