

Sr. No.	Linear Regression	Logistic Regression
1.	Linear regression is used to predict the continuous dependent variable using a given set of independent variables.	Logistic regression is used to predict the categorical dependent variable using a given set of independent variable.
2.	Linear regression used to solve regression problems	Logistic regression is used for solving classification problems.
3.	In linear regression we predict the values of continuous variables.	In logistic regression, we predict the values of categorical variables.
4.	In linear regression, we find, the best fit line, by which we can easily predict the output.	In logistic regression, we find the S-curve by which we can classify the sample.
5.	Least square estimation method is used for estimation of accuracy.	Maximum likelihood estimation method is used for estimation of accuracy.
6.	The output for linear regression must be a continuous value, such as price, age, etc.	The output of logistic regression must be a categorical value such as 0 or 1, Yes or Not etc.
7.	In linear regression, the relation between dependent and independent variable is linear.	In logistic regression, it is not required that the relation between dependent and independent variable be linear.
8.	In linear regression there may be collinearity between the independent variable.	In logistic regression, there need not be collinearity between the independent variable.