

Nearest-neighbor Projected Distance Regression (NPDR)

For each $a \in \mathcal{A}$ **do**

$$\text{logit} \left(p_{ij}^{\text{miss}} \right) = \beta_0 + \beta_a d_{ij}(a) + \epsilon_{ij}, \quad \forall (i, j) \in \mathcal{N}(k)$$

Hypotheses

$$\left. \begin{array}{l} H_0 : \beta_a \leq 0 \\ H_1 : \beta_a > 0 \end{array} \right\} p_{\text{adj}} < 0.05 \Rightarrow \text{reject } H_0$$