**Summary**

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Linear Regression:

Linear regression is using the statistical analysis of regression analysis to determine the quantitative relationship between two or more variables of a statistical analysis of a wide range of applications. Its expression is y = w'x + e, e is the normal distribution that the error obeys the mean value 0. [1]

Simple linear Regression analysis includes only one independent variable and one dependent variable, and the relationship between the two can be approximated by a straight line, this regression analysis is called a linear regression analysis. If the regression analysis includes two or more independent variables, it is called multiple linear regression analysis.

Logit Regression:

Logistic regression is a generalized linear regression analysis model. It is commonly used in data mining, disease diagnosis, economic forecasting and other fields. For example, exploring the risk factors that lead to the disease, and predicting the probability of the disease according to the risk factors.