

Data Science Seminar Series

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

TITLE

Feature Importance of State Fragility Index variables using deep learning

SPEAKER

Dr. Rifat Saeed

ABSTRACT

Deep Learning algorithms are inspired by the structure, and function of the brain called artificial neural networks. Biggest advantage of using deep learning approach is its ability to execute feature engineering by itself. Deep learning models outperform other machine learning models for big data.

Title of the research was 'Impact of State Fragility on Sovereign Credit Default Swap'. Deep learning model was used for feature importance of state fragility index (FSI) variables. SFI factors were cohesion, economic, political, and social factors of a state. Permutation feature importance reshuffling approach was used.

BIOGRAPHY

Dr. Rifat Saeed received his Master' Degree in physics from Punjab University and Master's Degree in Engineering from Quaid e Azam University, and Master's in Data Science from Texas Tech University, USA. His interests are deep learning, machine learning, and NLP.

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