Stock Market Data processing using spark

Stock Market trading generates huge real-time data. Using stock data of any 10 companies, compute the following:

1. Compute average closing price per month.
2. List the companies with highest closing price
3. List the number of large rises and falls in price
4. Compute statistical correlation.
5. (optional) Make predictions on stock data prices in the future

You must use the Apache spark data processing framework for the above task. To obtain stock data from yahoo finance, use the python script attached. Refer starter code for installing spark and getting started.