

Statistica Sinica Preprint No: SS-2016-0230

| | |
|---------------------------------|---|
| Title | Hierarchical Models for Spatial Data with Errors that are Correlated with the Latent Process |
| Manuscript ID | SS-2016-0230 |
| URL | http://www.stat.sinica.edu.tw/statistica/ |
| DOI | 10.5705/ss.202016.0230 |
| Complete List of Authors | Jonathan R. Bradley Christopher K. Wikle and Scott H. Holan |
| Corresponding Author | Jonathan R. Bradley |
| E-mail | bradley@stat.fsu.edu |

Meetings of the American Statistical Association, Business and Economic Statistics, 177–181.

Bradley, J. R., Cressie, N., and Shi, T. (2011). “Selection of rank and basis functions in the Spatial Random Effects model.” In *Proceedings of the 2011 Joint Statistical Meetings*, 3393–3406. Alexandria, VA: American Statistical Association.

Bradley, J. R., Holan, S. H., and Wikle, C. K. (2015a). “Multivariate spatio-temporal models for high-dimensional areal data with application to Longitudinal Employee-Household Dynamics.” *The Annals of Applied Statistics*, 9, 1761–1791.

Bradley, J. R., Wikle, C. K., and Holan, S. H. (2015b). “Spatial Change of Support with Application to American Community Survey Multi-Year Period Estimates.” *Stat*, 4, 255–270.

— (2016). “Bayesian spatial change of support for count-valued survey data.” *Journal of the American Statistical Association*, 111, 472–483.

Castillo, E. and Tajbakhsh, B. M. (2015). “Geodesic Gaussian Processes for the Reconstruction of a Free-Form Surface.” *Technometrics*, 57, 87–99.

Clayton, D., Bernardinelli, L., and Montomoli, C. (1993). “Spatial correlation in ecological analysis.” *International Journal of Epidemiology*, 6, 1193–1202.

Cressie, N. (1990). “The origins of kriging.” *Mathematical Geology*, 22, 239–252.

— (1993). *Statistics and Spatial Data*, rev. edn. New York, NY: Wiley.

Cressie, N. and Johannesson, G. (2008). “Fixed rank kriging for very large spatial data sets.” *Journal of the Royal Statistical Society, Series B*, 70, 209–226.

