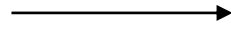**Siddhardhan**

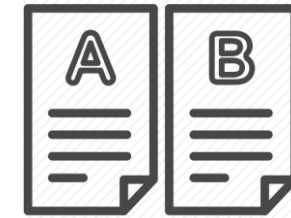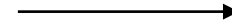# Fake News Prediction With Python

## Machine Learning Project

# Work Flow
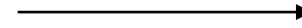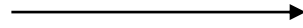
News Data → Data pre processing → Train Test split

Logistic Regression model

Trained Logistic Regression model

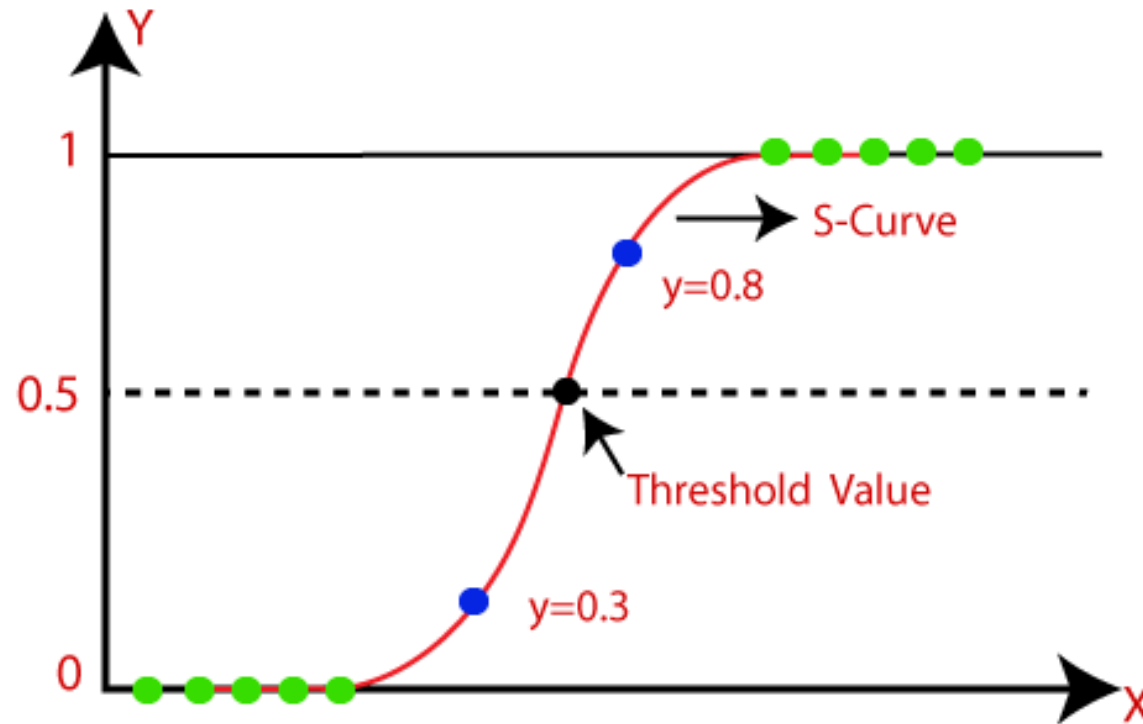New data → Trained Logistic Regression model → Real News (or) Fake News

Prediction

SIDDHARDHAN

# Logistic Regression



X – input features

Y – Prediction Probability

w – weights

b - biases

$$Y = \frac{1}{1 + e^{-z}}$$

Z = w. X + b

*Sigmoid Function*

SIDDHARDHAN