**Logistic Regression:**

**Logistic Regression**, also known as Logit **Regression** or Logit Model, is a mathematical model used in statistics to estimate (guess) the probability of an event occurring having been given some previous data. **Logistic Regression** works with binary data, where either the event happens (1) or the event does not happen (0).  
  
**Logistic Regression** for Beginners. **Logistic Regression** is a classification algorithm. It is used to predict a binary outcome (1 / 0, Yes / No, True / False) given a set of independent variables. To represent binary / categorical outcome, we use **dummy** variables

**When should I use logistic regression?**

Binary **Logistic Regression** is most useful when you want to model the event probability for a categorical response variable with two outcomes. For example, its often used in credit analysis in determining the risk whether the next customer is likely to default — or not default — on a loan.

Always between 0 and 1

Confusion Matrix