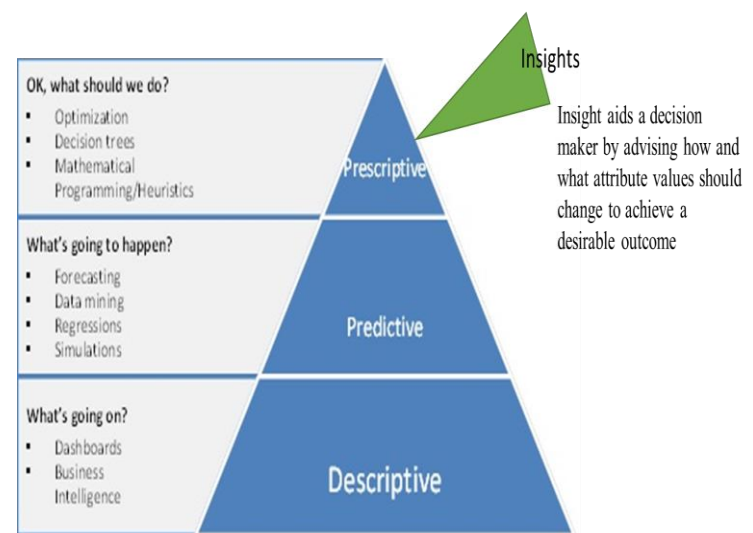


# An Ontology-based Architecture for Providing Insights

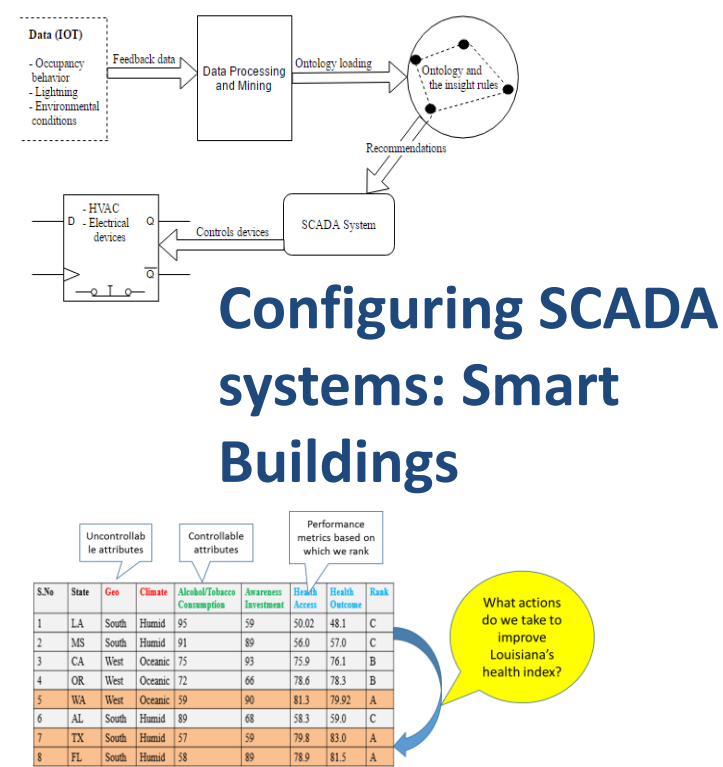
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## NEED & INDUSTRIAL RELEVANCE



Insights  
Insight aids a decision maker by advising how and what attribute values should change to achieve a desirable outcome



Healthcare ranking of states

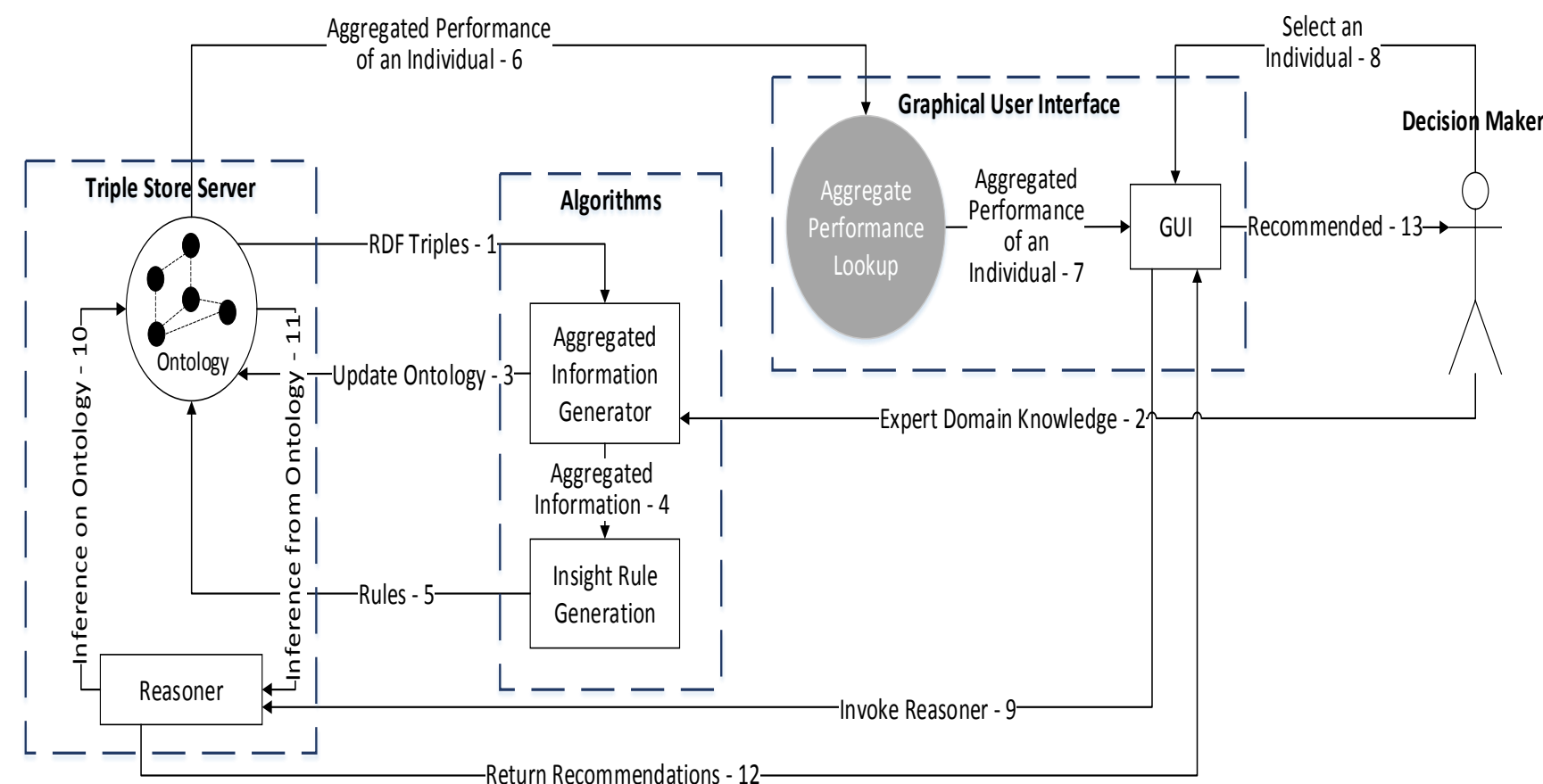
## PROJECT GOALS

**GOAL:** Investigate methods for automated insight generation system using ontology-based approach

## OBJECTIVES

- Build a Generic Ontology-based insight generation system architecture
- Algorithms for rank tables and insight rule generation
- Visualization & user interaction techniques for discovering insights

## APPROACH (RESEARCH METHODS)



## DELIVERABLES/OUTCOMES

- Ontologies from the structured data for domains of interest to the IAB (healthcare, cybersecurity,
- Algorithms that generate aggregated information of an individual (insights)
- Insight-as-a-service prototype running on VA Sandbox

## IMPACT

- The ontology in our system is more adaptable to new information.
- Ontology-based architecture these insights are all system generated and can aid the organizations in making better decisions