

# 空间广义线性混合效应模型及其应用

## Spatial Generalized Linear Mixed Models (SGLMM) with Its Applications

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## 1 Introduction

# Motivations 介绍

- ① Radionuclide concentrations on Rongelap Island
- ② Childhood malaria in the gambia
- ③ Loa loa prevalence in Cameroon and surrounding areas

# Outline

- 1 Introduction (Motivations and goals)
- 2 Literature reviews
- 3 Geostatistical model (SGLMM)
- 4 Computing details and simulations
- 5 Real data analysis (Applications)
- 6 Discussion