**Global stock market investment strategies based on financial network indicators using machine learning techniques**

This paper combines the varying markets around the world to form a network and use all of them to perform a time series forecasting on stock data using some simple machine learning algorithms such as regression, random forests and SVM. The paper uses the parameter of volatility for forecasting the Z-score of each stock indices and then applies two strategies to find out which one performs better with each algorithm.

**Forecasting stock crash risk with machine learning**

This paper experiments with various features in order to find out which feature is responsible towards the financial distress of a stock. It also sheds light on the use of NLP techniques in order to extract data from news articles and find the features of stock market which has the highest variability in its SHAP score. It also uses distance-to-default parameter.

**Stock Price Pattern Prediction Based on Complex Network and Machine Learning**

This paper converts the problem of prediction into a classification one by not actually predicting the price but rather predicting the trend in the stock price.

**Novel Method of Identifying Time Series Based on Network Graphs**

This paper uses a genetic algorithm in order to perform feature selection and gives these features as input variables to an artificial neural network in order to evaluate the buy-and-hold strategy.