



Ontology Summit 2013
Track B
Evaluation Dimensions,
A Few

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Mission Statement



The intent is to explore, clarify, and identify gaps, practical and theoretical, in the of evaluation of ontology from a systems perspective using the paradigm of blackbox evaluation.

- Extrinsic aspects of ontology evaluation includes subjective factors, measures or metrics, and the range of values of quantifiable attributes.
- In a systems context evaluations are derived from examination of inputs or stimuli (to the blackbox) and the outputs or externally measurable attributes or behaviors, where those behaviors are controlled or influenced by an ontology.
- The ontology in question may be fully embedded/encapsulated within an entity or system, or may be externally accessible (and potentially shared) among multiple entities or systems.
- The separation of system or entity behaviors which are not governed by an ontology must be accounted for in any ontology evaluation process.

Evaluation Dimensions



To aid the subject of ontology evaluation

Start an organization of (extrinsic) evaluation dimensions

- Help clarify gaps
- Provide viewpoints for evaluation(s)
- Understand evaluation context(s)
- Integrate with existing paradigms

Evaluation Dimensions



- Performance
 - Query
 - Precision
 - Recall
 - Time
 - Inference
 - System
 - CPU
 - I/O
- User
 - Correctness
 - Input Mechanism
 - Understandability
 - Terminology
 - Domain Completeness
- Adequacy
 - Coverage
 - Correctness
- Security
 - Attack Profile
- Cost
 - Development
 - Integration
 - Testing
 - Training
 - Operations
 - Maintenance
- Legal
 - Liability
 - Copyright

Fill In the Blanks



During the course of the 2013 Summit we'd like participants to extend and expand the list of evaluation dimensions.

For this 24 January 2013 session, please add you additions to the chat box. We will collect and organize them (for future discussion).