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

Processing Level: Cognitive → Meta-Cognitive

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