

# ADS506 Assignment 1.2 sp500\_stocks

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## Assignment: Propose a Time Series Dataset for Your Final Project ### Data Source

The data source is the S&P 500 stock data from Kaggle. The dataset contains the stock prices of the S&P 500 companies from 2013 to 2018. The dataset contains the following columns:

```
#library(<PACKAGE_DEPENDENCIES>)
library(readr)
library(dplyr)
library(tsibble)

# Load data
sp500_data <- read_csv("/Users/gabrielmancillas/Desktop/ADS-506/Mod 01/Assignment 1.2/data/sp500_stocks")

# Show data
head(sp500_data)
```

```
## # A tibble: 6 x 8
##   Date      Symbol `Adj Close` Close  High    Low  Open  Volume
##   <date>    <chr>      <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1 2010-01-04 MMM          44.0  69.4  69.8  69.1  69.5 3640265
## 2 2010-01-05 MMM          43.7  69.0  69.6  68.3  69.2 3405012
## 3 2010-01-06 MMM          44.4  70.0  70.7  69.8  70.1 6301126
## 4 2010-01-07 MMM          44.4  70.0  70.0  68.7  69.7 5346240
## 5 2010-01-08 MMM          44.7  70.5  70.5  69.6  70.0 4073337
## 6 2010-01-11 MMM          44.5  70.2  70.7  69.7  70.6 3500812
```

## Data Source

Include public links to data if it is too large to upload (do not upload datasets larger than 50MB).

## Importing the Data

```
# import the data...

# transform if necessary
```

## Time Series Plot

```
#time series plot...
```

## Discussion

...