

Processing Level: Cognitive → Meta-Cognitive

Active Inference Meta-Pragmatic Framework:  
2×2 Quadrant Analysis

Data Processing (Cognitive)

Basic data processing at the primary cognitive level. This represents the foundation of cognitive processing where raw data is interpreted and acted up...

Examples:

• Raw sensory inputs interpreted through basic cognitive processes:

...

• First-order homeostatic policy selection based on immediate needs:

...

Meta-Data Organization (Cognitive)

Meta-data organization within cognitive processes. This involves applying primary cognition to meta-data (information that shapes how data is processed...

Examples:

• Adding time-stamps, quality scores, and confidence metrics to

...

• Adding time-stamps and confidence scores to selected actions.

...

Reflective Processing (Meta-Cognitive)

Reflective processing of data at a meta-cognitive level. This represents 'thinking about thinking' in relation to raw data, enabling evaluation of cogn...

Examples:

• Evaluating confidence in inferences, assessing processing accuracy,

...

• Self-assessment of action effectiveness, adjustment of decision

...

Higher-Order Reasoning (Meta-Cognitive)

Higher-order reasoning involving both meta-data and meta-cognitive processes. This operates on a meta-pragmatic and meta-epistemic level, processing me...

Examples:

• Processing meta-data about cognitive processes: analyzing patterns

...

• Framework-level control: selecting among different cognitive regimes,

...

Information Type: Data → Meta-Data