

Enhanced Figure 1: Clear State Definitions and Characteristics

State 0: Engaged

Key Traits:

- High accuracy (60-70%)
- Long occupancy (55%)
- High stimulus sensitivity
- Focused behavior

Behavioral Interpretation:

Animal is paying attention, making deliberate choices

State 1: Biased

Key Traits:

- Moderate accuracy (55-65%)
- Side preference
- Reduced stimulus sensitivity
- Strategic bias

Behavioral Interpretation:

Animal has developed a spatial preference, less responsive to stimulus

State 2: Lapsed

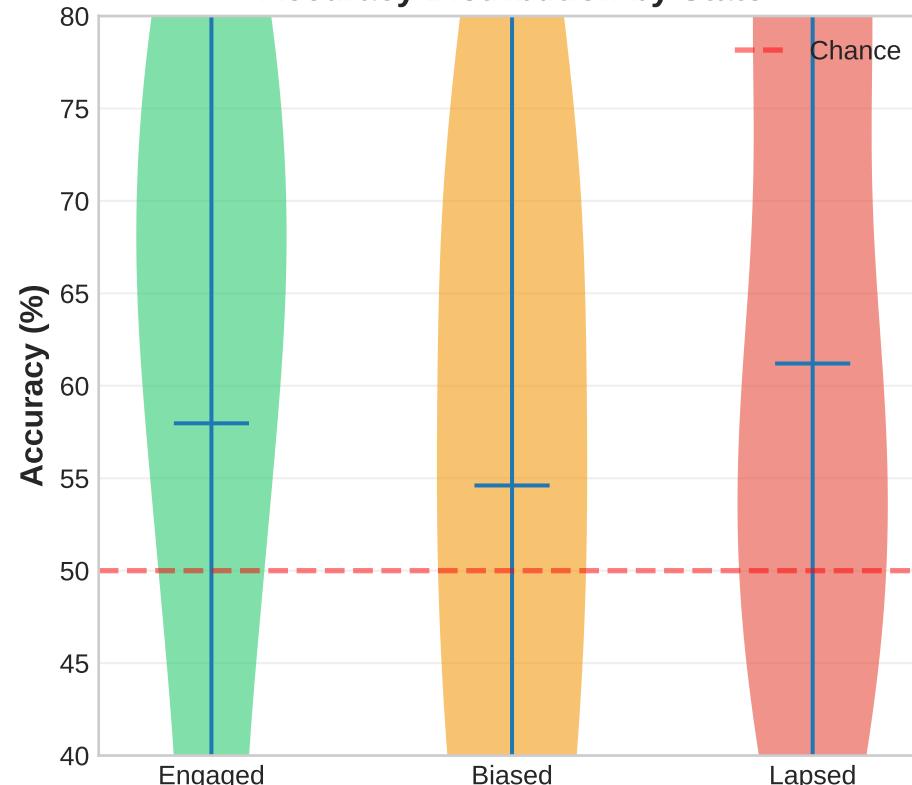
Key Traits:

- Low accuracy (45-55%)
- Near-chance performance
- Discrete episodes
- High clustering

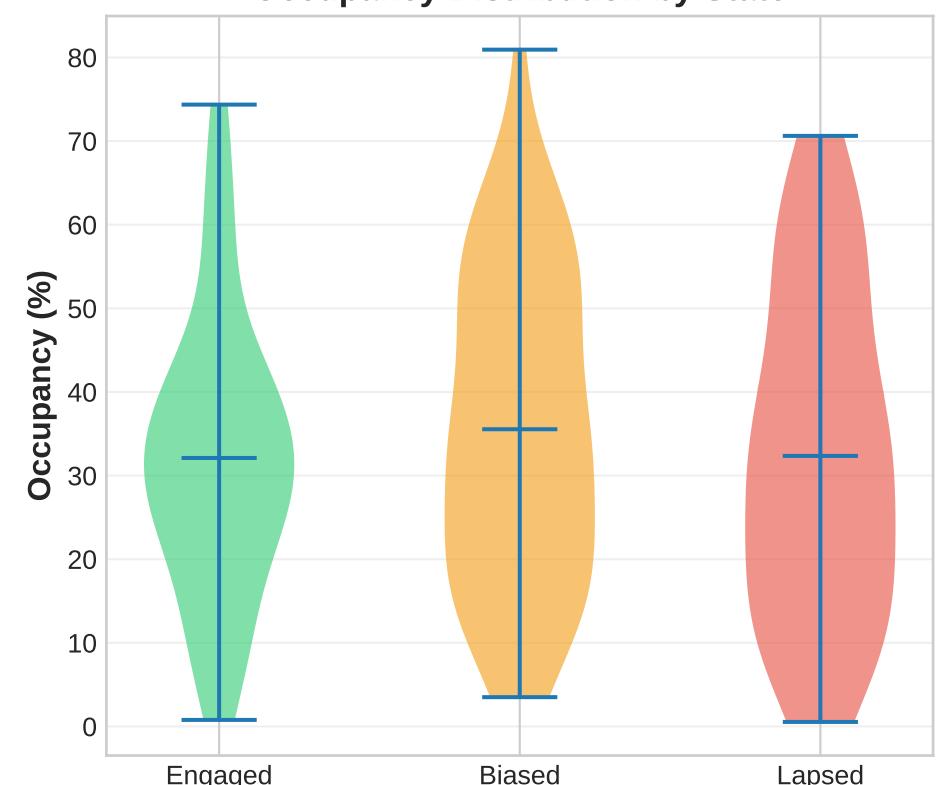
Behavioral Interpretation:

Animal is disengaged, not tracking task contingencies

Accuracy Distribution by State



Occupancy Distribution by State



Average State Transition Matrix

