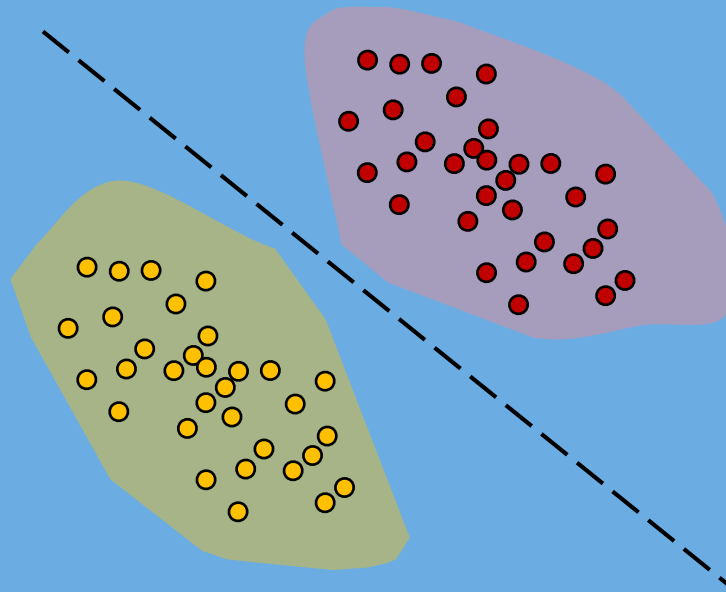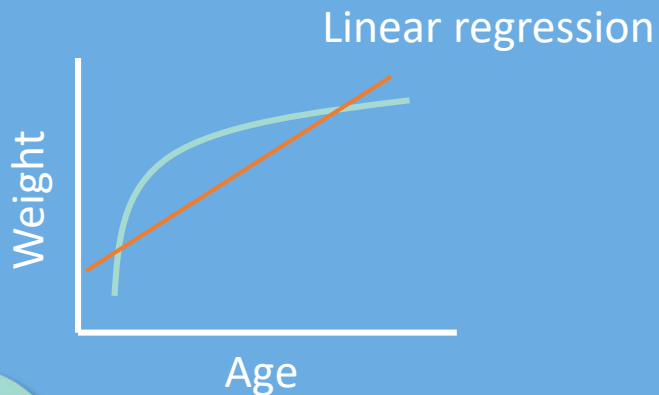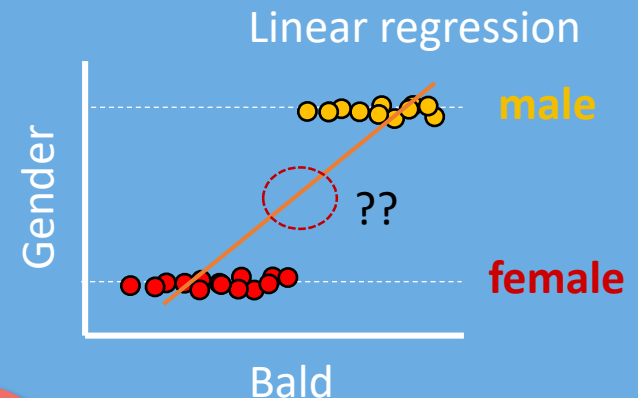# Logistic Regression

Outline

- What is the Logistic Regression ?

- How can we use it ?

- Practice

Logistic Regression

- The output is discrete value
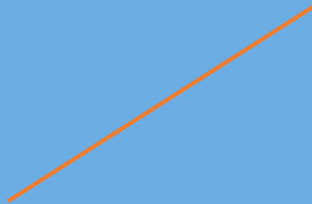
- It usually used to be a classification model

Linear regression

Weight

Age

Weight of a person

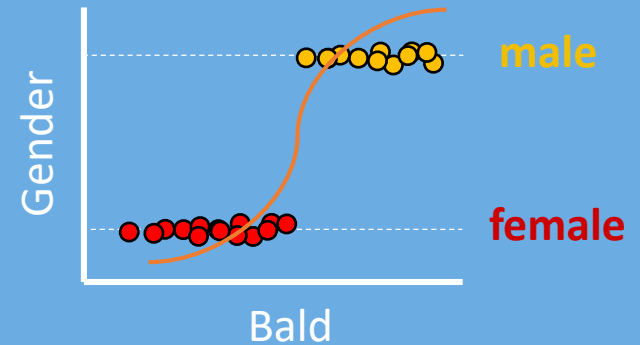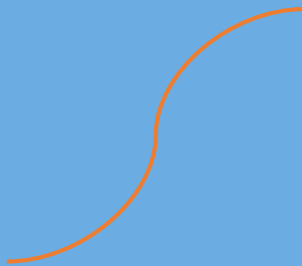Linear regression

Gender

male

??

female

Bald

Gender of a person

Logistic Regression
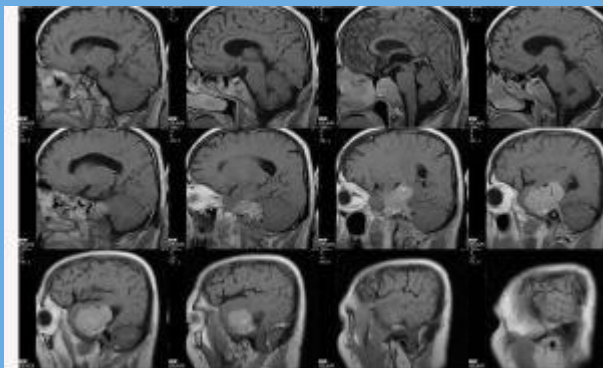
Linear regression

Sigmoid Function

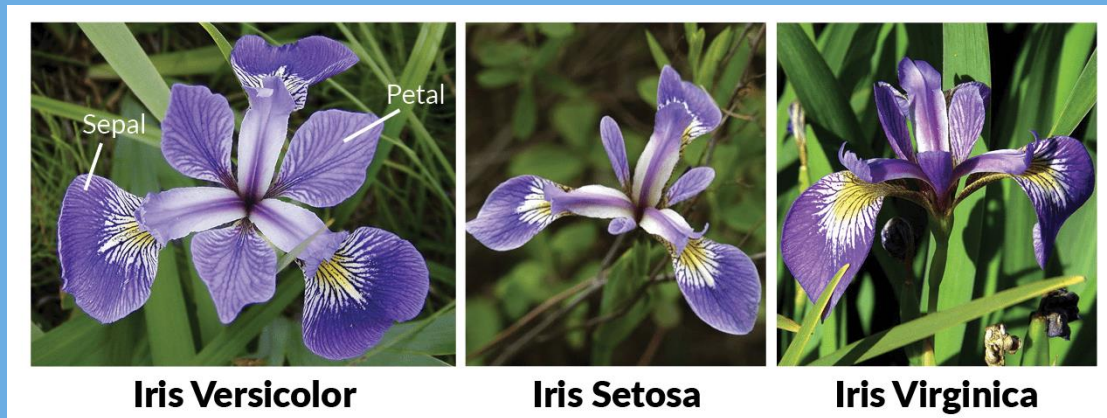Gender

Bald

male

female

分成兩類

Logistic Regression

- What are the benefits of Classifier ?

Logistic Regression

- IRIS Dataset

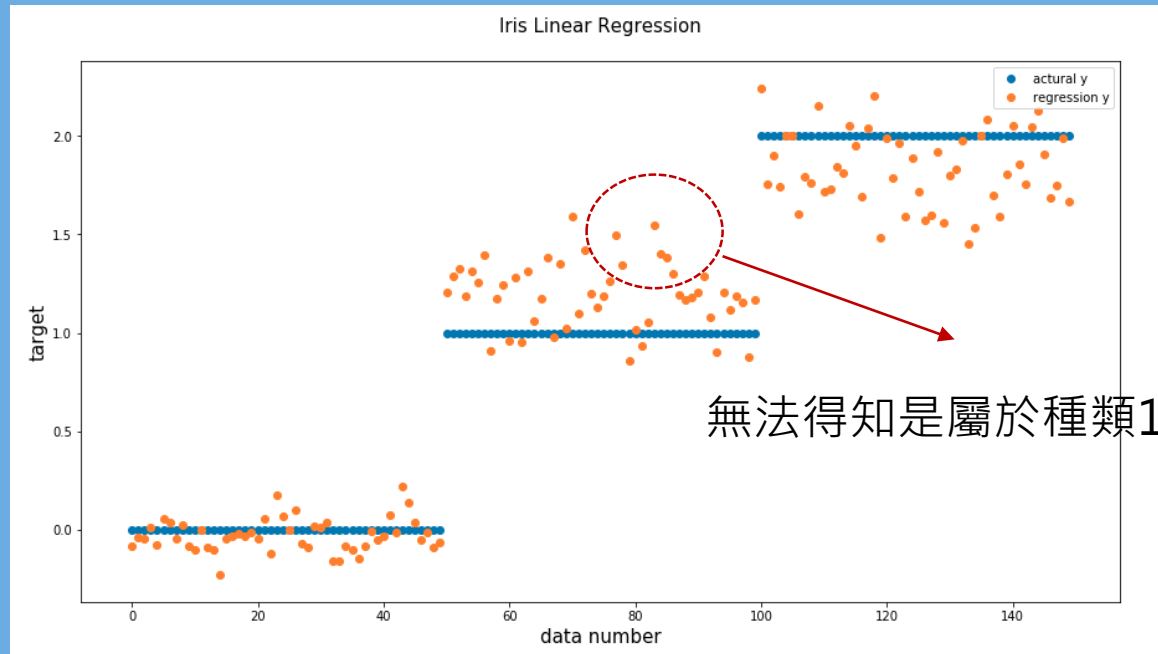**Iris Versicolor**　　**Iris Setosa**　　**Iris Virginica**
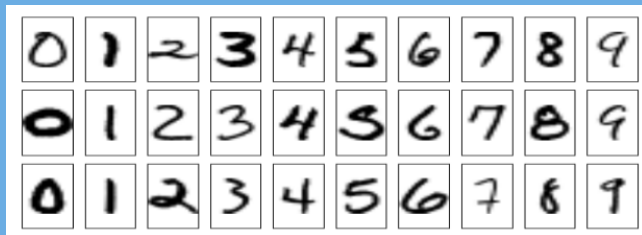
4 Features :
- sepal length (花萼長度)
- sepal width (花萼寬度)
- petal length (花瓣長度)
- petal width (花瓣寬度)

Logistic Regression

- IRIS Dataset

Logistic Regression

Logistic - Regression Practice

https://goo.gl/owZUam