Virtual BSC RS/Life Session: Digital Transformation and Artificial Intelligence: Using AI to Learn about Health from Opinion and Behaviour Data

Objectives

Abstract: Digital Transformation is a new academic area focusing on transformation of businesses, organisations, and government happening due to massive use and innovation of digital technology. I will present an approach to Health Informatics area within the framework of Digital Transformation and Innovation created at the Dalhousie University. In the second part, two research projects aimed at learning about health from opinion mining and behavioural analytics. We use NLP to analyse data of a survey of over 50,000 participants in the CLSA dataset (Canadian Longitudinal Study of Health Aging) to learn about what people consider to be healthy aging. In the second project, we show that by analysis of playing data in gaming machines, it is possible to detect playstyle and possible gambling problems by mining player behaviour data.

Short bio: Dr. Vlado Keselj graduated in Computer Science at the University of Belgrade, Serbia, and obtained Master's and PhD at the University of Waterloo, Canada. He has been a professor at the Dalhousie University, Canada since 2002, and published more than 100 publications in the area of Natural Language Processing and Artificial Intelligence. He a recipient of the Distinguished Service Award by the Canadian Association for Artificial Intelligence (CAIAC) in 2019.

Speakers

Speaker: Dr. Vlado Keselj, Professor of Computer Science, Dalhousie University, Halifax, Canada
Host: Natasa Przulj, Integrative Computational Network Biology Leading Researcher, BSC Life Sciences Department
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