References i

[1] Riccardo Gallotti, Filippo Valle, Nicola Castaldo, Pierluigi Sacco, and Manlio De Domenico.
Unprecedented disruption of human mobility and daily activities during the covid-19 pandemic.
Scientific Reports, 11(1):1–12, 2021.

[2] Pierre Nouvellet, Sangeeta Bhatia, Anne Cori, Kylie E.C. Ainslie, Marc Baguelin, Samir Bhatt, Adhiratha Boonyasiri, Nicholas F. Brazeau, Lorenzo Cattarino, Laura V. Cooper, Helen Coupland, Zulma M. Cucunuba, Gina Cuomo-Dannenburg, Amy Dighe, Bimandra A. Djaafara, Ilaria Dorigatti, Oliver D. Eales, Sabine L. van Elsland, Fabricia F. Nascimento, Richard G. FitzJohn, Katy A.M. Gaythorpe, Lily Geidelberg, William D. Green, Arran Hamlet, Katharina Hauck, Wes Hinsley, Natsuko Imai, Benjamin Jeffrey, Edward Knock, Daniel J. Laydon, John A. Lees, Tara Mangal, Thomas A. Mellan, Gemma Nedjati-Gilani, Kris V. Parag, Margarita Pons-Salort, Manon Ragonnet-Cronin, Steven Riley, H. Juliette T. Unwin, Robert Verity, Michaela A.C. Vollmer, Erik Volz, Patrick G.T. Walker, Caroline E. Walters, Haowei Wang, Oliver J. Watson, Charles Whittaker, Lilith K. Whittles, Xiaoyue Xi, Neil M. Ferguson, and Christl A. Donnelly.
Reduction in mobility and covid-19 transmission.
Nature Communications, 12, 12 2021.

[3] Josiah L. Kephart, Xavier Delclòs-Alió, Daniel A. Rodríguez, Olga L. Sarmiento, Tonatiuh Barrientos-Gutiérrez, Manuel Ramirez-Zea, D. Alex Quistberg, Usama Bilal, and Ana V. Diez Roux.
The effect of population mobility on covid-19 incidence in 314 latin american cities: a longitudinal ecological study with mobile phone location data.
The Lancet Digital Health, 3:e716–e722, 11 2021.

[4] Justin Elarde, Joon Seok Kim, Hamdi Kavak, Andreas Züfle, and Taylor Anderson.
Change of human mobility during covid-19: A united states case study.
PLoS ONE, 16, 11 2021.

[5] M. Sulyok and M. Walker.
Community movement and covid-19: A global study using google's community mobility reports.
Epidemiology and Infection, 2020.

[6] Google LLC.
Covid-19 community mobility reports.
`https://www.google.com/covid19/mobility/`, 2020.
Accessed: 2024-09-02.

[7] University of Oxford – with minor processing by Our World in Data Blavatnik School of Government.
Covid-19 containment and health index [dataset].
`https://ourworldindata.org/grapher/covid-containment-and-health-index`, 2023.
Government Response Tracker (OxCGRT) [original data].

References ii

[8] Copernicus Climate Change Service (C3S).
In-situ gridded observations for europe, 2025.
Accessed: 2025-02-19.

[9] Luise Nottmeyer, Ben Armstrong, Rachel Lowe, Sam Abbott, Sophie Meakin, Kathleen M. O'Reilly, Rosa von Borries, Rochelle Schneider, Dominic Royé, Masahiro Hashizume, Mathilde Pascal, Aurelio Tobias, Ana Maria Vicedo-Cabrera, Eric Lavigne, Patricia Matus Correa, Nicolás Valdés Ortega, Jan Kynčl, Aleš Urban, Hans Orru, Niilo Ryti, Jouni Jaakkola, Marco Dallavalle, Alexandra Schneider, Yasushi Honda, Chris Fook Sheng Ng, Barrak Alahmad, Gabriel Carrasco-Escobar, Iulian Horia Holobâc, Ho Kim, Whanhee Lee, Carmen Íñiguez, Michelle L. Bell, Antonella Zanobetti, Joel Schwartz, Noah Scovronick, Micheline de Sousa Zanotti Stagliorio Coêlho, Paulo Hilario Nascimento Saldiva, Magali Hurtado Diaz, Antonio Gasparrini, and Francesco Sera.
The association of covid-19 incidence with temperature, humidity, and uv radiation – a global multi-city analysis.
Science of the Total Environment, 854, 1 2023.

[10] Marta Blangiardo and Michela Cameletti.
Spatial and Spatio-temporal Bayesian Models with R-INLA.
John Wiley & Sons, Chichester, West Sussex, 2015.

[11] Paula Moraga.
Spatial Statistics for Data Science: Theory and Practice with R.
Chapman & Hall/CRC, 2023.

[12] Julian Besag, Jeremy York, and Annie Mollii.
Bayesian image restoration, with two applications in spatial statistics **.*
Technical report, 1991.

[13] Finn Lindgren and Håvard Rue.
Bayesian spatial modelling with r-inla.
Journal of Statistical Software, 63(19):1–25, 2015.

[14] Sumio Watanabe SWATANAB.
Asymptotic equivalence of bayes cross validation and widely applicable information criterion in singular learning theory.
Technical report, 2010.