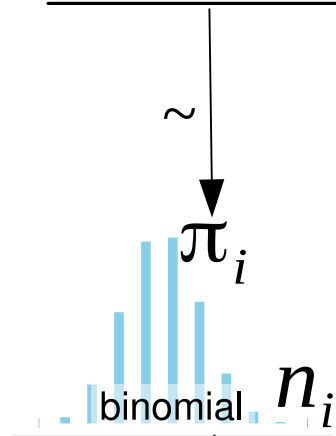


$$\underbrace{\text{logit}^{-1}(\beta_0 + \sum_{j=1}^{m-1} \beta_j X_{ij})}_{\sim}$$

A light blue curve representing an exponential distribution, starting high on the left and decaying towards the right. The label $\lambda_p X_{im}$ is above the curve, and "exponential" is written below it.

A light blue bell-shaped curve representing a beta distribution. The label $\omega_i \kappa_i + 1, (1 - \omega_i) \kappa_i + 1$ is above the curve, and "beta" is written below it.



$$y_i$$