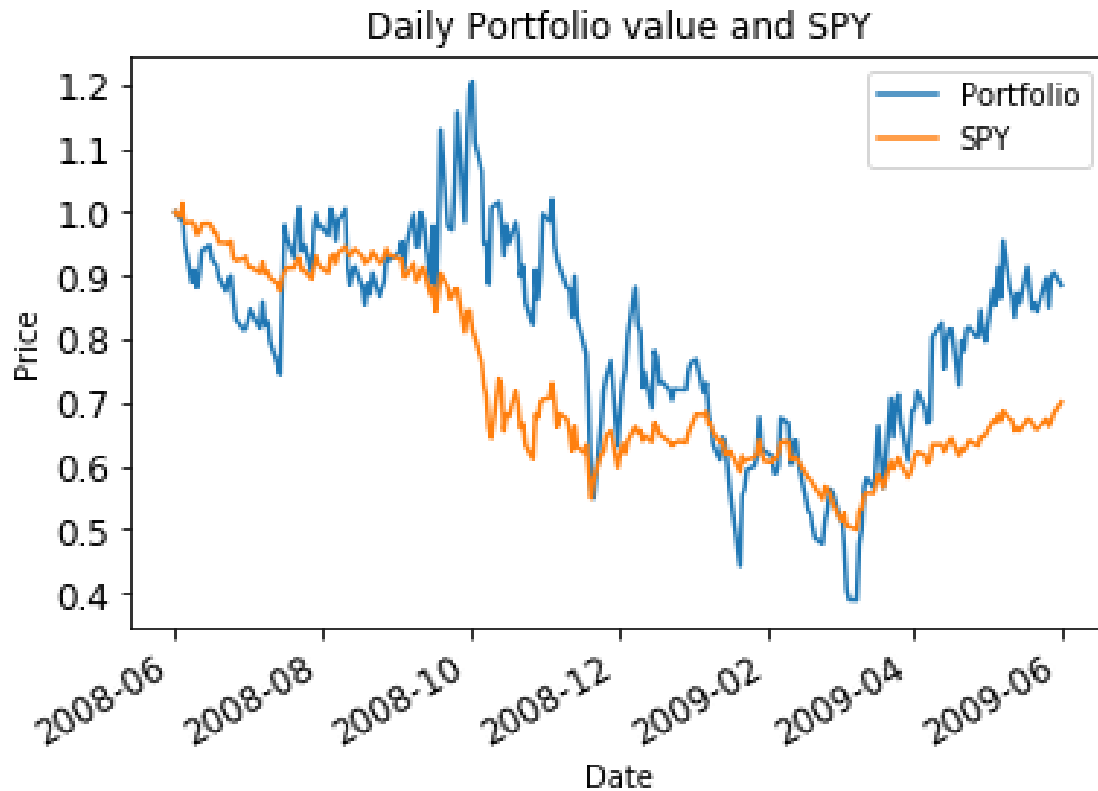


Project 2 (Optimizing a Portfolio)

Chart for the parameters:

Start Date: 2008-06-01, End Date: 2009-06-01, Symbols: ['IBM', 'X', 'GLD', 'JPM']



Start Date: 2008-06-01 00:00:00

End Date: 2009-06-01 00:00:00

Symbols: ['IBM', 'X', 'GLD', 'JPM']

Allocations: [5.55111512e-16 0.00000000e+00 0.00000000e+00 1.00000000e+00]

Sharpe Ratio: 0.4239525490741383

Volatility (stdev of daily returns): 0.06877365880459574

Average Daily Return: 0.001836703739402186

Cumulative Return: -0.11480908152734781