Bitcoin Price Prediction and Analysis Using Deep Learning Models

The motivation behind the paper "Bitcoin Price Prediction and Analysis Using Deep Learning Models" is to explore the potential for predicting the price of Bitcoin using deep learning models. The authors aim to provide valuable insights into the cryptocurrency market for investors and policymakers.

The paper contributes to the field of cryptocurrency research by providing a comprehensive analysis of the potential for predicting the price of Bitcoin using deep learning models. The authors' innovative approach to model training and evaluation, combined with their use of a large and diverse data set, makes this study a valuable contribution to the field.

The authors used a data set consisting of daily price values collected from the Kaggle website from January 1, 2014, to February 20, 2018. They used deep learning models, including the Long Short-Term Memory (LSTM) and Gated Recurrent Unit (GRU) models, to predict the price of Bitcoin. The authors' proposed model includes data preprocessing, feature selection, model training, and model evaluation.

The authors' model achieved an accuracy of 96.5% in predicting the price of Bitcoin. The study provides valuable insights into the potential for predicting the price of Bitcoin using deep learning models, which could be used to minimize risks for investors and provide policymakers with valuable insights into the cryptocurrency market.

The paper has two main limitations. Firstly, the study only focuses on Bitcoin and does not consider other cryptocurrencies such as Ripple, Ethereum, and Litecoin. Secondly, the authors did not consider other factors that could impact the price of Bitcoin, such as political systems, public relations, and market policies.

The study's focus on Bitcoin limits its generalizability to other cryptocurrencies. Future research should consider other cryptocurrencies to provide a more comprehensive analysis of the cryptocurrency market.The authors did not consider other factors that could impact the price of Bitcoin, such as political systems, public relations, and market policies. Future research should consider these factors to provide a more accurate prediction of the price of Bitcoin.

The paper provides valuable insights into the potential for predicting the price of Bitcoin using deep learning models. The study's findings could be applied to minimize risks for investors and provide policymakers with valuable insights into the cryptocurrency market. Future research should consider other cryptocurrencies and factors that could impact the price of Bitcoin to provide a more comprehensive analysis of the cryptocurrency market.