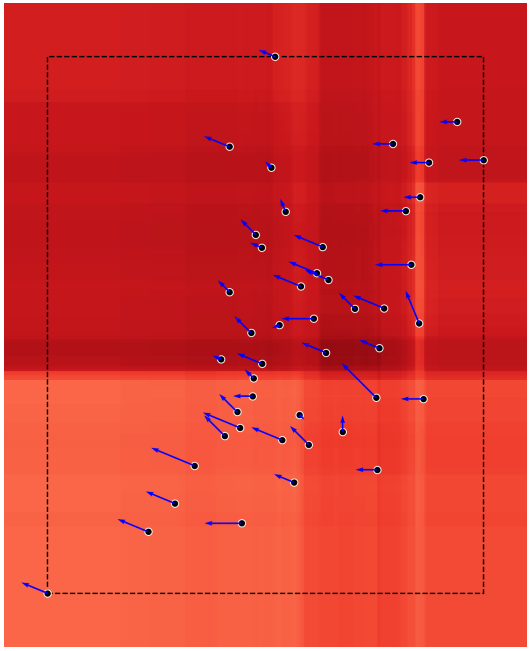
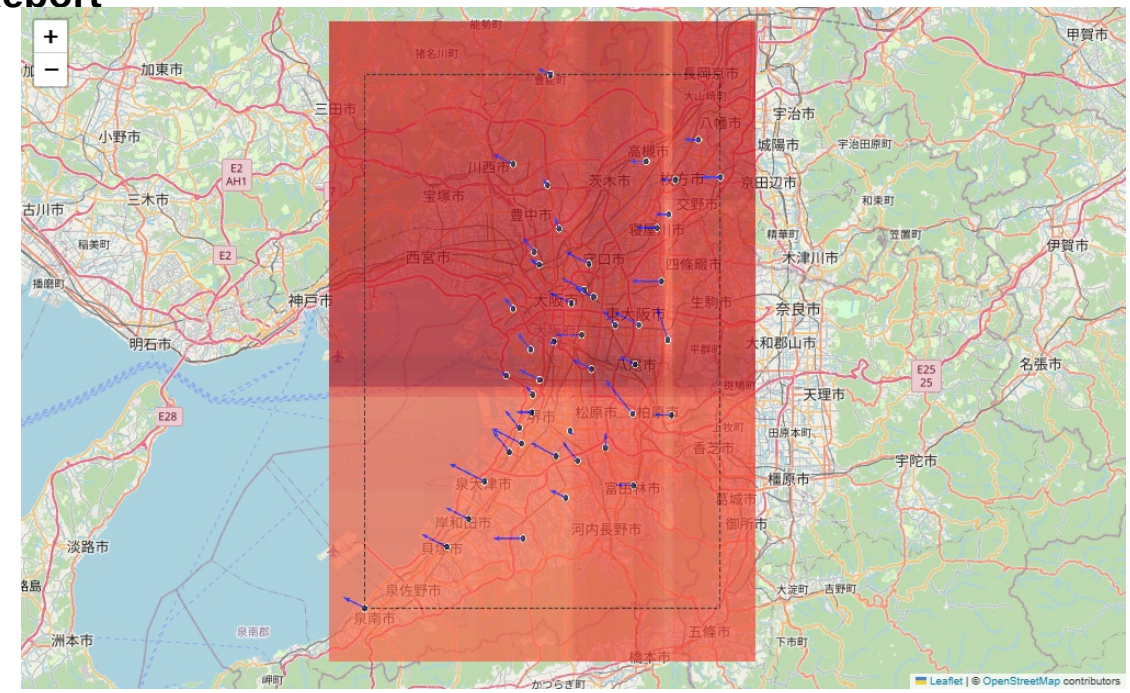
Random Forest Spatial Interpolation Report

$$\hat{y} = \frac{1}{T} \sum_{t=1}^{T} f_t(x)$$

$\hat{y}$: predicted value (e.g., Ox concentration)
T: total number of trees in the forest
$f_t(x)$: prediction of tree t for input x
x: input features (e.g., NO, NO_2, U, V, longitude, latitude)

Each tree is trained on a bootstrap sample
and uses a random subset of features at each split.
Final prediction is the average of all tree outputs.





RMSE	MAE	R^2	Notes
0.00141	0.00107	0.493	All stations (t = now)