(a) Unverified Memory Solvability

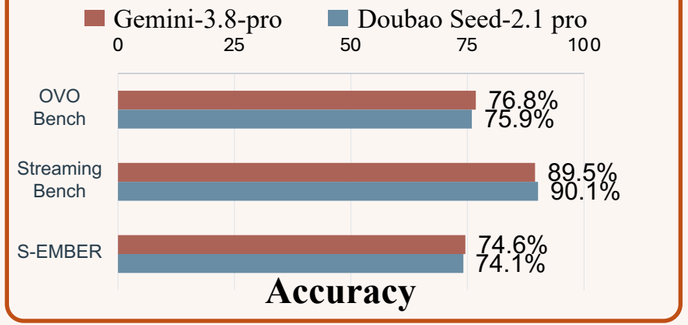
Incorrect Answers ≠ Forgetting

Q: Where was the large pack of toilet paper rolls located when the dog jumped down from the bed?



Evidence Interval — Query

Evidence-Interval Only Prediction

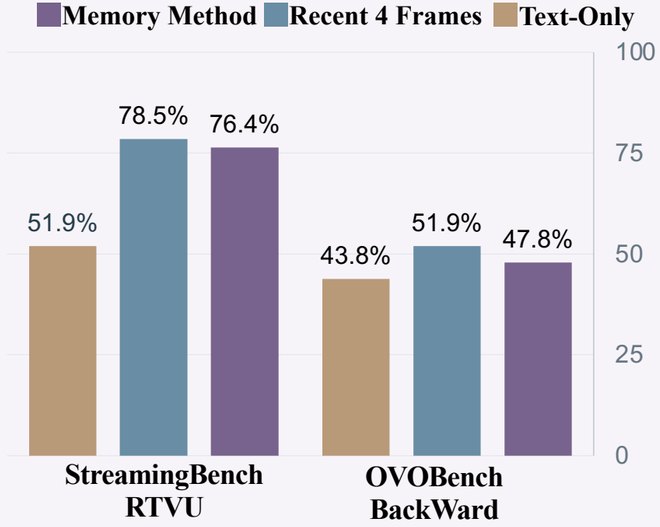


Memory Solvability ✗

(b) Unverified Memory Necessity

Correct Predictions ≠ Successful Memory Retrieval

Under Different Input Conditions



Recent Frames > Memory Design

Memory Necessity ✗

(c) MemInStream:

Evidence-Controlled Memory Evaluation

Q: What text appeared in a banner at the bottom of the screen while cichlids swam above a gravel bed?



Evidence Interval — Post-EI — Query

1 Memory Solvability

EI-only → Correct ✓

2 Memory Necessity

Text-only → Incorrect ✗

Post-EI-only → Incorrect ✗

Comprehensive Benchmark for Streaming Video Memory