

User Manual

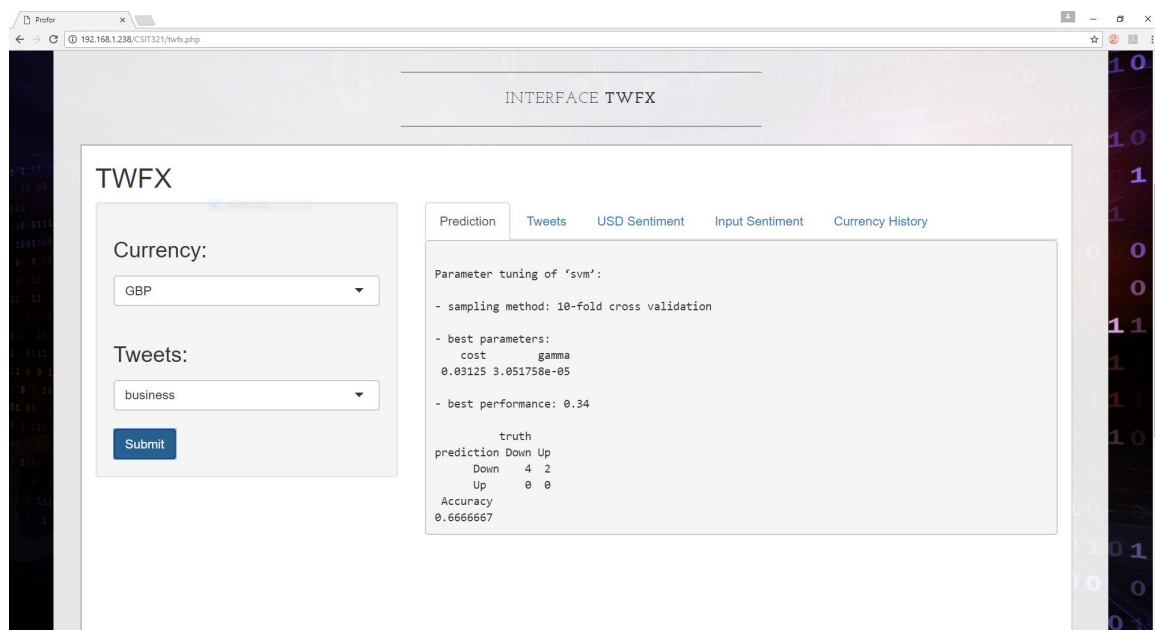
TWFX

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Prediction

The Prediction tab of TWFX predicts the trend of an input currency against USD. The input currency can be selected from the left side bar noted by Currency. Available options are JPY and GBP. Below is a screenshot of the prediction for USD against GBP.

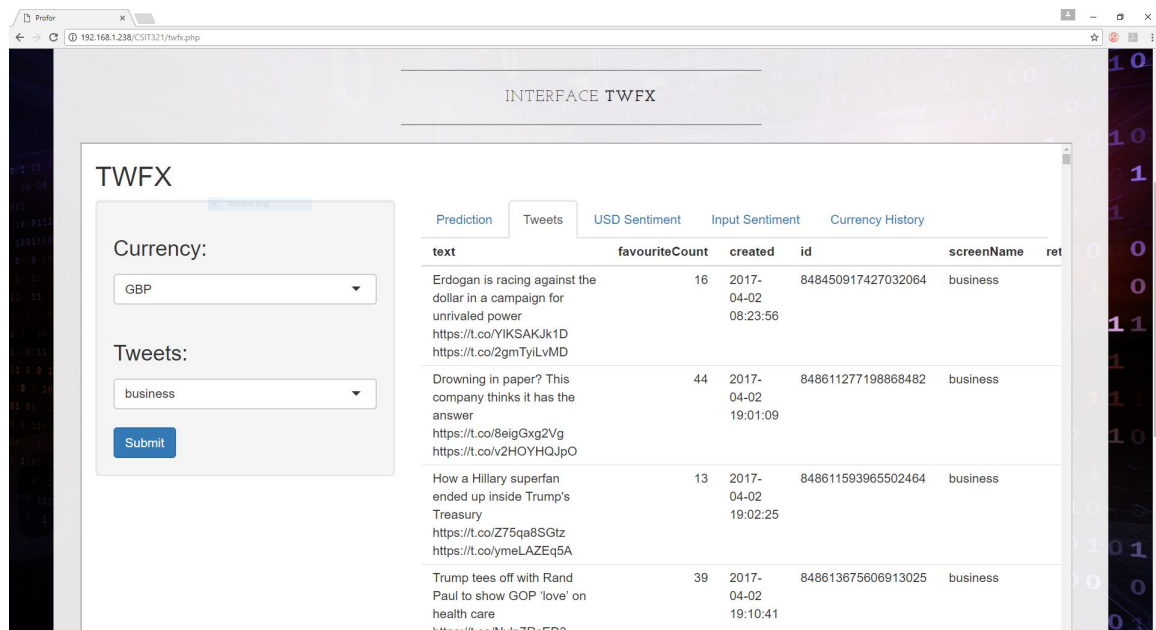


The Prediction tab shows the accuracy of the model on the training set with 10-fold cross-validation. The best C and γ used to train the model is also shown with the confusion matrix on the test set and the accuracy on the test set.

Tweets

Users could use the Tweets tab to view collected tweets as a data frame. Users could select tweets from desired twitter account from the left side bar noted by Tweets. Available options are

business, nikkei, and BBCBusiness. The screenshot below shows the tweets from the business twitter account.



USD Sentiment

The USD Sentiment shows the analysis of the sentiment for the USD foreign exchange market. The graph shows the trend of the neutral, positive, and negative tweets. Below is a screenshot of the USD Sentiment.



Input Sentiment

Users could view the analysis of the sentiment of the currency being predicted against USD. The graph shows the trend of the neutral, positive, and negative tweets similar to USD Sentiment. Users could select the desired currency at the left side bar noted by Currency. Available options are JPY and GBP. Below is a screenshot of the sentiment analysis of JPY foreign exchange market.



Currency History

Currency History shows the past trend for USD against the selected currency. Users could select the currency at the left side bar noted by Currency. Available options are JPY and GBP. The screenshot below shows the past trend of USD against JPY.

