For i variables, & j observations thereof, (1)

$$let\ X = \begin{bmatrix} x_{11} & x_{21} & \cdots & x_{i1} \\ x_{12} & x_{22} & \cdots & x_{i2} \\ \vdots & \vdots & \ddots & \vdots \\ x_{1j} & x_{2j} & \cdots & x_{ij} \end{bmatrix}$$ (2)

s.t. species richness is estimated by $k \rightarrow nt$ regression trees as (3)

$$\widehat{y_i} = \sum_{k=1}^{nt} w_k T(X)_k$$ (4)

Or, more loosely (5)

$$\widehat{y_i} =$$ (6)