Patent Search

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Abstract:

IMPLEMENTING MACHINE LEARNING AND DEEP NEURAL NETWORKS TO ANALYSE STOCK MARKET TRENDS AND ASSESS THE ACCURACY OF MARKET PREDICTIONS Ab
big data environment, we develop personalized information of college libraries based on big data from three aspects: the overall architecture of the system model, th
model of the system, and the design of system interface modules according to the design principles and requirements of the personalized information service systen
university library Service system design. In terms of the functional design of the platform, the service platform is divided into four levels: accurate identification of use
based on big data, personalized customized services based on artificial intelligence, academic research and discussion space based on integrated media, and fine-gra
resource aggregation based on knowledge. On this basis, a centralized model of individualized services of university libraries including internal and external personne
information resources, technology, services, processes, platforms, and environment has been constructed Artificial intelligence (AI) is one of the emerging trends and
of computing in libraries. It involves programming computers to do things, which if done by humans, would be said to require intelligence. The ultimate promise of ar
intelligence in libraries is to develop computer systems or machines that think, behave, and in fact rival human intelligence, and this clearly has major implications on
librarianship. The application of artificial intelligence in the library has become pervasive. They include expert systems for reference services, book reading and shelf-
robots, virtual reality for immersive learning among others. Although the incorporation of artificial intelligence in libraries can be perceived to alienate librarians from
it will probably help libraries do more rather than taking over the jobs of librarians. It will enhance their services delivery. Artificial intelligence will greatly improve libr
operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society With the advent of big data, there has been a rise
using deep learning to predict future stock market values and patterns. It is well-known that the stock market is turbulent, dynamic, and nonlinear. Estimating the pri
is difficult due to the large number of significant and minor factors, such as international politics, the state of the global economy, unanticipated occurrences, a comp
financial performance, etc. Nonetheless, because there is so much data, it is possible to identify interesting patterns. As a result, professionals in finance, research, ar
science are continuously searching for novel data analysis techniques to identify stock market patterns. Advanced machine learning techniques, such as text data ana
ensemble algorithms, have significantly enhanced the accuracy of predictions. Nonetheless, because the data is so volatile, unpredictable, and chaotic, analysing and
the behaviour of the stock market is one of the most difficult tasks. This study provides a generic framework for explaining how machine learning can be used to prec
market.

Complete Specification

Description:Descriptions

Due to the importance of the stock market to investors, experts in the financial and technical sciences devote a great deal of work to forecasting future stock marke
movements. This research aims to construct a cutting-edge model for predicting future price changes, with a particular focus on short-term forecasting. In the previ
decades, fundamental IT advancements have had a profound impact on how businesses run. Due to their significant impact on the economy, financial markets are
regarded by many as one of the most fascinating phenomena. In 2018, the entire value of the world's stock markets was $68.654 trillion, according to the World Bar
recent years, the rapid development of technology has contributed to the increase in popularity of stock trading. Investors are always on the hunt for novel approac
maximise profits and minimise losses. Predicting the stock market is challenging due to the market's nonlinear, volatile, unpredictable, and stochastic characteristic
SMP technique is an example of time-series forecasting, which is the rapid analysis of historical data to anticipate its future evolution. Analysts from diverse fields, i
economics, mathematics, materials science, and computer science, are concerned that they may not be able to accurately forecast the behaviour of financial marke
Profiting from trading stocks is a crucial aspect of stock market prediction. The success of the stock market is determined by factors such as the market value of a sl
performance of a company, government regulations, the gross domestic product, inflation, natural disasters, and other events. The Efficient Market Hypothesis (EM
states that stock trading expenses are highly sensitive to new information and follow a random walk pattern. Consequently, you cannot predict stock prices based p
past performance. People once firmly supported this position. Experts believe that as technology develops, it will eventually be able to predict stock market prices. I
possible to predict changes in the commercial and economic sectors by combining data from market history and social media websites. Systems that attempt to pre
stock market rely primarily on the algorithm's utilisation of the features. Researchers have proposed a few enhancements to the stock-explicit characteristics, but th

View Application Status