



Logistic regression

Logistic regression is a regression model where the dependent variable (DV) is categorical, where a categorical variable is a variable that can take on one of a limited, and usually fixed, number of possible values,

Logistic regression VS multiple linear regression

- There are many similarities between logistic regression and multiple linear regression, the biggest difference is that their dependent variables are different, and the others are almost the same.
- If the dependent variable is continuous, that is, multiple linear regression, if it is the two distribution, that is the logistic regression.

Application

- To explore the risk factors of a disease and predict the probability of a disease according to the risk factors.
- If we have established the logistic regression model, we can predict the probability of a disease or a certain situation under different independent variables according to the model.