Patent Search

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Abstract:

Artificial Intelligence based Automatic Stock Price prediction System to predict High, Low and Closing Price using cloud computing and Machine Learning Algorithms A research focuses primarily on investigating how artificial intelligence and machine learning can be applied in the context of the stock investment industry. In order to effects of different algorithms, as well as their similarities and differences, the concepts and characteristics of the KNN, k-Means, bisecting k-Means, and ANN algorith investigated and analysed. Python scripts are used for stock analysis, and these strategies are implemented using such scripts. Companies are categorised and cluste groups according to the P/E ratio, dividend rate, fixed asset turnover rate, gross profit margin, and other indicators of each company. The purpose of this exercise is t the development possibilities of the stock and provide a reference for selecting appropriate investment strategies.

Complete Specification

Description:Descriptions:

The development of technology relating to artificial intelligence has made tremendous strides in recent years, as can be seen by the leaps and bounds that have be taken. In particular, the artificial intelligence known as AlphaGo, which was developed in the United States by Google Inc., issued a challenge to human Go players ir and eventually won the game, catapulting artificial intelligence to the position of dominance in the field. Following that, neural networks, machine learning, and oth of artificial intelligence were well known and found widespread application across a variety of industries, including the market for stocks and securities. The stock m one of the most difficult and ever-changing aspects of the financial business. Finding an investment strategy that is suitable for your needs can be very challenging. most important question is how to generate reliable forecasts. Politics, economics, and the market all have an impact on the stock market. They are also influenced practises of investors. The stock value may fluctuate significantly as a direct result of the volatility of its various components. It is challenging to formulate a fundam linear function expression that relates stock prices to a variety of elements when one uses strict analysis. Therefore, many classic investment models are able to pro some advice for investments; but, when it comes to the forecast of financial goods that lack regularity, these models are typically disappointing. This is due to the fa conventional models of investment are predicated on the idea that investors will act in a manner that can be anticipated. The strategy of utilising artificial intelligen possesses a wide range of qualities, some of which are nonlinearity, learning, self-organization, and self-adaptation, to name a few. When applied to scenarios that complicated, it is feasible for it to successfully make up for the limitations that are caused by traditional financial measuring methods. As a consequence of this, quantitative investment, which is founded on technologies such as artificial intelligence and machine learning, has made great strides in recent years and may now

View Application Status