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EXPLOITING KNOWLEDGE GRAPHS IN HEALTHCARE

Abstract:

The use of knowledge graphs in health care has increased the performance in which information is retrieved and patients' diagnoses are made. Because the healthcare domain is made up of complex concepts and many relationships between them, developing knowledge graphs presents numerous challenges. Another issue is the large number of medical standards, such as HL7, ICD-10, SNOMED CT, DICOM, LOINC, and so on. In this paper are analyzed the technologies used in the construction of knowledge graphs in healthcare. In addition, a model for generating knowledge graphs from the APHRO (Albanian Patient Healthcare Records) Ontology is proposed.

Keywords:

Knowledge graphs, Ontology, Healthcare

JEL Classification: C45, I19