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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Epidemiological theory