Matrices and the Stock Market

1分

Suppose I own two stocks, say General Motors and Kraft. I write down how many shares I own of each in a vector, $x = [10, 15]^T$. I.e. I have 10 shares of GM and 15 of Kraft.

In the middle of last year, GM stock cost 10.3 dollars per share, and Kraft cost 7.5.

At the end of last year, GM stock cost 8.2 dollars per share, and Kraft cost 7.9.

Create a matrix (2×2 `numpy` array, really) in the variable `stock_matrix` so that, when you apply matrix multiplication $\mathrm{stock\_matrix} \cdot x$, I obtain a vector with the value of my portfolio at the middle of last year (first entry) and today.

起始代码 (点击查看)

回答*

```
1 import numpy as np
```

按F9以打开/关闭全屏模式. 在 用户信息 (/profile/) 中设置编辑器模式.

保存回答 | 提交用于评分的回答

(您仍然可以在提交**本问题**后修改回答)