

CBMS spatial course: reading resources

- Banerjee, S., Carlin, B.P., and Gelfand, A.E. (2014) Hierarchical Modeling and Analysis for Spatial Data, 2nd ed. Boca Ration FL: Chapman and Hall/CRC Press
- Chiles, J.P. and Delfiner, P. (1999). Geostatistics: Modeling Spatial Uncertainty. New York: Wiley.
- Cressie, N. and Wikle, C. (2011). Statistics for Spatio-Temporal Data. New York: Wiley.
- Diggle, P.J. (2003). Statistical Analysis of Spatial Point Patterns, 2nd ed. London: Arnold.
- Gelfand, A.E., Diggle, P., Guttorp, P. and Fuentes, M. (2010). Handbook of Spatial Statistics. Boca Raton, FL: CRC Press.
- Gelman, A., Carlin, J.B., Stern, H.S., Dunson, D.B., Vehtari, A. and Rubin, D.B. (2013). Bayesian Data Analysis, 3rd ed. Boca Raton, FL: Chapman and Hall/CRC Press.
- Hoff, P.D. (2009). A First Course in Bayesian Statistical Methods. New York: Springer.
- Mller, J. and Waagepetersen, R. (2004). Statistical Inference and Simulation for Spatial Point Processes. Boca Raton, FL: Chapman and Hall/CRC Press.
- Rasmussen, C.E. and Williams, C.K.I. (2006). Gaussian Processes for Machine Learning. Cambridge, MA: MIT Press.
- Rue, H. and Held, L. (2005). Gaussian Markov Random Fields: Theory and Applications, Boca Raton: Chapman and Hall.
- Stein, M.L. (1999a). Interpolation of Spatial Data: Some Theory for Kriging. New York: Springer-Verlag.
- Wackernagel, H. (2003). Multivariate Geostatistics: An Introduction with Applications, 3rd ed. New York: Springer-Verlag.