Data Science Seminar Series

Wednesday, February 8, 11:30-12:30 pm, OM1241

TITLE

Classification of NLP Data -- ML Models' Performance Comparison

SPEAKER

Dr. Rifat Saeed

ABSTRACT

Machine learning (ML) for natural language processing (NLP) and text analytics involves using machine learning algorithms. NLP is applied to anything that contains text: social media comments, online reviews, survey responses, even financial, medical, legal, and regulatory documents. In essence, the role of machine learning and AI in natural language processing and text analytics is to improve, accelerate and automate the underlying text analytics functions and NLP features that turn this unstructured text into useable data and insights. Different ML models will be compared against accuracy, precision, recall, f1, and ROC. Bayesian, Random Forest, and Logistic Regression classifiers will be compared against performance.

BIOGRAPHY

Dr. Rifat Saeed received his master' degree in physics from Punjab university and master's in Data Science from Texas Tech University, USA. His interests are machine learning, deep learning, NLP, and ML models' applications in text, numeric, and image data.

https://www.tru.ca/science/masters-degrees/mscds/Data_Science_Seminar_Series.html