**stock market prediction using a diverse set of variables Data Set**

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| **Abstract**: This dataset contains several daily features of S&P 500, NASDAQ Composite, Dow Jones Industrial Average, RUSSELL 2000, and NYSE Composite from 2010 to 2017. |  |

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| **Data Set Characteristics:** | Sequential, Time-Series | **Number of Instances:** | 1985 | **Area:** | Computer |
| **Attribute Characteristics:** | Real | **Number of Attributes:** | 84 | **Date Donated** | 2019-12-26 |
| **Associated Tasks:** | Classification, Regression | **Missing Values?** | Yes | **Number of Web Hits:** | 24373 |

**Source:**

[**https://archive.ics.uci.edu/ml/datasets/CNNpred%3A+CNN-based+stock+market+prediction+using+a+diverse+set+of+variables**](https://archive.ics.uci.edu/ml/datasets/CNNpred%3A+CNN-based+stock+market+prediction+using+a+diverse+set+of+variables)

**Data Set Information:**

It covers features from various categories of technical indicators, futures contracts, price of commodities, important indices of markets around the world, price of major companies in the U.S. market, and treasury bill rates. Sources and thorough description of features have been mentioned in the paper of 'CNNpred: CNN-based stock market prediction using a diverse set of variables'.

**Attribute Information:**

Provide information about each attribute in your data set.

**Relevant Papers:**

CNNpred: CNN-based stock market prediction using a diverse set of variables  
U-CNNpred: A Universal CNN-based Predictor for Stock Markets

**Task:**

Use 2 most appropriate algorithms in machine learning or AI to predict the stock market after studding the dataset and the features. The output should be with API to be tested.

Hints:

* You can go for regression and feature reduction
* You can do prediction on any 2 meaningful attributes (one continuous attribute and the other is discrete one)
* If you can use python and R languages together will be perfect
* Some figures for visualizing the results will be good
* Give interpretation for the result.

Best of Luck