- Describe the formula for logistic regression and how the algorithm is used for binary classification.

Formula for Logistic Regression

Logistic Regression
$$\delta(t) = \frac{1}{1 + e^{-t}}$$

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$$f(x) = \delta(t) = \frac{1}{1 + e^{\beta_0 + \beta_1 x}}$$

 We can then use the result of f(x) as the probability of the data point being in the positive class.



