Untitled

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$$F_n = F_{n-1} + \eta \Delta_n$$

$$F_m(X) = F_{m-1}(X) + a_m h_m(X, r_{m-1})$$

$$ENSpred = \frac{1}{2} NNpred + \frac{1}{2} XGBpred = \frac{1}{2} \begin{bmatrix} \hat{y}_{11} & \cdots & \hat{y}_{1p} \\ \vdots & \ddots & \\ \hat{y}_{n1} & \cdots & \hat{y}_{np} \end{bmatrix} + \frac{1}{2} \begin{bmatrix} \hat{z}_{11} & \cdots & \hat{z}_{1p} \\ \vdots & \ddots & \\ \hat{z}_{n1} & \cdots & \hat{z}_{np} \end{bmatrix}$$

Table 1: XGBoost Final Model Result

	MAE	MSE
Training	0.1775177	0.0539348
Test	0.6653771	0.7352190

Table 2: Neural Network Final Model Result

	MAE	MSE
Training	0.5993975	0.6128888
Test	0.6464047	0.6931747

Table 3: Median Correlation

	Training	Test
XGBoost	0.9909750	0.4364947
Neural Network	0.6278658	0.4887672
Ensemble	0.9205496	0.4976427