# Resources for S&P Predictor

-Article: [Forecasting S&P 500 index using artificial neural networks and design of experiments | Journal of Industrial Engineering International](https://link.springer.com/article/10.1186/2251-712X-9-1)

-List Of Potential Factors: <https://link.springer.com/article/10.1186/2251-712X-9-1/tables/1>

-Tenserflow Visulization Tool : [A Neural Network Playground](https://playground.tensorflow.org/#activation=tanh&batchSize=10&dataset=circle&regDataset=reg-plane&learningRate=0.03&regularizationRate=0&noise=0&networkShape=4,2&seed=0.15866&showTestData=false&discretize=false&percTrainData=50&x=true&y=true&xTimesY=false&xSquared=false&ySquared=false&cosX=false&sinX=false&cosY=false&sinY=false&collectStats=false&problem=classification&initZero=false&hideText=false)

-Stanford RNN Cheat Sheet: [Recurrent Neural Networks Cheatsheet - CS 230](https://stanford.edu/~shervine/teaching/cs-230/cheatsheet-recurrent-neural-networks)

-Tenserflow RNN Example Implmentation: [Working with RNNs | TensorFlow Core](https://www.tensorflow.org/guide/keras/working_with_rnns)

-Keras Tuner : [KerasTuner](https://keras.io/keras_tuner/)

-Keras Sequential : [The Sequential class](https://keras.io/api/models/sequential/)

-RNN Simple Guide: [A practical guide to RNN and LSTM in Keras | by Mohit Mayank | Towards Data Science](https://towardsdatascience.com/a-practical-guide-to-rnn-and-lstm-in-keras-980f176271bc)

-Stanford Students Aproach : [Predicting stock prices with LSTM Networks](https://cs230.stanford.edu/projects_winter_2019/reports/15624789.pdf)

-Article : [Effectively training neural networks for stock index prediction: Predicting the S&P 500 index without using its index data | PLOS ONE](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0230635)