

Model Performance

Model	Data
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Weighted KNN model

5-fold CV (75%)		Training (75%)		Test (25%)	
Q2	RMSE	R2	RMSE	R2	RMSE
0.72	51.8	0.74	50.3	0.73	52.7

Model Results

Predicted value: 17.3 °C

Global applicability domain: Inside

Local applicability domain index: 4.56e-01

Confidence level: 6.11e-01

Nearest Neighbors from the Training Set

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Cyanophos

Measured: 14.5

Predicted: 17.3

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Anilofos

Measured: 51.0

Predicted: 49.3

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Fosmethilan

Measured: 42.0

Predicted: 47.9

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Fenitrothion

Measured: 3.40

Predicted: 12.9

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Parathion

Measured: 6.10

Predicted: 26.2