HEALTH INFORMATICS SEMINAR SERIES

Presents:

“Deep Learning and Natural Language Processing Methods for Mining Electronic Medical Records”

Abstract: Without access to unstructured free-text clinical notes, many types of clinical data such as symptoms, severity, history of illness, and events at other institutions remain inaccessible. In this talk, I will discuss my work at the Johns Hopkins Precision Medicine Analytics Platform, including clinical concept extraction, identifying social and behavioral determinants of health, and extracting COVID-19 symptoms from hospital admission notes.

Speaker: Masoud Rouhizadeh, PhD, MSc, MA
Assistant Professor, Pharmaceutical Outcomes and Policy
AI in Health Sciences Initiative, University of Florida

When: Tuesday, November 30, 2021 11:00 am – 12:00 pm

Join via Zoom Link: https://luc.zoom.us/j/81621896463

About the Speaker: Masoud Rouhizadeh is an Assistant Professor in the University of Florida College of Pharmacy, Department of Pharmaceutical Outcomes, under the AI in the Health Sciences Initiative. The primary focus of Dr. Rouhizadeh’s research involves applying machine learning and natural language processing methods for identifying clinical concepts from unstructured text and converting them into structured data. Another major part of his research has been developing clinical ontologies and lexical resources, as well as computational models for identifying social and behavioral determinants of health. Before joining the UF, Dr. Rouhizadeh was a Faculty Instructor at Biomedical Informatics and Data Science and the Natural Language Processing lead at the Institute for Clinical and Translational Research at the Johns Hopkins University School of Medicine. Prior to JHU, he was a postdoctoral fellow at the University of Pennsylvania’s World Well-Being Project and then at the Penn Institute for Biomedical Informatics. He obtained his Master’s and Ph.D. in Computer Science and Engineering from Oregon Health and Science University and his Master’s in Human Language Technology from the University of Trento, Italy.

Approval: This educational activity conforms to the guidelines required for an educational program to receive CME Category 1 credit. Your activity was approved for 1 category 1 credits towards the AMA Physician’s Recognition Award.

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