



Start-Tech Academy

# Logistic Regression

## Multiple Predictors

$$p(X) = \frac{e^{\beta_0 + \beta_1 X_1 + \dots + \beta_p X_p}}{1 + e^{\beta_0 + \beta_1 X_1 + \dots + \beta_p X_p}}$$

- Use maximum likelihood to calculate Betas
- Fix the Boundary condition as per business requirements

