Python (1/3)

Download data set regression.csv from moodle

```
# loading libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

# loading training data
data = pd.read_csv('regression.csv')
X = data.iloc[:, 0].values
y = data.iloc[:, 1].values
```

```
data.corr()
```

```
X y
X 1.000000 0.949494
y 0.949494 1.000000
```

Python (2/3)

Complete the cost function

Python (3/3)

Complete gradient descent algorithm

- 畫出散點圖及最終的迴歸線
- [加分題] 畫出 iteration-cost 圖