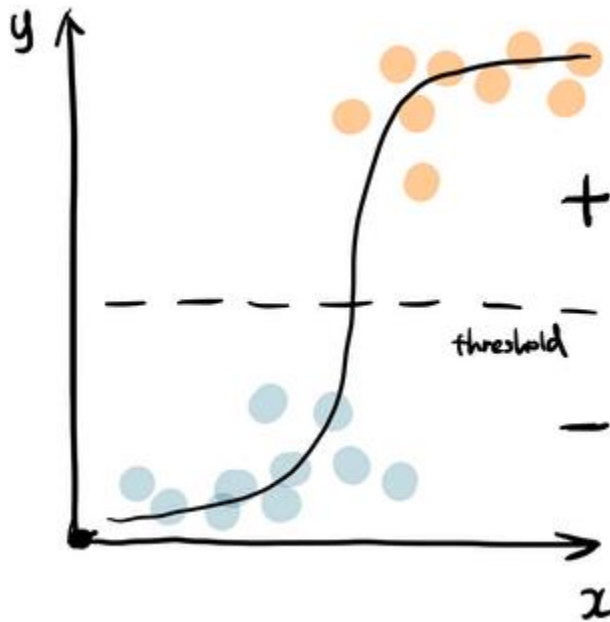# Logistic Regression

logistic regression (image by author)

Logistics regression uses sigmoid function above to return the probability of a label. It is widely used when the classification problem is binary — true or false, win or lose, positive or negative …

The sigmoid function generates a probability output. By comparing the probability with a pre-defined threshold, the object is assigned to a label accordingly. Check out my posts on logistic regression for a detailed walkthrough.

Below is the code snippet for a default logistic regression and the common hyperparameters to experiment on — see which combinations bring the best result.