**Introduction to Logistic Regression:**

In logistic regression we do the prediction thing that we predict the outcome of the values. For example, in a pair of dice we can predict the possibilities of the output.

In the same way everyone was intense to learn the value of the output value. This can be done by using the prediction function.

y=WTx

In the other side of the boat to predict a binary label

y∈{0,1}

P(y=1|x)=hW(x)=11+exp(−WTx)=Sigmoid(WTx)

  (1)P(y=1|x)=hW(x)=11+exp(−WTx)=Sigmoid(WTx)

 (1)P(y=0|x)=1−P(y=1|x)=1−hW(x)   (2)

