Crypto Currencies Price Prediction Using LSTM-RNN And Random Forest

Subject : 4IT31 - Minor Project Information Technology Department

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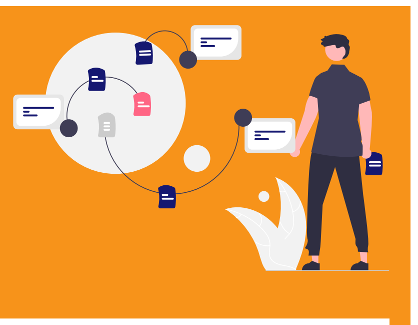
Abstract

Main objective of our product is to simplify collection of past data of crypto-currencies and making easy prediction of future crypto prices for our customers. They can predict future price by two best algorithm for prediction – LSTM-RNN and Random Forest.

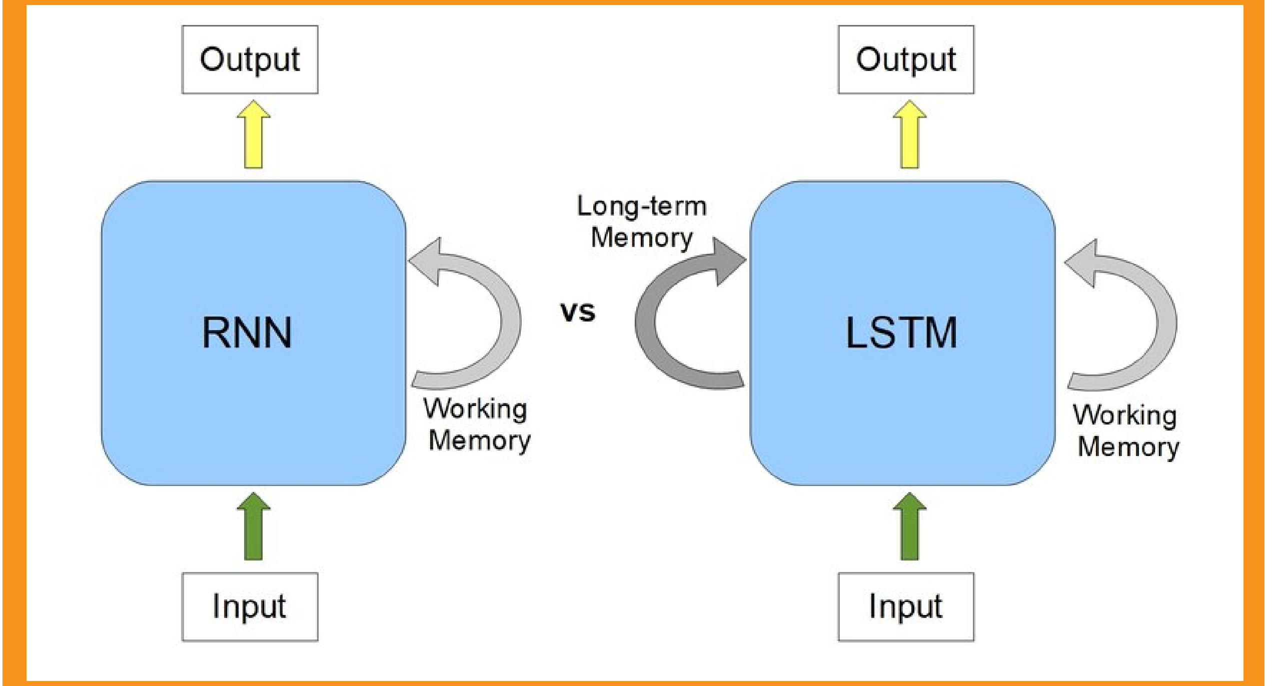
Modules

- Login / SignUp
- Data Collection
- LSTM-RNN
- Random Forest
- Graphical Representation
- Crypto News

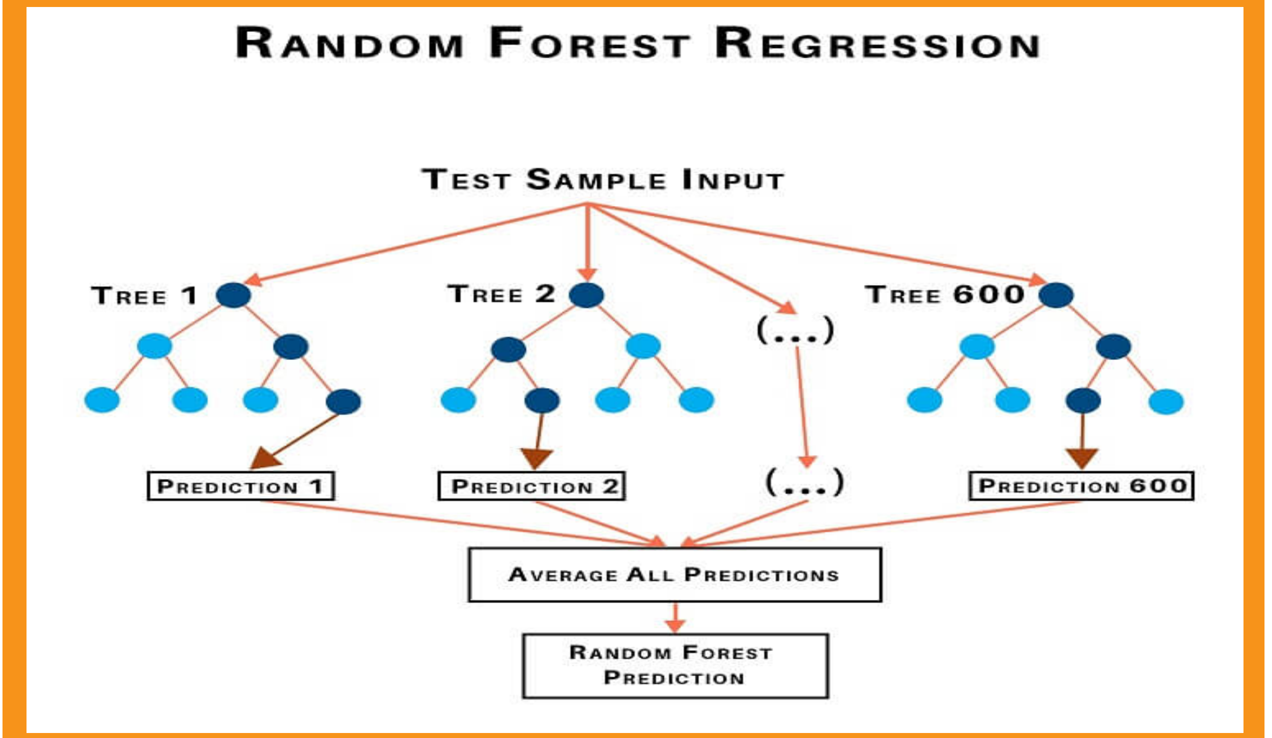
Main Approach



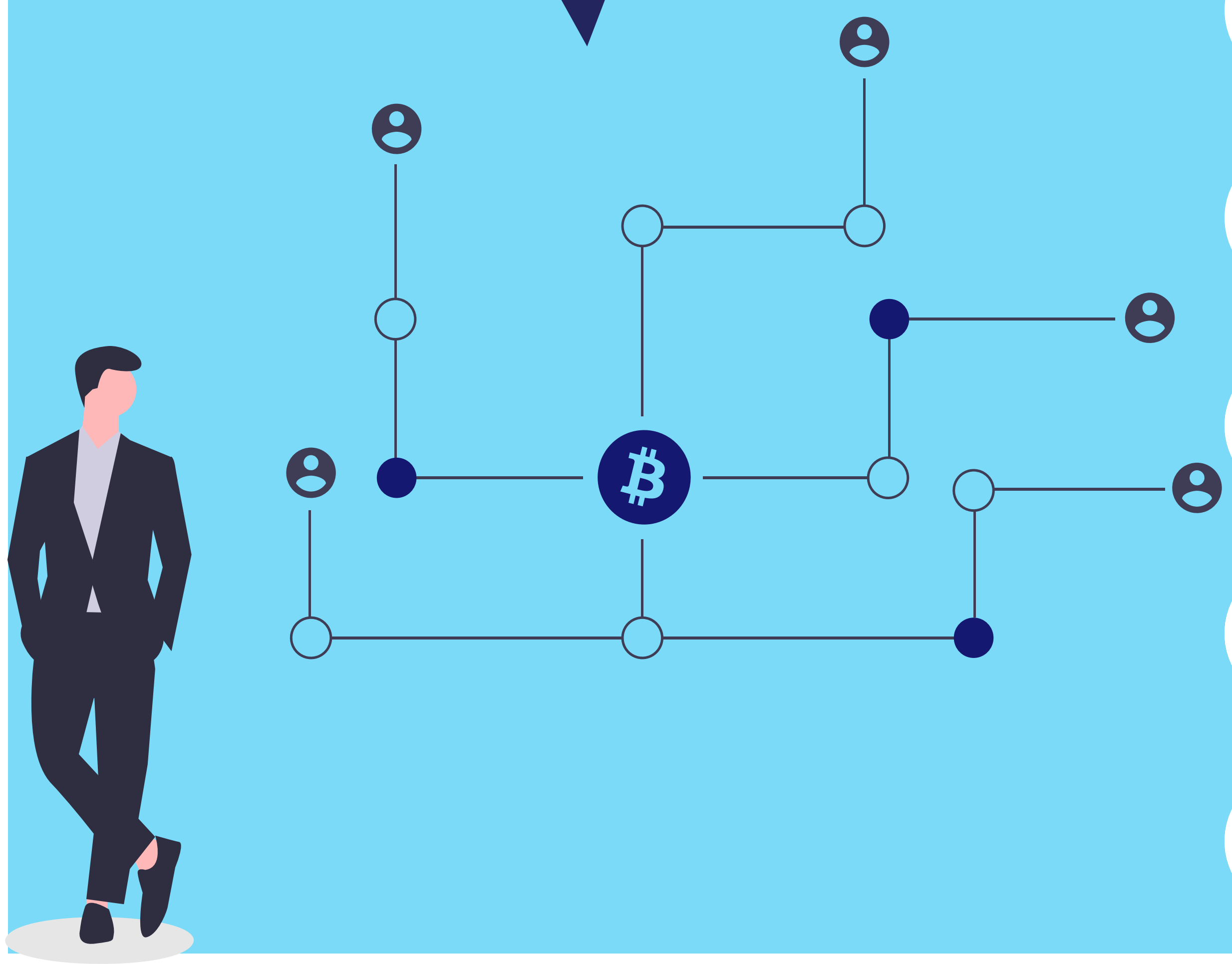
1 LSTM


Output
RNN
Working Memory
vs
Long-term Memory
Output
LSTM
Working Memory
Input
Input

2 Random Forest Regression


RANDOM FOREST REGRESSION
TEST SAMPLE INPUT
TREE 1
TREE 2
(...)
TREE 600
PREDICTION 1
PREDICTION 2
(...)
PREDICTION 600
AVERAGE ALL PREDICTIONS
RANDOM FOREST PREDICTION

> Plan your next move because every step contributes towards your goal.



Advantages

Free of Cost

Nowadays, there are many costly software available in the market. But Our product is 100% free of cost and this is main benefit of our project.

Accuracy

Moreover this software is giving the result around 85% sure , so it is very helpful for crypto currency's beginners.

Minimum Need

Customer can use this system at any time. Only requirement is few amount of internet.

Price Prediction

Our product also provides future prices in two types of graph representation. 1. Normal graph 2. interactive graph

User friendly

This system is easy to use. So every user can use this product. And we reduce time for execution of algorithm by reload functionality.

Latest News

In this fast tranding technology everybody needs to know the current news about crypto currency , so here we also provide crypto news.

Conclusion

We found from various research papers and reviews from internet that most preferably LSTM RNN/RNN and Random Forest algorithms is best and most accurate algorithms to analyze the crypto currency market as well as stock market.

Our Team

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