

CISTalks

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Open to the public. All are invited.

Explainable AI

Ayşe Başar

Data Science Lab, Toronto Metropolitan University

Abstract

Autonomous systems use black box deep learning and generative AI models. Explainable AI field focuses on methods and models which make the model predictions understandable by the users. Interpretability creates trust between the models and its users. Researchers and practitioners need to use explainable AI methods in many applications of machine learning to benefit from the high predictive accuracy of the complex machine learning models while satisfying different requirements associated with explainability. In this presentation I will talk about our recent published work on AI/ ML explainability.

Biography

Dr. Ayşe Başar is a professor and the director of Data Science Laboratory (DSL) in the Faculty of Engineering, Toronto Metropolitan University (TMU). She is the Program Director of both Certificate Program in Data Analytics, Big Data, and Predictive Analytics, and the Master of Science Program in Data Science and Analytics at TMU. She is a faculty research fellow of IBM Toronto Labs Centre for Advance Studies, affiliate research scientist in St. Michael's Hospital in Toronto, and adjunct professor in the Department of Computer Engineering at Boğaziçi University. Her research focus is on explainable AI and Machine Learning. She has published more than 300 articles in journals and conferences. She is a member of AAAI, INFORMS, AIS, a senior member of IEEE, and a board member of IEEE Computer Society Publications.