

Exposure Factors

Climate factors

Socio-economic factors

Variable Selection

Multicollinearity evaluation

Forward stepwise regression

Epidemiological theory

Selected Variable

Average temperature

Average precipitation

Average wind speed

Population density

Number of enterprises

Proportion of student population

Model Building

Logistic

Spatial covariate

AutoLogistic

Model evaluation

Goodness of fit

Prediction accuracy rate

Equation parameters

Results

Spatial risk factors:OR

Probability of disease occurrence

Risk mapping

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