DSICCR Tuesday Seminar Series

Tuesday at Noon, Click Here to Join

Cancer-Focused Natural Language Processing for Electronic Health Record Data

Kirk Roberts, Ph.D.

Associate Professor
School of Biomedical Informatics
University of Texas Health Science Center at Houston

A significant amount of clinical information about a patient's cancer diagnosis, treatment, and progress is only found in unstructured (text) notes in the electronic health record (EHR). Extracting this data in order to model outcomes requires the use of natural language processing (NLP) tools. This talk will cover NLP systems in this space, including the conceptual modeling, data resources, and automatic machine learning-based systems. The first area of focus is the use of linguistic frames to model and extract cancer information from almost any type of clinical note. The second area of focus is specifically related to radiology, an important area for cancer data. In both cases, our goal is to reduce the need to develop bespoke NLP systems as cancer-related needs arise and instead utilize generalizable conceptual models that can address a wide range of needs.

Tuesday,February 8th, 2022. 12p – 1p. Webcast

Contact: Xiaohong.Bi@uth.tmc.edu

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