Machine Learning Project Report

Stock Price Prediction

We have used yahoo finance to extract the historical prices data of the following companies.

We have tried solving the problem of stock market prediction using below mentioned methods.

1. Using artificial neural networks
2. Using Arima based time series modelling

In ANN based prediction we tried to predict the closing stock prices for a particular date using opening, High, Low, Volume, AdjClose, Close data till previous date.

We have chosen the following companies such that they are from varied range of sectors. We are choosing varied range of companies so as to find efficiency of algorithm against varied input data.

The following are the companies and Mean Square Error plots of the same.



