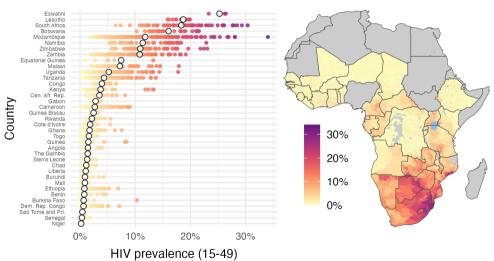
Bayesian spatio-temporal methods for small-area estimation of HIV indicators

Adam Howes

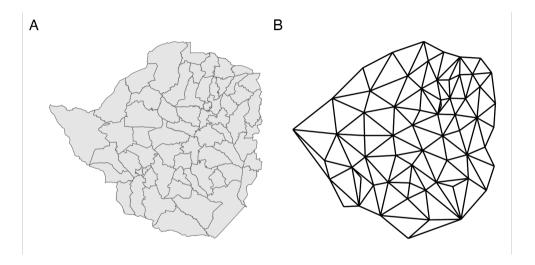
Imperial College London

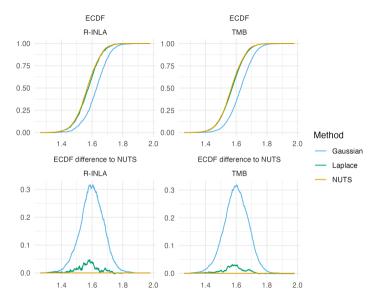
December 2023

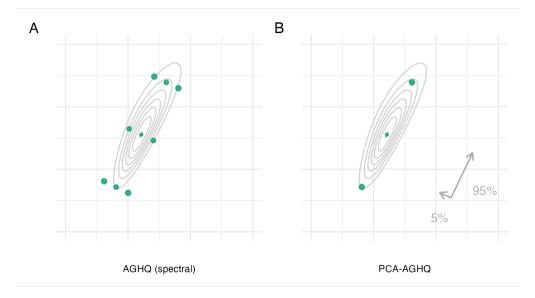


Source: UNAIDS Naomi model estimates, 2023

Proportional to number of neighbours Average of neighbours $u_i \mid \mathbf{u}_{-i} \mid \sim \mathcal{N} \left(\frac{1}{n_{\delta i}} \sum_{j:j \sim i}^{\downarrow} u_j, \frac{1}{n_{\delta i} \tau_u} \right)$ ith full conditional







References I