A model for investigation Non-Normative behavior in Risky Activities

Jonathan Morris Samara,
Cesar Augusto Tacla

Universidade Tecnolgica Federal do Paran

jonathan_samara@hotmail.com
cesar.tacla@gmail.com

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Context

Human activity is related to following and violation conduct norms. This generates serveral systemic implication for a society. A exemple of this involves jobs where professionals are exposed to risks to their respective lives.
Violation of norms can have many kind of consequences. These consequences can be slight as well can generate somebody's death. Therefore, we need models that take this behavior int consideration for the purpose of understanding certain types of relationships within the computacional context. In this study we will construct a model within the formalism of ontologies.

Problems

Within the context of multiagent systems, norms are used to define what an agent must do about certain conditions. This allows do develop model with the purpose of representing behaviors of the human society.
The representation of non-normative behaviors contributes to the creation of more realistic models. So in this study we intend do present a non-normative model for professional risk activities. With this model we intend to take int consideration how inappropriate choices can generate negative consequences in future stages of the activity.

Goals

- Identify all aspects relevant to research on a real case study of interest to the scope of this research.
- Investigate all existing models contributes to represent normative and non-normative behaviores.
- Analize aspects of this case study that are not considered by the current models.
- Construct an ontology that considers aspects that where not considered in previous models. For this, we use the methodology METHONTOLOGY. The steps of this methodology are: Specify (define specifications), Conceptualize (find patterns that can generalize several entities), Formalize (define the concepts whitin a formal language), Integrate (integrate with existing models), Implementation the ontology in some computacional language and Maintenance (to correct eventual problems arises during the use of the ontology).

Solution

Results

Applications