**Sample Code & 作業內容**

請參考作業範例Day74-Gradient\_Descent\_數學式說明與Day74\_Gradient Descent\_Math.ipynb

(1) dfunc 是 func 偏微分的公式，X^2 偏微分等於 2 \* X，可以同時改變 func、dfunc 內容

(2) 調整其它 Hyperparameters: w\_init、epochs、lr、decay、momentom測試逼近的過程

作業請提交Day74-Gradient\_Descent\_HW

[檢視範例](https://ai100-2.cupoy.com/samplecodelist/D74)

**參考資料**

* **機器學習-梯度下降法**

[**shorturl.at/cgS49**](https://www.jianshu.com/p/31740cd2ca48?utm_campaign=maleskine&utm_content=note&utm_medium=seo_notes&utm_source=recommendation)

* **gradient descent using python and numpy**

[**https://stackoverflow.com/questions/17784587/gradient-descent-using-python-and-numpy**](https://stackoverflow.com/questions/17784587/gradient-descent-using-python-and-numpy)

* **梯度下降算法的參數更新公式**

[**https://blog.csdn.net/hrkxhll/article/details/80395033**](https://blog.csdn.net/hrkxhll/article/details/80395033)