

Spatial And Spatio Temporal Epidemiology

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164 RCSNP Souza, RM Assunção and DM Oliveira et al / Spatial and Spatio-temporal Epidemiology 29 (2019) 163-175 to detect geographic clusters of dengue infection Dengue is an infectious disease that is currently a major concern for public health officials, particularly in ...

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Spatial and Spatio-temporal Epidemiology 34 (2020) 100354 Contents lists available at ScienceDirect Spatial and Spatio-temporal Epidemiology graphic and temporal clusters of elevated disease risk while quan- tifying cluster strength and statistical significance Space-time scan

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178 MB Hooten et al/Spatial and Spatio-temporal Epidemiology 1 (2010) 177-185 ers at Google formally linked an influenza-related search query index with the CDC ILI and began reportingboth cur- rent and historical modeled ILI from June in year 2003 -

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64 S Liverani et al / Spatial and Spatio-temporal Epidemiology 18 (2016) 63-73 relevant variables into summary scores or indexes and as- sesses the relationship of these with the outcome of in- terest, which is free from the collinearity issue, but loses

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30 A Rushworth et al/Spatial and Spatio-temporal Epidemiology 10 (2014) 29-38 concentrations and respiratory hospital admissions in Lon- don, UK London has a long history of air pollution prob- lems, with very high levels of smoke and SO 2 being observed since the industrial revolution Famous pollution

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52 J Gilliland, M Maltby and X Xu et al / Spatial and Spatio-temporal Epidemiology 29 (2019) 51-57 ter (ie, PM 10 with diameter less than 10 μm (or microns), PM 25 less than 25 μm) (Liang, 2013) Particulate matter less than 25 μm in aerodynamic diameter (PM 25) specifically has been found to aggravate asthma (Liu et al, 2009)

EPIDEMIOLOGY SPATIAL AND SPATIO-TEMPORAL

Spatial and Spatio-Temporal Epidemiology is a peer-reviewed scientific journal that provides a home for high quality work which straddles the areas of GIS, epidemiology, exposure science, and spatial statistics The journal focuses on answering epidemiological questions where spatial and spatio-temporal approaches are appropriate

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2 R Elson, TM Davies and C Jenkins et al / Spatial and Spatio-temporal Epidemiology 32 (2020) 100305 2005; Strachan et al, 2015), and within (Jaros et al, 2014), countries around the world, particularly when considering the comparable levels of carriage by cattle in those countries (Mellor et al, 2015) Within the United Kingdom, rates of STEC infection in Scotland

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2 L Ron et al / Spatial and Spatio-temporal Epidemiology 5 (2013) 1-10 ual forward stepwise model building approach was employed with the Akaike's Information Criterion (AIC) as the calibrating parameter to select the final model Finally, Vuong's test was used to determine whether the ZIP (ZINB)

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54 F Pannullo et al / Spatial and Spatio-temporal Epidemiology 18 (2016) 53-62 time-series studies (see Willocks et al, 2012) The long-term health impact of pollution is most often estimated from cohort studies (see Cesaroni et al, 2014), which make use of individual-level pollution and disease data

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12 I Kracalik et al / Spatial and Spatio-temporal Epidemiology 2 (2011) 11-21 example, the year 1960 would require the inclusion of case numbers from previous years The locations and dates of the livestock outbreaks were provided as latitude/longitude

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studies These studies have been implemented using both spatial ([21] and [27]) and spatio-temporal ([16] and [25]) designs, and the latter has also been used to estimate the short-term impact of pollution (see eg, [53], [13] and [7]) This chapter provides a critique of the statistical and epidemiological challenges faced

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56 MA Healy, JA Gilliland / Spatial and Spatio-temporal Epidemiology 3 (2012) 55-67 (Statistics Canada, 2011) (see Fig 1) The study area was categorized into four neighborhood types as follows: (1) urban areas correspond to neighborhoods in the City of

- Why spatio-temporal epidemiology?

Why spatio-temporal epidemiology? 11 Overview Spatial epidemiology is the description and analysis of geographical data, specifically health data in the form of counts of mortality or morbidity and factors that may explain variations in those counts over space These may include demographic

Spatial and temporal distribution of lumpy skin disease ...

is almost no information about its epidemiology, spatial or spatio-temporal distribution We carried out a retrospective study on the epidemiology of LSD in Uganda between the years 2002 and 2016, using data on reported outbreaks collected monthly by the central government veterinary

administration Descriptive statistics

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TM Kjærulff et al / Spatial and Spatio-temporal Epidemiology 19 (2016) 46-59 47 Yusuf et al, 2004; Manrique-Garcia et al, 2011) However, individual-level factors can only explain about 50- 60% of the social inequalities in AMI (Marmot et al, 2008) and there is a need to look beyond the individual-level

A tutorial in spatial and spatio-temporal models with R-INLA

A tutorial in spatial and spatio-temporal models with R-INLA Marta Blangiardo¹, Michela Cameletti², Gianluca Baio^{3;4}, H avarud Rue⁵ ¹ MRC-HPA Centre for Environment and Health, Department of Epidemiology and Biostatistics, Imperial College London, UK ² Department of Management, Economics and Quantitative Methods, University of Bergamo, Italy

Spatial Epidemiology Methods And Applications

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