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# Executive Summary

This is a project proposal for “Stock Price Prediction” using Machine Learning and Neural Networks. Stock market data is one of the most interesting for analytics, as just a single individual value “Stock Price or Price of a Stock” is the basis of multiple complex data patterns when it is perceived with a time factor. This representation of stock price recorded in succession over a period makes it a time series data.

This project will take a recorded history of stock price over a period and will use Machine learning to read the pattern of price with trend and Neural networks to make the price prediction for the given stock.

# Goals

Use Machine learning algorithms to read price of a stock and find the patterns for a given period, in the asymmetric time series data. Use the patterns and latest stock price as the input to the neural network to make predictions for the given stock.

# Problem Statement

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