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

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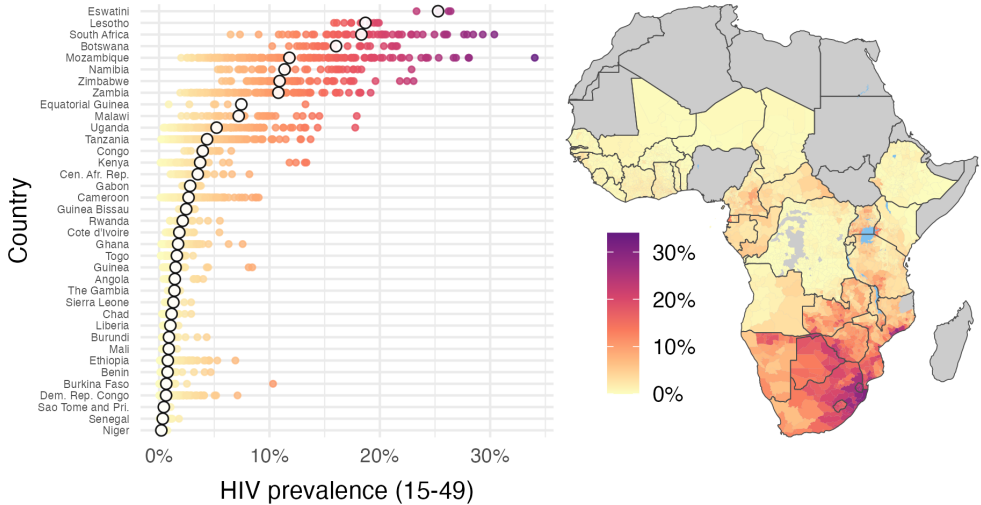
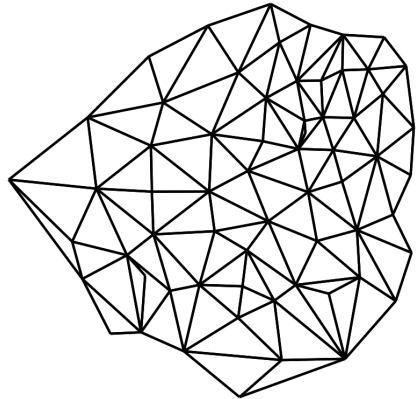
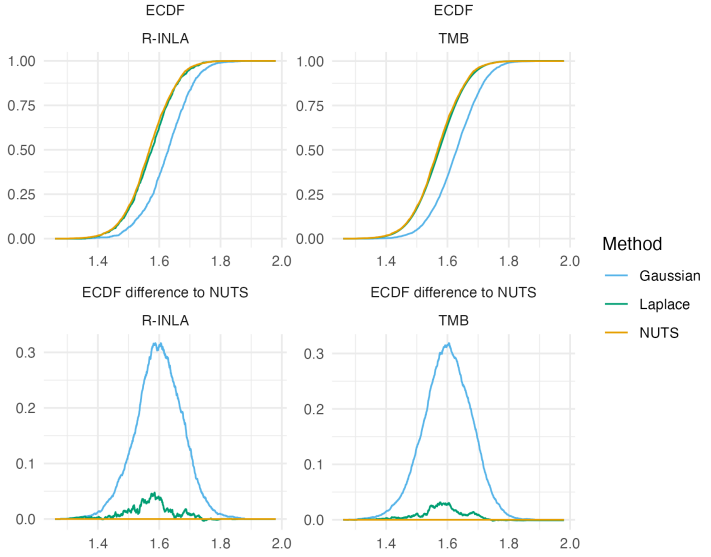


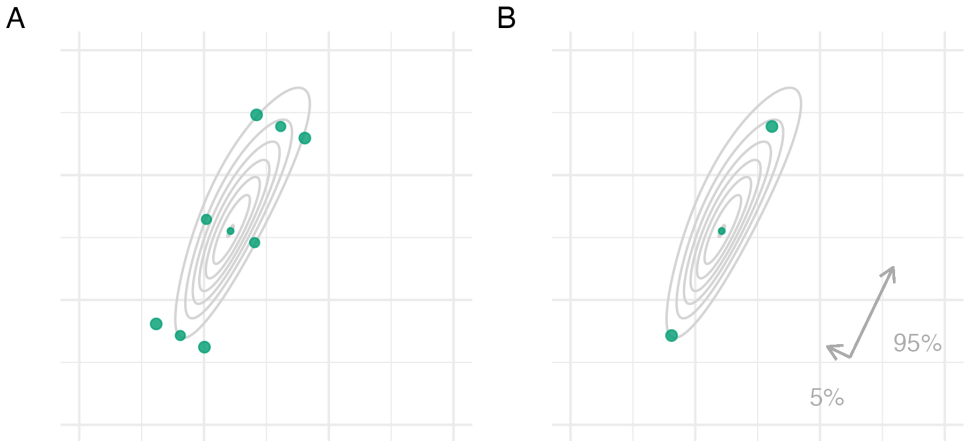
Source: UNAIDS Naomi model estimates, 2023

A

B




ECDF
R-INLA
ECDF
TMB
1.00
0.75
0.50
0.25
0.00
1.4
1.6
1.8
2.0
ECDF difference to NUTS
R-INLA
ECDF difference to NUTS
TMB
0.3
0.2
0.1
0.0
Method
Gaussian
Laplace
NUTS



AGHQ (spectral)

PCA-AGHQ

References I