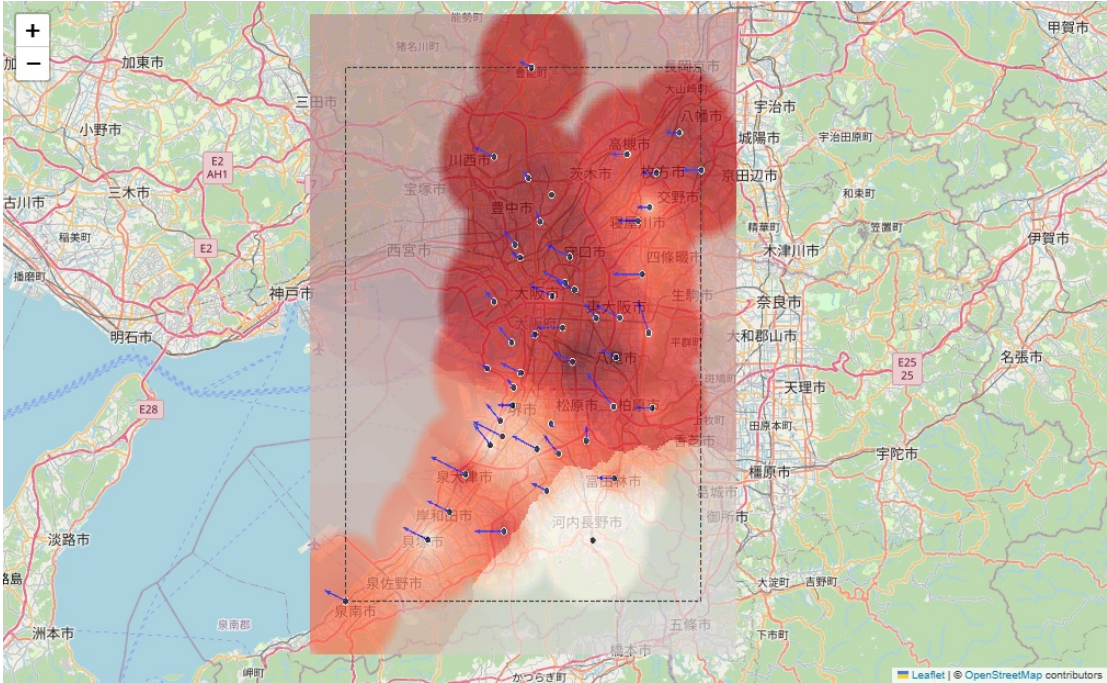
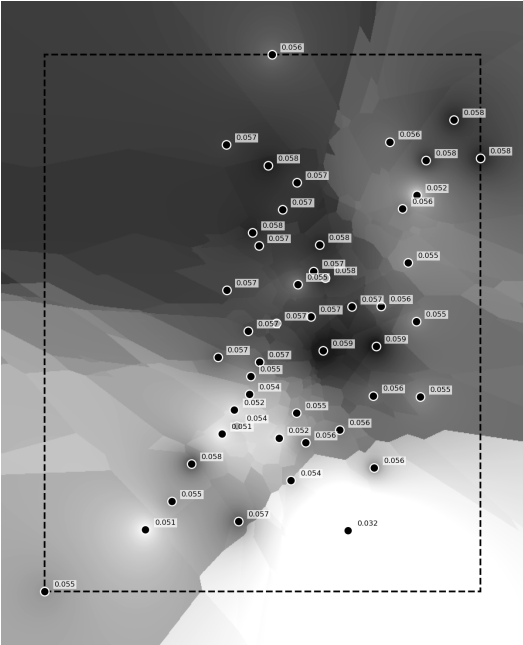


IDW Cross-validation Report

$$\hat{Z}(x_0) = \frac{\sum_{i=1}^k w_i z_i}{\sum_{i=1}^k w_i}, \quad \text{where } w_i = \frac{1}{d(x_0, x_i)^p}$$

x_0 : location to interpolate
 x_i : known data point location
 z_i : known value at x_i
 $d(x_0, x_i)$: distance between x_0 and x_i
 w_i : weight of z_i
 p : power parameter (controls weight decay)
 k : number of nearest neighbors



k	p	RMSE	MAE	R²
5	1.00	0.00389	0.00186	0.025
5	1.20	0.00389	0.00187	0.024
5	1.50	0.00389	0.00189	0.023
5	2.00	0.00389	0.00191	0.021
6	1.00	0.00384	0.00191	0.048
6	1.20	0.00384	0.00192	0.047
6	1.50	0.00385	0.00192	0.046
6	2.00	0.00385	0.00194	0.042
7	1.00	0.00383	0.00190	0.056
7	1.20	0.00383	0.00190	0.055
7	1.50	0.00383	0.00191	0.053
7	2.00	0.00384	0.00193	0.048
9	1.00	0.00386	0.00189	0.039
9	1.20	0.00386	0.00190	0.040
9	1.50	0.00386	0.00191	0.040
9	2.00	0.00386	0.00193	0.037