

## List of Suggested Papers

### Reading Assignment 1 (due January 22nd)

1. Venables, A.J. (1999), "But Why Does Geography Matter, and Which Geography Matters?", *International Regional Science Review*. 22; 238.
2. Gelfand, A.E., J. Valenti, S. Wu, and C.F. Sirmans (2005) "Apartment Rent Predictions Using Spatial Modeling." *Journal of Real Estate Research* 27: 1, 105-136.
3. Sampson, R.J., Raudenbush, S.W., Earls, F. (1997), "Neighborhoods and Violent Crime: A Multilevel Study of Collective Efficacy", *Science*, 277, pp 918.

### Reading Assignment 2 (due February 5th)

1. Cressie, N. (1985). "Fitting variogram models by weighted least squares", *Mathematical Geology*, vol 17, n 5.
2. Cressie, N. & Hawkins, D. M. (1980) "Robust estimation of the variogram". *J. Internat. Assoc. Math. Geol.*, 12: 115-125.
3. Besag, J., Newell, J. (1991), "The Detection of Clusters in Rare Diseases", *Journal of the Royal Statistical Society. Series A*, Vol. 154, No. 1, pp. 143-155.

### Reading Assignment 3 (due February 14th)

1. Handcock M.S., Stein M.L. (1993). "A Bayesian Analysis of Kriging", *Technometrics*, 35, 403-410.
2. Geoffrey M. Laslett (1994) "Kriging and Splines: An Empirical Comparison of Their Predictive Performance in Some Applications". With Comments. *Journal of the American Statistical Association*, Vol. 89, No. 426., pp. 391-400.

### Reading Assignment 4 (due February 28th)

1. Bowman, D. (2007), "Spatio-Temporal Models for Volume of Interest Analyses of Neuroimaging Data", *Journal of the American Statistical Association*.
2. Kammann, E.E., Wand, M.P. (2003), "Geoadditive models", *Applied Statistics*, 52, 1-18.
3. Sanso B., Guenni, L., (2000), "A Nonstationary Multisite Model for Rainfall", *Journal of the American Statistical Association*, 452, 1089-1099.

### Reading Assignment 5 (due April 1st)

1. Gelman, A. (2006), "Multilevel (Hierarchical) Modeling: What It Can and Cannot Do", *Technometrics*, 48, 432-435.

2. Gelman, A., Pardoe, I. (2006), “Bayesian Measures of Explained Variance and Pooling in Multilevel (Hierarchical) Models”, *Technometrics*, 48, 241 -251.

Reading Assignment 6 (due April 3rd)

1. Renato M. Assunção (2003), “Space varying coefficient models for small area data”, *Envirometrics*, 14: 453-473.
2. Wikle, C.K., Berliner, L.M. (2005), “Combining Information across Spatial Scales”, *Technometrics*, 47,1, 80-92.

Reading Assignment 7 (due April 8th)

1. Gotway, C.A, Young, L.J. (2002), “Combining Incompatible Spatial Data”, *Journal of the American Statistical Association*, 97, 632-649.
2. Waller, L.A., Carlin, B.P., Hong XIA, and Gelfand, A.E. (1997). “Hierarchical Spatio-Temporal Mapping of Disease Rates”, *Journal of the American Statistical Association*.