

### Assignment 1 - Data Mining Stock Prices

Data mining is the process of sorting through large amounts of data and picking out relevant information. In this assignment we want to do some preliminary data mining of a company's stock. This sort of data is available from [finance.yahoo.com](http://finance.yahoo.com), where you can, among other things, search historical data by company. For this assignment we'll look at Google from 2004 to 2012. The data-set you'll need is a table in CSV format and can be downloaded

from <https://www.dropbox.com/s/qr7cu2kui654kgz/googlePrices.csv>.

Your program should calculate the monthly average price for Google and tell us the best and worst six-month period for Google.

The average price is defined as  $((v_1 * c_1) + (v_2 * c_2) + (v_3 * c_3) + (v_4 * c_4) + \dots + (v_n * c_n)) / (v_1 + v_2 + v_3 + v_4 + \dots + v_n)$  where  $v_i$  is the volume for day  $i$  and  $c_i$  is the adjusted close price for day  $i$ .