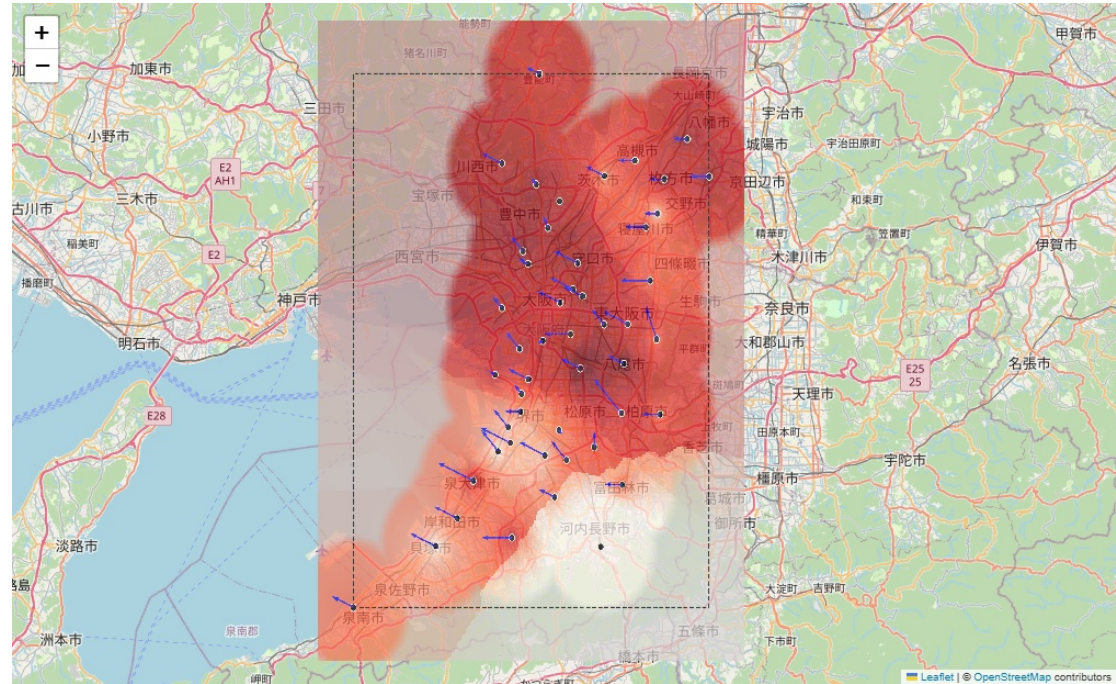
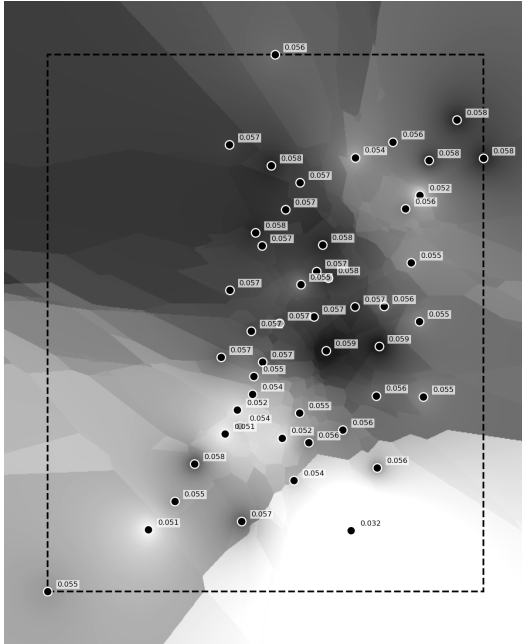


IDW Cross-validation Report

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

- 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	R ²
5	1.00	0.00386	0.00185	0.023
5	1.20	0.00386	0.00186	0.022
5	1.50	0.00386	0.00187	0.022
5	2.00	0.00386	0.00189	0.020
6	1.00	0.00381	0.00190	0.047
6	1.20	0.00381	0.00191	0.046
6	1.50	0.00382	0.00191	0.044
6	2.00	0.00382	0.00192	0.040
7	1.00	0.00380	0.00188	0.053
7	1.20	0.00380	0.00189	0.052
7	1.50	0.00380	0.00190	0.050
7	2.00	0.00381	0.00191	0.046
9	1.00	0.00384	0.00189	0.034
9	1.20	0.00383	0.00190	0.035
9	1.50	0.00383	0.00191	0.035
9	2.00	0.00384	0.00193	0.033