DYNAMIC ONTOLOGY MODELLING FOR HUMAN ACTIVITY RECOGNITION

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Abstract:
In the human activity recognition (HAR) process, ontology can be described as the semantic of context information by exploiting the knowledge engineering. Besides, ontology can be useful to maintain the accuracy and integrity of the data while its representation. In this paper an approach to dynamically generate ontologies is presented which focuses on HAR. Initially, an ontology model is created for the HAR which is mapped to the activity dataset. The end user can automatically generate the complete ontology by just specifying the schema and dataset. Therefore, the proposed model is both efficient and time saving compared to the static ontology generation approaches.

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