

Real world implementation of Logistic Regression

A step by step approach to build both Binary and Multiclass Logistic Regression models



Credits: <https://www.appgate.com/blog/>

Classification techniques are an essential part of machine learning and data mining applications. Approximately 70% of problems in Data Science are classification problems. A popular classification technique to predict binomial outcomes ($y = 0$ or 1) is called Logistic Regression. Logistic regression predicts categorical outcomes (binomial/multinomial values of y), whereas linear Regression is good for predicting continuous-valued outcomes (such as the weight of a person in kg, the amount of rainfall in cm).

I have divided this article into 3 parts. In the first part we'll take a look at some of the important concepts of Logistic Regression, In the second part we'll build a Binary classifier and in the third part, we'll build a Multiclass classifier.

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