
Bibliography

- Abrams, D., A. Goldman, C. Launer, J. Korvick, J. Neaton, L. Crane, M. Grodesky, S. Wakefield, K. Muth, S. Kornegay, D. L. Cohn, A. Harris, R. Luskin-Hawk, N. Markowitz, J. H. Sampson, M. Thompson, and L. Deyton (1994). Comparative trial of didanosine and zalcitabine in patients with human immunodeficiency virus infection who are intolerant of or have failed zidovudine therapy. *New England Journal of Medicine* 330, 657–662.
- Adler, R. J. (1981). *The Geometry of Random Fields*. New York: Wiley.
- Agresti, A. (2012). *Categorical Data Analysis* (3rd ed.). New York: Wiley.
- Aitkin, M. A., B. Francis, and J. Hinde (2005). *Statistical Modelling in GLIM 4*. Oxford University Press, New York.
- Barlow, W. E. and R. L. Prentice (1988). Residuals for relative risk regression. *Biometrika* 75(1), 65–74.
- Bauwens, L. and A. Rasquero (1993). Approximate hpd regions for testing residual autocorrelation using augmented regressions. In *Computer Intensive Methods in Statistics*, pp. 47–61. Berlin: Springer.
- Bell, D. F., J. L. Walker, G. O'Connor, and R. Tibshirani (1994). Spinal deformity after multiple-level cervical laminectomy in children. *Spine* 19, 406–411.
- Berkson, J. (1950). Are there two regressions? *Journal of the American Statistical Association* 45(250), 164–180.
- Besag, J., P. Green, D. Higdon, and K. Mengersen (1995). Bayesian computation and stochastic systems. *Statistical Science* 10, 3–41.
- Besag, J. and C. Kooperberg (1995). On conditional and intrinsic autoregressions. *Biometrika* 82, 733–746.
- Bickel, P. J. and K. A. Doksum (2015). *Mathematical Statistics: Basic Ideas and Selected Topics* (2nd ed.). Boca Raton: CRC Press.
- Blangiardo, M. and M. Cameletti (2015). *Spatial and Spatio-Temporal Bayesian Models with R-INLA*. Chichester: John Wiley & Sons.
- Bogaerts, K. and E. Lesaffre (2004). A new, fast algorithm to find the regions of possible support for bivariate interval-censored data. *Journal of Computational and Graphical Statistics* 13(2), 330 – 340.

- Bolin, D. and F. Lindgren (2015). Excursion and contour uncertainty regions for latent Gaussian models. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)* 77(1), 85–106.
- Bralower, T., P. Fullagar, C. Paull, G. Dwyer, and R. Leckie (1997). Mid-cretaceous strontium-isotope stratigraphy of deep-sea sections. *Geological Society of America Bulletin* 109, 1421–1442.
- Breslow, N. (1972). Discussion on regression models and life-tables. *Journal of the Royal Statistical Society: Series B (Methodology)* 34(2), 216 – 217.
- Brockmann, H. J. (1996). Satellite male groups in horseshoe crabs, limulus polyphemus. *Ethology* 102(1), 1–21.
- Brown, L., T. Cai, R. Zhang, L. Zhao, and H. Zhou (2010). The root–unroot algorithm for density estimation as implemented via wavelet block thresholding. *Probability Theory and Related Fields* 146(3-4), 401–433.
- Buja, A., T. Hastie, and R. Tibshirani (1989). Linear smoothers and additive models. *The Annals of Statistics* 17(2), 453–510.
- Buonaccorsi, J. P. (2010). *Measurement Error: Models, Methods, and Applications*. Boca Raton: Chapman & Hall.
- Carlin, B. P. and T. A. Louis (2008). *Bayesian Methods for Data Analysis*. Boca Raton: CRC Press.
- Carroll, R. J. and D. Ruppert (1988). *Transformation and Weighting in Regression*. New York: CRC Press.
- Carroll, R. J., D. Ruppert, L. A. Stefanski, and C. Crainiceanu (2006). *Measurement Error in Nonlinear Models: A Modern Perspective* (2nd ed.). New York: Chapman & Hall/CRC Press.
- Carroll, R. J. and L. A. Stefanski (1990, September). Approximate quasi-likelihood estimation in models with surrogate predictors. *Journal of the American Statistical Association* 85(411), 652–663.
- Chaloner, K. (1991). Bayesian residual analysis in the presence of censoring. *Biometrika* 78(3), 637–644.
- Chaloner, K. and R. Brant (1988). A bayesian approach to outlier detection and residual analysis. *Biometrika* 75, 651–659.
- Chatterjee, S. and A. S. Hadi (2015). *Regression Analysis by Example* (5th ed.). New York: John Wiley & Sons.
- Chaudhuri, P. and J. S. Marron (1999). SiZer for exploration of structures in curves. *Journal of the American Statistical Association* 94(447), 807–823.

- Comte, F. (2004, July). Kernel deconvolution of stochastic volatility models. *Journal of Time Series Analysis* 25(4), 563–582.
- Cook, J. R. and L. A. Stefanski (1994). Simulation extrapolation estimation in parametric measurement error models. *Journal of American Statistical Association* 89, 1314–1328.
- Cox, D. R. (1972). Regression models and life-tables. *Journal of the Royal Statistical Society: Series B (Methodology)* 34(2), 187 – 220.
- Cox, D. R. and E. J. Snell (1968). A general definition of residuals (with discussion). *Journal of the Royal Statistical Society - Series B (Methodology)* 30, 248–275.
- Davison, A. C. and D. V. Hinkley (1997). *Bootstrap Methods and Their Application*. New York: Cambridge University Press.
- Dawid, A. (1984). Present Position and Potential Developments: Some Personal Views Statistical Theory The Prequential Approach. *Journal of the Royal Statistical Society: Series A (Statistics in Society)* 147, 278–292.
- De Boor, C. (1978). *A Practical Guide to Splines*. New York: Springer.
- Dellaportas, P. and D. Stephens (1995). Bayesian analysis of errors-in-variables regression models. *Biometrics* 51(3), 1085–1095.
- Diebold, F. X., T. A. Gunther, and A. S. Tay (1998). Evaluating density forecasts with applications to financial risk management. *International Economic Review* 39(4), 863–883.
- Dobson, A. J. and A. Barnett (2008). *An Introduction to Generalized Linear Models*. Boca Raton: CRC press.
- Draper, D. (1995). Assessment and propagation of model uncertainty. *Journal of the Royal Statistical Society: Series B (Methodology)* 57, 45–97.
- Dreze, J. H. and M. Mouchart (1990). Tales of testing Bayesians. In *Contributions to Econometric Theory and Application*, pp. 345–366. New York: Springer.
- Eilers, P. and B. Marx (1996). Flexible smoothing with B-splines and penalties (with discussion). *Statistical Science* 11, 89–121.
- Eilers, P. H., B. D. Marx, and M. Durbán (2015). Twenty years of P-splines. *SORT-Statistics and Operations Research Transactions* 39(2), 149–186.
- Evans, M., H. Moshonov, et al. (2006). Checking for prior-data conflict. *Bayesian Analysis* 1(4), 893–914.
- Everitt, B. S. (2006). *An R and S-PLUS Companion to Multivariate Analysis*. London: Springer.

- Fahrmeir, L. and T. Kneib (2009). Propriety of posteriors in structured additive regression models: Theory and empirical evidence. *Journal of Statistical Planning and Inference* 139(3), 843–859.
- Fahrmeir, L. and L. Knorr-Held (2000). Dynamic and semiparametric models. In *Smoothing and Regression: Approaches, Computation, and Application*, pp. 513 – 544. New York: John Wiley & Sons.
- Fahrmeir, L. and S. Lang (2001). Bayesian inference for generalized additive mixed models based on Markov random field priors. *Journal of the Royal Statistical Society: Series C (Applied Statistics)* 50(2), 201–220.
- Fahrmeir, L. and G. Tutz (2001). *Multivariate Statistical Modeling Based on Generalized Linear Models*. Berlin: Springer.
- Fan, J. and Y. K. Truong (1993). Nonparametric regression with errors in variables. *The Annals of Statistics* 21(4), 1900–1925.
- Faraway, J. (2014). *Linear Models with R* (2nd ed.). Boca Raton: Chapman & Hall/CRC.
- Faraway, J. (2016a). Confidence bands for smoothness in nonparametric regression. *Stat* 5(1), 4–10.
- Faraway, J. (2016b). *Extending the Linear Model with R: Generalized Linear, Mixed Effects and Nonparametric Regression Models* (2nd ed.). London: Chapman & Hall.
- Ferkingstad, E. and H. Rue (2015). Improving the INLA approach for approximate bayesian inference for latent gaussian models. *Electronic Journal of Statistics* 9(2), 2706–2731.
- Ferrari, S. L. P. and F. Cribari-Neto (2004). Beta regression for modelling rates and proportions. *Journal of Applied Statistics* 31(7), 799–815.
- Ferraty, F. and P. Vieu (2006). *Nonparametric Functional Data Analysis: Theory and Practice*. New York: Springer.
- Fitzmaurice, G. M. and N. M. Laird (1993). A likelihood-based method for analysing longitudinal binary responses. *Biometrika* 80(1), 141–151.
- Fong, Y., H. Rue, and J. Wakefield (2010). Bayesian inference for generalized linear mixed models. *Biostatistics* 11(3), 397–412.
- Friedman, J. H. and W. Stuetzle (1981). Projection pursuit regression. *Journal of the American Statistical Association* 76(376), 817–823.
- Fuglstad, G.-A., D. Simpson, F. Lindgren, and H. Rue (2015). Constructing Priors that Penalize the Complexity of Gaussian Random Fields. *arXiv preprint arXiv:1503.00256*, 1 – 44.

- Fuller, W. A. (1987). *Measurement Error Models*. New York: John Wiley & Sons.
- Geisser, S. and W. F. Eddy (1979). A predictive approach to model selection. *Journal of the American Statistical Association* 74(365), 153–160.
- Gelfand, A. E. and A. F. Smith (1990). Sampling-based approaches to calculating marginal densities. *Journal of the American Statistical Association* 85(410), 398–409.
- Gelman, A. (2006). Prior distributions for variance parameters in hierarchical models. *Bayesian Analysis* 1(3), 515–533.
- Gelman, A., J. B. Carlin, H. S. Stern, and D. B. Rubin (2014). *Bayesian Data Analysis* (3rd ed.). New York: Chapman & Hall/CRC Press.
- Gelman, A., J. Hwang, and A. Vehtari (2014). Understanding predictive information criteria for Bayesian models. *Statistics and Computing* 24(6), 997–1016.
- Gelman, A., X.-L. Meng, and H. Stern (1996). Posterior predictive assessment of model fitness via realized discrepancies. *Statistica Sinica* 6, 733–760.
- Gneiting, T., F. Balabdaoui, and A. E. Raftery (2007). Probabilistic forecasts, calibration and sharpness. *Journal of the Royal Statistical Society: Series B (Methodology)* 69(2), 243–268.
- Godfrey, P. J., A. Ruby, and O. T. Zajicek (1985). The Massachusetts acid rain monitoring project: Phase 1. In *Water Resource Research Center*. University of Massachusetts.
- Goldsmith, J., C. M. Crainiceanu, B. Caffo, and D. Reich (2012). Longitudinal penalized functional regression for cognitive outcomes on neuronal tract measurements. *Journal of the Royal Statistical Society: Series C (Applied statistics)* 61(3), 453–469.
- Gomez, G., M. L. Calle, R. Oller, and K. Langohr (2009). Tutorial on methods for interval-censored data and their implementation in R. *Statistical Modelling* 9(4), 259–297.
- Green, P. J. and B. W. Silverman (1994). *Nonparametric Regression and Generalized Linear Models: a Roughness Penalty Approach*. Boca Raton: Chapman & Hall.
- Guo, X. and B. P. Carlin (2004). Separate and joint modeling of longitudinal and event time data using standard computer packages. *The American Statistician* 58(1), 16–24.
- Gustafson, P. (2004). *Measurement Error and Misclassification in Statistics and Epidemiology: Impacts and Bayesian Adjustments*. Boca Raton: Chapman & Hall.
- Hadfield, J. D. (2010). MCMC methods for multi-response generalized linear mixed models: The MCMCglmm R package. *Journal of Statistical Software* 33(2), 1–22.

- Hammer, S. M., K. E. Squires, M. D. Hughes, J. M. Grimes, L. M. Demeter, J. S. Currier, J. J. Eron Jr., J. E. Feinberg, H. H. Balfour Jr., L. R. Deyton, et al. (1997). A controlled trial of two nucleoside analogues plus indinavir in persons with human immunodeficiency virus infection and CD4 cell counts of 200 per cubic millimeter or less. *New England Journal of Medicine* 337(11), 725–733.
- Hastie, T. and R. Tibshirani (1990). *Generalized Additive Models*. New York: Chapman & Hall.
- Hastie, T. and R. Tibshirani (2000). Bayesian backfitting. *Statistical Science* 15(3), 196–223.
- Hastings, W. K. (1970). Monte Carlo sampling methods using Markov chains and their applications. *Biometrika* 57(1), 97–109.
- Hawkins, D. (2005). *Biomeasurement*. New York: Oxford University Press.
- Held, L., B. Schrödle, and H. Rue (2010). Posterior and cross-validatory predictive checks: a comparison of MCMC and INLA. In *Statistical Modelling and Regression Structures*, pp. 91–110. New York: Springer.
- Henderson, C. R. (1982). Analysis of covariance in the mixed model: Higher-level, nonhomogeneous, and random regressions. *Biometrics* 38, 623–640.
- Henderson, R., P. Diggle, and A. Dobson (2000). Joint modelling of longitudinal measurements and event time data. *Biostatistics* 1(4), 465–480.
- Hjort, N. L., F. A. Dahl, and G. H. Steinbakk (2006). Post-processing posterior predictive p values. *Journal of the American Statistical Association* 101(475), 1157–1174.
- Hoerl, A. E., R. W. Kannard, and K. F. Baldwin (1975). Ridge regression: Some simulations. *Communications in Statistics: Theory and Methods* 4(2), 105–123.
- Hoerl, A. E. and R. W. Kennard (1970). Ridge regression: Biased estimation for nonorthogonal problems. *Technometrics* 12(1), 55–67.
- Hosmer, D. W. and S. Lemeshow (2004). *Applied Logistic Regression*. New York: John Wiley & Sons.
- Hosmer, D. W., S. Lemeshow, and S. May (2008). *Applied Survival Analysis: Regression Modelling of Time to Event Data* (2nd ed.). New York: Wiley-Interscience.
- Hsiang, T. (1975). A Bayesian view on ridge regression. *The Statistician* 24(4), 267–268.
- Jolliffe, I. T. (1982). A note on the use of principal components in regression. *Journal of the Royal Statistical Society: Series C (Applied Statistics)* 31(3), 300–303.
- Kardaun, O. (1983). Statistical survival analysis of male larynx-cancer patients: A case study. *Statistica Neerlandica* 37(3), 103–125.

- Klein, J. P. and M. L. Moeschberger (2005). *Survival Analysis: Techniques for Censored and Truncated Data*. New York: Springer.
- Kutner, M. H., C. J. Nachtsheim, J. Neter, and W. Li (2004). *Applied Linear Statistical Models* (5th ed.). New York: McGraw-Hill Irwin.
- Lambert, D. (1992). Zero-inflated Poisson regression models with an application to defects in manufacturing. *Technometrics* 34(1), 1 – 14.
- Lang, S. and A. Brezger (2004). Bayesian P-splines. *Journal of Computational and Graphical Statistics* 13(1), 183–212.
- Lange, K. L., R. J. Little, and J. M. Taylor (1989). Robust statistical modeling using the t distribution. *Journal of the American Statistical Association* 84(408), 881–896.
- Le Cam, L. (2012). *Asymptotic Methods in Statistical Decision Theory*. New York: Springer.
- Lindgren, F. and H. Rue (2008a). On the second-order random walk model for irregular locations. *Scandinavian Journal of Statistics* 35(4), 691–700.
- Lindgren, F. and H. Rue (2008b). On the second-order random walk model for irregular locations. *Scandinavian Journal of Statistics* 35(4), 691–700.
- Lindgren, F. and H. Rue (2015). Bayesian spatial modelling with R-INLA. *Journal of Statistical Software* 63(19), 1–25.
- Lindgren, F., H. Rue, and J. Lindström (2011). An explicit link between gaussian fields and gaussian markov random fields: the stochastic partial differential equation approach (with discussion). *Journal of the Royal Statistical Society: Series B (Methodology)* 73(4), 423–498.
- Lindsey, J. K. (1997). *Applying Generalized Linear Models*. New York: Springer.
- Liu, C. and D. B. Rubin (1995). ML estimation of the t distribution using EM and its extensions, ECM and ECME. *Statistica Sinica* 5(1), 19–39.
- Long, J. S. (1997). *Regression Models for Categorical and Limited Dependent Variables*. Thousand Oaks: Sage Publications.
- Lunn, D., C. Jackson, N. Best, A. Thomas, and D. Spiegelhalter (2012). *The BUGS Book: A Practical Introduction to Bayesian Analysis*. Boca Raton: CRC Press.
- Marshall, E. C. and D. J. Spiegelhalter (2007). Identifying outliers in Bayesian hierarchical models: A simulation-based approach. *Bayesian Analysis* 2(2), 409–444.
- Martino, S., R. Akerkar, and H. Rue (2011). Approximate Bayesian inference for survival models. *Scandinavian Journal of Statistics* 38(3), 514–528.

- Martins, T. G., D. Simpson, F. Lindgren, and H. Rue (2013). Bayesian computing with INLA: New features. *Computational Statistics and Data Analysis* 67, 68–83.
- McCullagh, P. and J. A. Nelder (1989). *Generalized Linear Models* (2nd ed.). London: CRC Press.
- McGilchrist, C. and C. Aisbett (1991). Regression with frailty in survival analysis. *Biometrics* 47(2), 461–466.
- McNeil, D. R. (1977). *Interactive Data Analysis*. New York: Wiley.
- Meng, X.-L. (1994). Posterior predictive p -values. *The Annals of Statistics* 22(3), 1142–1160.
- Metropolis, N., A. W. Rosenbluth, M. N. Rosenbluth, A. H. Teller, and E. Teller (1953). Equation of state calculations by fast computing machines. *The Journal of Chemical Physics* 21(6), 1087–1092.
- Montgomery, D. C. (2013). *Design and Analysis of Experiments* (8th ed.). New York: John Wiley & Sons.
- Morrison, H. L., M. Mateo, E. W. Olszewski, P. Harding, et al. (2000). Mapping the galactic halo I: The “spaghetti” survey. *The Astronomical Journal* 119, 2254–2273.
- Muff, S., A. Riebler, L. Held, H. Rue, and P. Saner (2015). Bayesian analysis of measurement error models using integrated nested laplace approximations. *Journal of the Royal Statistical Society: Series C (Applied Statistics)* 64(2), 231–252.
- Myers, R. and D. Montgomery (1997). A tutorial on generalized linear models. *Journal of Quality Technology* 29(3), 274 – 291.
- Nelder, J. A. and R. J. Baker (2004). Generalized linear models. In *Encyclopedia of Statistical Sciences*. New York: John Wiley & Sons.
- O’Sullivan, F. (1986). A statistical perspective on ill-posed inverse problems. *Statistical Science* 1(4), 502–527.
- Pettit, L. (1990). The conditional predictive ordinate for the normal distribution. *Journal of the Royal Statistical Society: Series B (Methodological)* 52, 175–184.
- Plummer, M. et al. (2003). JAGS: A program for analysis of Bayesian graphical models using Gibbs sampling. In *Proceedings of the 3rd International Workshop on Distributed Statistical Computing*, Volume 124, pp. 125. Vienna.
- Prater, N. (1956). Estimate gasoline yields from crudes. *Petroleum Refiner* 35(5), 236 – 238.
- Ramsay, J. O. and B. W. Silverman (2005). *Functional Data Analysis* (2nd ed.). New York: Springer.

- Rasmussen, C. and C. Williams (2006). *Gaussian Processes for Machine Learning*. Cambridge, MA: The MIT Press.
- Richardson, S. and W. Gilks (1993). Conditional independence models for epidemiological studies with covariate measurement error. *Statistics in Medicine* 12(18), 1703–1722.
- Rue, H. and L. Held (2005). *Gaussian Markov Random Fields: Theory and Applications*. London: Chapman & Hall.
- Rue, H. and S. Martino (2007). Approximate Bayesian inference for hierarchical Gaussian Markov random field models. *Journal of Statistical Planning and Inference* 137(10), 3177–3192.
- Rue, H., S. Martino, and N. Chopin (2009). Approximate Bayesian inference for latent Gaussian models using integrated nested Laplace approximations (with discussion). *Journal of the Royal Statistical Society: Series B (Methodological)* 71(2), 319–392.
- Rue, H., A. Riebler, S. H. Sørbye, J. B. Illian, D. P. Simpson, and F. Lindgren (2017). Bayesian computing with INLA: a review. *Annual Review of Statistics and Its Application* 4, 395–421.
- Ruppert, D. (2002). Selecting the number of knots for penalized splines. *Journal of Computational and Graphical Statistics* 11, 735–757.
- Ruppert, D. and R. J. Carroll (2000). Spatially-adaptive penalties for spline fitting. *Australian and New Zealand Journal of Statistics* 42(2), 205–223.
- Ruppert, D., M. P. Wand, and R. J. Carroll (2003). *Semiparametric Regression*. New York: Cambridge University Press.
- Sheather, S. J. and M. C. Jones (1991). A reliable data-based bandwidth selection method for kernel density estimation. *Journal of the Royal Statistical Society: Series B (Methodological)* 53, 683–690.
- Shumway, R. H. and D. S. Stoffer (2011). *Time Series Analysis and Its Applications: with R Examples* (3rd ed.). New York: Springer.
- Simpson, D., F. Lindgren, and H. Rue (2012). Think continuous: Markovian Gaussian models in spatial statistics. *Spatial Statistics* 1, 16–29.
- Simpson, D. P., T. G. Martins, A. Riebler, G.-A. Fuglstad, H. Rue, and S. H. Sørbye (2017). Penalising model component complexity: A principled, practical approach to constructing priors. *Statistical Science* 32(1), 1–28.
- Singer, J. D. and J. B. Willett (2003). *Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence*. London: Oxford University Press.
- Sørbye, S. H. and H. Rue (2014). Scaling intrinsic Gaussian Markov random field priors in spatial modelling. *Spatial Statistics* 8, 39–51.

- Speckman, P. L. and D. Sun (2003). Fully Bayesian spline smoothing and intrinsic autoregressive priors. *Biometrika* 90(2), 289–302.
- Spiegelhalter, D. J., N. G. Best, B. P. Carlin, and A. Linde (2014). The deviance information criterion: 12 years on. *Journal of the Royal Statistical Society: Series B (Methodological)* 76(3), 485–493.
- Spiegelhalter, D. J., N. G. Best, B. P. Carlin, and A. Van Der Linde (2002). Bayesian measures of model complexity and fit. *Journal of the Royal Statistical Society: Series B (Methodological)* 64(4), 583–639.
- Stan Development Team (2016). *Stan Modeling Language: User's Guide and Reference Manual*. Stan Development Team.
- Sun, D. and P. L. Speckman (2008). Bayesian hierarchical linear mixed models for additive smoothing splines. *Annals of the Institute of Statistical Mathematics* 60(3), 499–517.
- Sun, D., R. K. Tsutakawa, and P. L. Speckman (1999). Posterior distribution of hierarchical models using CAR(1) distributions. *Biometrika* 86, 341–350.
- Therneau, T. M., P. M. Grambsch, and T. R. Fleming (1990). Martingale-based residuals for survival models. *Biometrika* 77(1), 147–160.
- Thodberg, H. H. (1993). Ace of Bayes: Application of neural networks with pruning. Technical report, The Danish Meat Research Institute, Maglegaardsvej 2, DK-4000.
- Tiao, G. C. and A. Zellner (1964). On the bayesian estimation of multivariate regression. *Journal of the Royal Statistical Society: Series B (Methodological)* 26(2), 277–285.
- Tierney, L. and J. B. Kadane (1986). Accurate approximations for posterior moments and marginal densities. *Journal of the American Statistical Association* 81(393), 82–86.
- Tsiatis, A. A. and M. Davidian (2004). Joint modeling of longitudinal and time-to-event data: An overview. *Statistica Sinica* 14(3), 809–834.
- Umlauf, N., D. Adler, T. Kneib, S. Lang, and A. Zeileis (2015). Structured additive regression models: An R interface to BayesX. *Journal of Statistical Software* 63(1), 1–46.
- Vaupel, J. W., K. G. Manton, and E. Stallard (1979). The impact of heterogeneity in individual frailty on the dynamics of mortality. *Demography* 16(3), 439–454.
- Wahba, G. (1978). Improper priors, spline smoothing and the problem of guarding against model errors in regression. *Journal of the Royal Statistical Society: Series B (Methodology)* 40(3), 364–372.

- Wahba, G. (1990). *Spline Models for Observational Data*. Philadelphia: SIAM [Society for Industrial and Applied Mathematics].
- Wakefield, J. (2013). *Bayesian and Frequentist Regression Methods*. New York: Springer.
- Wand, M. P. and J. T. Ormerod (2008). On semiparametric regression with O’Sullivan penalized splines. *Australian and New Zealand Journal of Statistics* 50(2), 179–198.
- Wang, X.-F. (2012). Joint generalized models for multidimensional outcomes: A case study of neuroscience data from multimodalities. *Biometrical Journal* 54(2), 264–280.
- Wang, X.-F., Z. Fan, and B. Wang (2010). Estimating smooth distribution function in the presence of heteroscedastic measurement errors. *Computational Statistics and Data Analysis* 54(1), 25–36.
- Wang, X.-F. and B. Wang (2011). Deconvolution estimation in measurement error models: The R package decon. *Journal of Statistical Software* 39(10), 1–24.
- Watanabe, S. (2010). Asymptotic equivalence of bayes cross validation and widely applicable information criterion in singular learning theory. *Journal of Machine Learning Research* 11, 3571–3594.
- Whittle, P. (1954). On stationary processes in the plane. *Biometrika* 41, 434–449.
- Whyte, B., J. Gold, A. Dobson, and D. Cooper (1987). Epidemiology of acquired immunodeficiency syndrome in Australia. *The Medical Journal of Australia* 146(2), 65–69.
- Wood, S. N. (2003). Thin plate regression splines. *Journal of the Royal Statistical Society: Series B (Methodological)* 65(1), 95–114.
- Wood, S. N. (2006). *Generalized Additive Models: An Introduction with R*. New York: Chapman & Hall/CRC Press.
- Wood, S. N. (2008). Fast stable direct fitting and smoothness selection for generalized additive models. *Journal of the Royal Statistical Society: Series B (Methodological)* 70(3), 495–518.
- Yue, Y. and P. L. Speckman (2010). Nonstationary spatial Gaussian Markov random fields. *Journal of Computational and Graphical Statistics* 19(1), 96–116.
- Yue, Y. R., D. Bolin, H. Rue, and X.-F. Wang (2018). Bayesian generalized two-way ANOVA modeling for functional data using INLA. *Statistica Sinica*, in press.
- Yue, Y. R., D. Simpson, F. Lindgren, and H. Rue (2014). Bayesian adaptive smoothing spline using stochastic differential equations. *Bayesian Analysis* 9(2), 397–424.

