$$Y = X\beta + \varepsilon$$
 (1)
 $Y = f(X) + \varepsilon$ (2)

$$Y = f(X) + \varepsilon \tag{2}$$

$$Y = \sum_{i=1}^{N} \gamma_i \varphi_i(X\beta_i) + \varepsilon \tag{3}$$

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$$Y = \sum_{j=1}^{M} \eta_j \varphi_j (\sum_{i=1}^{N} \gamma_i \varphi_i(X\beta_i)) + \varepsilon$$

$$(3)$$

$$\varphi = \frac{1}{1 + e^{-x}} \tag{5}$$