Research outputs

**Evolution of spatial disease clusters via a Bayesian space-time variability modelling**

**A Poisson cokriging method for bivariate count data**

**Geospatial Health (GeoHealth): Current trends, methods, and applications**

**Bivariate spatial clustering in differential time trends of related tropical diseases: Application to diarrhea and intestinal parasite infections**

**Comparison of the association between different ozone indicators and daily respiratory hospitalization in Guangzhou, China**

**Urban flood susceptibility mapping based on social media data in Chengdu city, China**
Short-term health impacts related to ozone in China before and after implementation of policy measures: A systematic review and meta-analysis

Temporal and spatial evolution of short-term exposure to ozone pollution: Its health impacts in China based on a meta-analysis

Early ecological security warning of cultivated lands using RF-MLP integration model: A case study on China's main grain-producing areas

A zero-inflated mixture spatially varying coefficient modeling of cholera incidences

Comparison of surface water flow simulation over structured and unstructured grids

Bayesian geostatistical modelling of stunting in Rwanda: risk factors and spatially explicit residual stunting burden

A note on the propagation of positional uncertainty in environmental models

Minimum temperature mapping with spatial copula interpolation

Spatial variation in lymphatic filariasis risk factors of hotspot zones in Ghana

Deep convolutional neural networks for surface coal mines determination from sentinel-2 images

Modeling schistosomiasis spatial risk dynamics over time in Rwanda using zero-inflated Poisson regression


Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease study 2019

The global distribution of lymphatic filariasis, 2000–18: a geospatial analysis

Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17
Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17

Bayesian analysis of the short-term association of NO2 exposure with local burden of asthmatic symptoms in children

Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017

Spatio-temporal regression kriging for modelling urban NO2 concentrations

Modelling the impact of MAUP on environmental drivers for Schistosoma japonicum prevalence

Mapping 123 million neonatal, infant and child deaths between 2000 and 2017

Bayesian Random Effect Modeling for analyzing spatial clustering of differential time trends of diarrhea incidences

Calibration of low-cost NO2 sensors in an urban air quality network

Association between asthma symptoms and NO2 exposure

Rodents and satellites: Predicting mice abundance and distribution with Sentinel-2 data

Modeling Schistosoma japonicum Infection under Pure Specification Bias: Impact of Environmental Drivers of Infection

Poisson-Gamma Mixture Spatially Varying Coefficient Modeling of Small-Area Intestinal Parasites Infection

Temporal trend and spatial clustering of cholera epidemic in Kumasi-Ghana

Poisson-gamma mixture spatially varying coefficient modeling of small-area intestinal parasites infection

Spatial and temporal heterogeneities of district-level typhoid morbidities in Ghana: A requisite insight for informed public health response
Modelling local areas of exposure to Schistosoma japonicum in a limited survey data environment

Diarrhea Morbidities in Small Areas: Accounting for Non-Stationarity in Socio-demographic Impacts using Bayesian Spatially Varying Coefficient Modelling

Spatio-temporal analysis of small-area intestinal parasites infections in Ghana

Spatial variation and hot-spots of district level diarrhea incidences in Ghana: 2010-2014

Spatio-temporal dynamics of schistosomiasis in Rwanda between 2001 and 2012: Impact of the national neglected tropical disease control programme

Disease isopleth mapping using Poisson regression area-to-point kriging and remotely sensed data : poster

Analysis of Buruli Ulcer prevalence in Amansie West district : a geostatistical approach

Spatial bayesian methods of flow forecasting in the Black Volta river

Spatial modelling of diabetes cases in Ghana

Geographic patterns of malaria in the Brong Ahafo region of Ghana

Current statistical methods for spatial epidemiology : a review

Bayesian structured additive regression modeling of epidemic data : application to cholera

Cholera and Spatial Epidemiology

Evaluating spatial and space time clustering of cholera

Simulation of cholera diffusion to compare transmission mechanisms