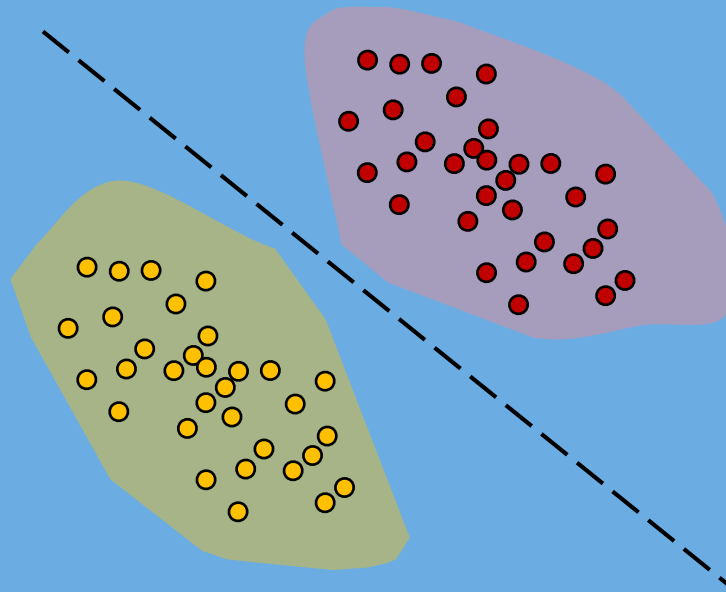


# Logistic Regression





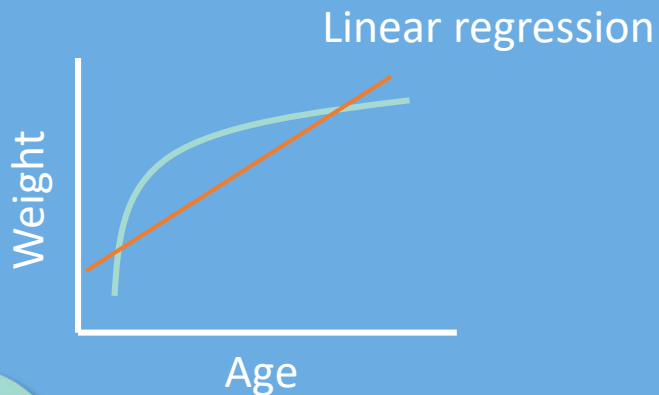
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# Outline

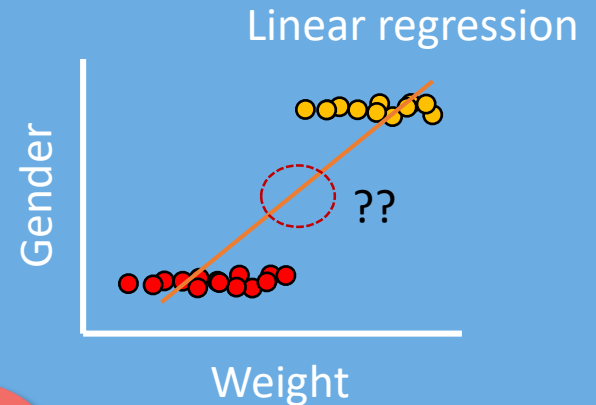
- What is the Logistic Regression ?
- How can we use it ?
- Practice

# Logistic Regression

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



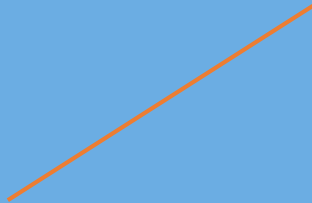
Weight of a person



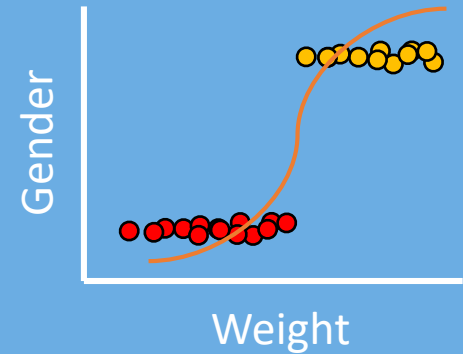
Gender of a person

# Logistic Regression

Linear regression

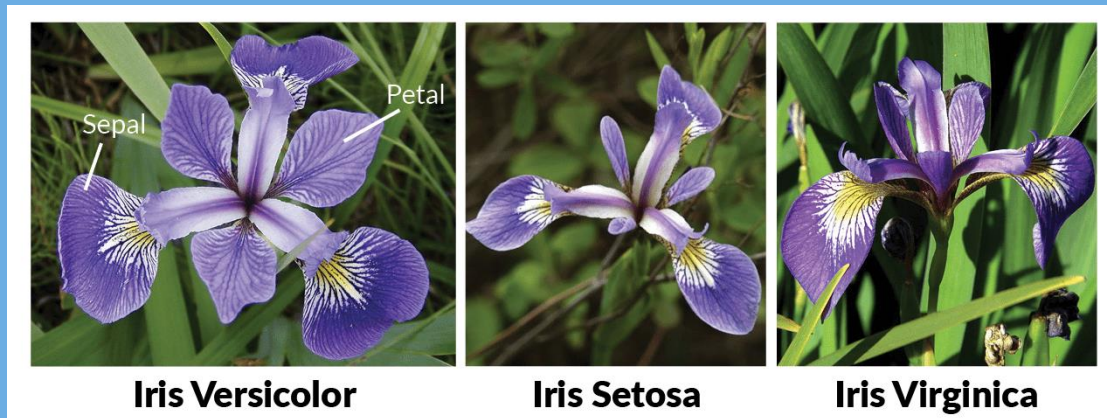


Sigmoid Function



# Logistic Regression

- IRIS Dataset

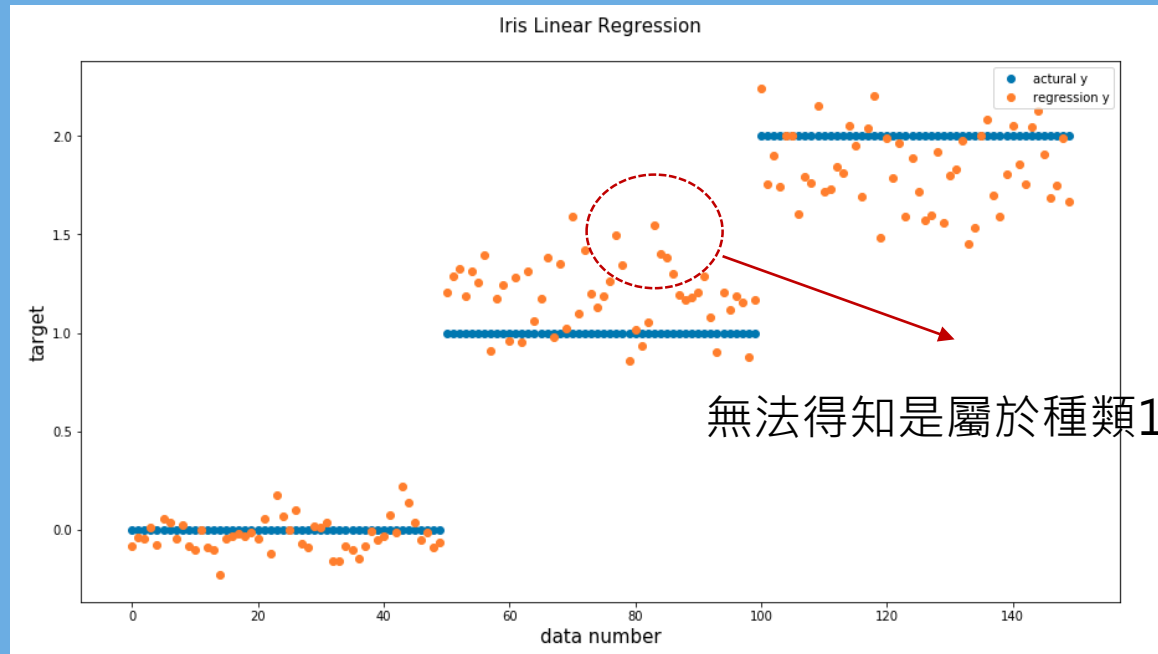


4 Features :

- 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

