Domain: Machine Learning

Project: Stock Market Prediction

Abstract

Machine Learning is gaining a lot of attention these days, since we can develop algorithms that can make predictions and classifications based on previous data. Therefore, we are enabling computer to take decisions.

Stock market is a promising financial investment that can generate great wealth. However, the volatile nature of the stock market makes it a very high risk investment. Thus, a lot of researchers have contributed their efforts to forecast the stock market pricing and average movement. Researchers have used various methods in computer science and economics in their quests to gain a piece of this volatile information and make great fortune out of the stock market investment.

Our project focuses on solving two major problems that is to predict whether a stock price will rise or fall and to make price predictions. Our software stack consists of Python 3, scikit-learn, Numpy, Pandas and Python GUI. We intend to provide a user-friendly graphical user interface to work on our software.

Our aim is to make predictions with highest possible accuracy from our Machine Learning Algorithms.