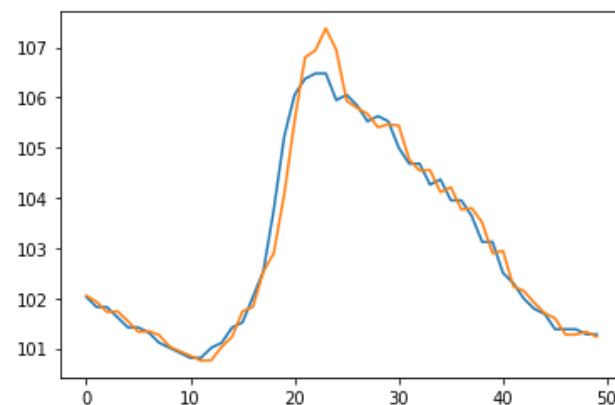
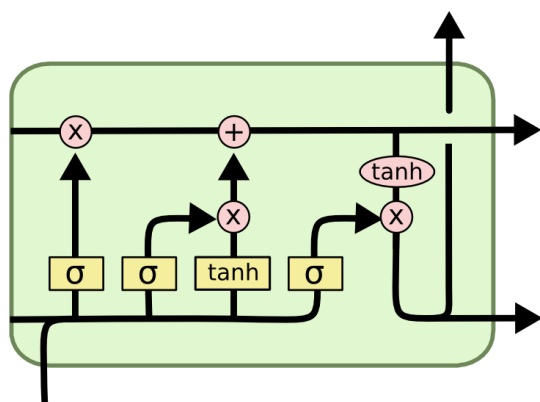


MODEL PREDICTION COMPARISON

Abstract Based on the data set of growth rates of personal consumption and personal income in the USA, performing multiple models comparison like grey prediction model, long short-term memory, random forest, SVM, KNN, K-Means, decision tree, Multi-LR.

Models Comparison

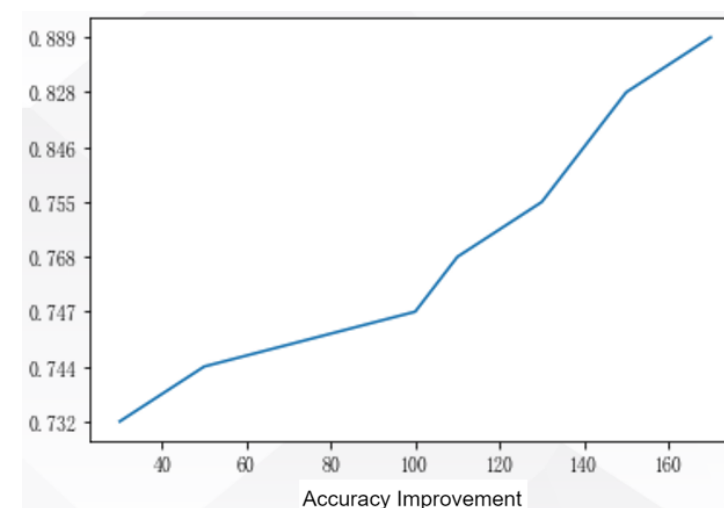
LSTM



LSTM networks are well-suited to classifying, processing and making predictions based on time series data.

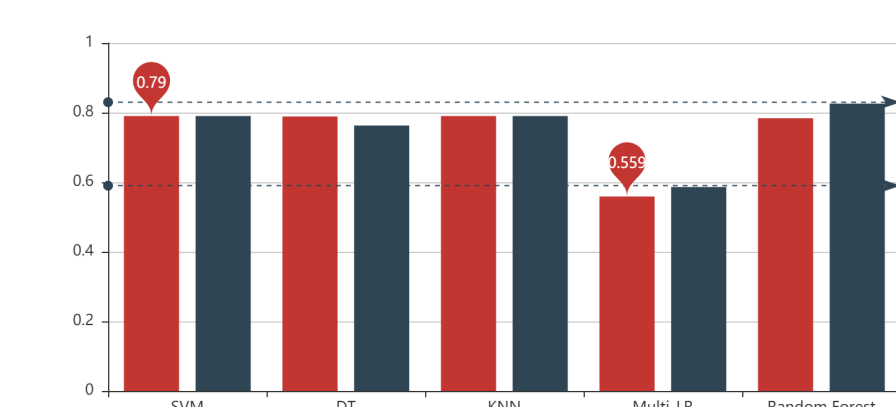
GREY MODEL

Data is complex, but it is orderly and has an overall function. The generation of grey number is to find out the law from the clutter.

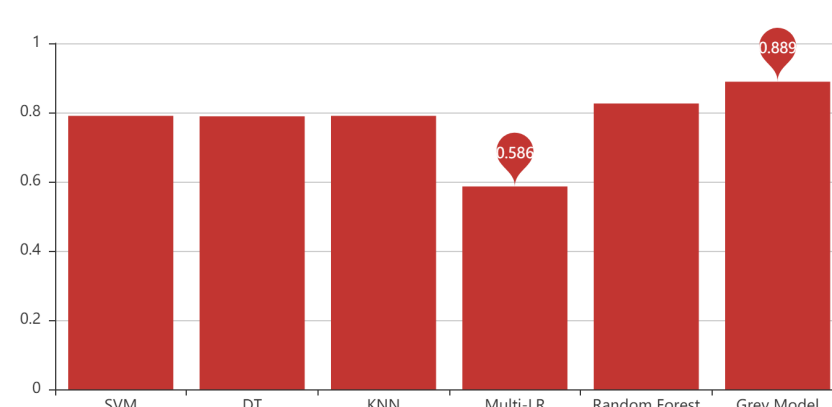


ML MODEL

Dataset Comparison



Best Accuracy Comparison



Highest accuracy & Dimension Reduction