Using Rules and Frames To Develop Structured Scenarios

We are using rich semantics and knowledge structures for the direct representation of texts such as scientific research reports. We again go beyond traditional ontologies to use rules and semantics frames. Specifically, we explore how interlocking frames and lexical elements can be used to implement descriptions of dynamic scenarios and systems. Potentially, this approach provides an alternative that is easily validated compared to Large Language Models (LLMs), which are susceptible to "hallucinations."