

Consistency References

- ALBIAC, F. and KALTON, N. J. (2006). *Topics in Banach Space Theory, Graduate Texts in Mathematics*, vol. 233. Springer-Verlag, New York, NY.
- AMEWOU-ATISSO, M., GHOSAL, S., GHOSH, J. K. and RAMAMOORTHY, R. V. (2003). Posterior consistency for semi-parametric regression problems. *Bernoulli* **9** 291–312.
- BARRON, A., SCHERVISH, M. J. and WASSERMAN, L. (1999). The consistency of posterior distributions in nonparametric problems. *Ann. Stat.* **27** 536–561. doi:10.1214/aos/1018031206.
- BAUM, L. E., KATZ, M. and READ, R. R. (1962). Exponential convergence rates for the law of large numbers. *T. Am. Math. Soc.* **102** 187–199.
- BERGER, J. O. and STRAWDERMAN, W. E. (1996). Choice of hierarchical priors: Admissibility in estimation of normal means. *Ann. Stat.* **24** 931–951. doi:10.1214/aos/1032526950.
- BILLINGSLEY, P. J. (1999). *Convergence of Probability Measures*. Wiley Series in Probability and Statistics: Probability and Statistics, John Wiley & Sons, New York, NY, second edn.
- BIRGÉ, L. (1983). Approximation dans les espaces métriques et théorie de l'estimation. *Z. Wahrscheinlichkeit.* **65** 181–237.
- BLYTH, C. R. (1951). On minimax statistical decision procedures and their admissibility. *Ann. Math. Statist.* **22** 22–42. doi:10.1214/aoms/1177729690.
- BROWN, L. D. (1971). Admissible estimators, recurrent diffusions, and insoluble boundary value problems. *Ann. Math. Statist.* **42** 855–903. doi:10.1214/aoms/1177693318. See also minor corrections in (Brown, 1975).
- BROWN, L. D. (1975). Correction to (Brown, 1971). *Ann. Stat.* **1** 594–596. doi:10.1214/aos/1176342433.
- CHOI, T. and SCHERVISH, M. J. (2007). On posterior consistency in nonparametric regression problems. *J. Multivariate Anal.* **98** 1969–1987. doi:10.1016/j.jmva.2007.01.004.
- CHOUDHURI, N., GHOSAL, S. and ROY, A. (2004). Bayesian estimation of the spectral density of a time series. *J. Am. Stat. Assoc.* **99** 1050–1059.
- CHOUDHURI, N., GHOSAL, S. and ROY, A. (2006). Nonparametric binary regression using a Gaussian process prior. *Statistical Methodology* 227–243.
- CORAM, M. and LALLEY, S. P. (2006). Consistency of Bayes estimators of a binary regression function. *Ann. Stat.* **34** 1233–1269. doi:10.1214/009053606000000236.
- DASS, S. C. and LEE, J. (2004). A note on the consistency of Bayes factors for testing point null versus non-parametric alternatives. *J. Stat. Plan. Infer.* **119** 143–152.

- DIACONIS, P. and FREEDMAN, D. A. (1986). On the consistency of Bayes estimates. *Ann. Stat.* **14** 1–67. doi:10.1214/aos/1176349830--1176349842.
- DIACONIS, P. and FREEDMAN, D. A. (1986). On inconsistent Bayes estimates of location. *Ann. Stat.* **14** 68–87. doi:10.1214/aos/1176349843.
- DIACONIS, P. W. and FREEDMAN, D. A. (1998). Consistency of Bayes estimates for nonparametric regression: Normal theory. *Bernoulli* **4** 411–444.
- EFRON, B. and MORRIS, C. N. (1975). Data analysis using Stein’s estimator and its generalisations. *J. Am. Stat. Assoc.* **70** 311–319.
- EFRON, B. and MORRIS, C. N. (1977). Stein’s paradox in statistics. *Scientific American* **236** 119–127. doi:10.1038/scientificamerican0577-119.
- FARRELL, R. H. (1967). Weak limits of sequences of Bayes procedures in estimation theory. In [Le Cam and Neyman \(1967\)](#), 83–111.
- FOURDRINIER, D., STRAWDERMAN, W. E. and WELLS, M. T. (1998). On the construction of Bayes minimax estimators. *Ann. Stat.* **26** 660–671. doi:10.1214/aos/1028144853.
- FREEDMAN, D. A. (1963). On the asymptotic behavior of Bayes’ estimates in the discrete case. *Ann. Math. Statist.* **34** 1386–1403.
- GE, Y. and JIANG, W. (2006). On consistency of Bayesian inference with mixtures of logistic regression. *Neural Computation* **18** 224–243. doi:10.1214/09-AOS765.
- GELFAND, I. M., GRAEV, M. I. and VILENKIN, N. Y. (1966). *Generalized Functions: Integral Geometry and Representation Theory*, vol. 5. Academic Press, New York, NY. Translated from 1961 Russian version by Eugene Saletan.
- GELFAND, I. M. and SHILOV, G. E. (1964a). *Generalized Functions: Properties and Operations*, vol. 1. Academic Press, New York, NY. Translated from 1961 Russian by Eugene Saletan.
- GELFAND, I. M. and SHILOV, G. E. (1964b). *Generalized Functions: Theory of Differential Equations*, vol. 3. Academic Press, New York, NY. Translated from 1961 Russian version by Meinhard E. Mayer.
- GELFAND, I. M. and SHILOV, G. E. (1968). *Generalized Functions: Spaces of Fundamental and Generalized Functions*, vol. 2. Academic Press, New York, NY. Translated from 1961 Russian version by Morris D. Friedman, Amiel Feinstein and Christian P. Peltzer.
- GELFAND, I. M. and VILENKIN, N. Y. (1964). *Generalized Functions: Applications of Harmonic Analysis*, vol. 4. Academic Press, New York, NY. Translated from 1961 Russian version by Amiel Feinstein.

- GEMEN, S. and HWANG, C.-R. (1982). Nonparametric maximum likelihood estimation by the method of sieves. *Ann. Stat.* **10** 401–414.
- GHOSAL, S., GHOSH, J. K. and RAMAMOORTHI, R. V. (1999). Posterior consistency of Dirichlet mixtures in density estimation. *Ann. Stat.* **27** 143–158.
- GHOSAL, S., GHOSH, J. K. and VAN DER VAART, A. W. (2000). Convergence rates of posterior distributions. *Ann. Stat.* **28** 500–531.
- GHOSAL, S. and ROY, A. (2006). Posterior consistency of Gaussian process prior for nonparametric binary regression. *Ann. Stat.* **34** 2413–2429. doi:10.1214/009053606000000795.
- GHOSAL, S. and VAN DER VAART, A. W. (2007a). Convergence rates of posterior distributions for noniid observations. *Ann. Stat.* **35** 192–223.
- GHOSAL, S. and VAN DER VAART, A. W. (2007b). Posterior convergence rates of Dirichlet mixtures at smooth densities. *Ann. Stat.* **35** 697–723.
- GHOSH, J. K. and RAMAMOORTHI, R. V. (2003). *Bayesian Nonparametrics*. Springer Series in Statistics, Springer-Verlag, New York, NY.
- GIROSI, F. and ANZELLOTTI, G. (1992). Convergence rates of approximation by translates. Tech. Rep. AIM-1288, Massachusetts Institute of Technology, Cambridge, MA.
- JACOD, J. and SHIRYAEV, A. N. (1987). *Limit Theorems for Stochastic Processes, Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*, vol. 288. Springer-Verlag, Berlin, DE.
- JAMES, W. and STEIN, C. M. (1961). Estimation with quadratic loss. In [Le Cam, Neyman and Scott \(1961\)](#), 361–380.
- JIANG, W. and TANNER, M. A. (1999). Hierarchical mixtures-of-experts for exponential family regression models: approximation and maximum likelihood estimation. *Ann. Stat.* **27** 987–1011. doi:1018031265.
- KASAHARA, Y. and MAEJIMA, M. (1988). Weak convergence of functionals of point processes on \mathbf{R}^d . In *Stochastic Analysis (Paris, 1987), Lecture Notes in Mathematics*, vol. 1322, 73–84. Springer-Verlag, Berlin, DE.
- LE CAM, L. M. and NEYMAN, J., eds. (1967). *Proceedings of the Fifth Berkeley Symposium on Mathematical Statistics and Probability*. University of California Press, Berkeley, CA.
- LE CAM, L. M., NEYMAN, J. and SCOTT, E. L., eds. (1961). *Proceedings of the Fourth Berkeley Symposium on Mathematical Statistics and Probability*. University of California Press, Berkeley, CA.

- LE CAM, L. M., NEYMAN, J. and SCOTT, E. L., eds. (1972). *Proceedings of the Sixth Berkeley Symposium on Mathematical Statistics and Probability*, vol. 3. University of California Press, Berkeley, CA.
- LEDOUX, M. and TALAGRAND, M. (1991). *Probability in Banach spaces, Ergebnisse der Mathematik und ihrer Grenzgebiete 3*, vol. 23. Springer-Verlag, Berlin, DE. Preliminary version on-line at <http://people.math.jussieu.fr/~talagran/book.ps.gz>.
- LI, W. V., PILLAI, N. S. and WOLPERT, R. L. (2010). On the supremum of a certain family of stochastic processes. *Statistics and Probability Letters* **80** 916–921. doi:10.1016/j.spl.2010.02.001.
- LIJOI, A., PRÜNSTER, I. and WALKER, S. G. (2005). On the consistency of nonparametric normal mixtures for Bayesian density estimation. *J. Am. Stat. Assoc.* **100** 1292–1296.
- LO, A. Y. (1982). Bayesian nonparametric statistical inference for Poisson point processes. *Z. Wahrscheinlichkeit.* **59** 55–66.
- NEWTON, M. A. (2002). On a nonparametric recursive estimator of the mixing distribution. *Sankhyā, Ser. A* **64** 306–322. Selected Articles from San Antonio Conference in Honour of C. R. Rao (Jun, 2002).
- NEYMAN, J., ed. (1956). *Proceedings of the Third Berkeley Symposium on Mathematical Statistics and Probability*. University of California Press, Berkeley, CA.
- NORETS, A. (2010). Approximation of conditional densities by smooth mixtures of regressions. *Ann. Stat.* **38** 1733–1766. doi:10.1214/09-AOS765.
- REYNAUD-BOURET, P. (2006). Compensator and exponential inequalities for some suprema of counting processes. *Statistics & Probability Letters* **76** 1514–1521.
- SACKS, J. (1963). Generalized Bayes solutions in estimation problems. *Ann. Math. Statist.* **34** 751–768. doi:10.1214/aoms/1177704001.
- SCHWARTZ, L. (1966). *Théorie des distributions*. Hermann, Paris, FR.
- SHEN, X. and WASSERMAN, L. (2001). Rates of convergence of posterior distributions. *Ann. Stat.* **29** 687–714.
- SHORACK, G. R. and WELLNER, J. A. (2009). *Empirical processes with applications to statistics, Classics in Applied Mathematics*, vol. 59. SIAM, Philadelphia, PA. Originally published : New York: Wiley, 1986.
- STEIN, C. M. (1955). A necessary and sufficient condition for admissibility. *Ann. Math. Statist.* **26** 518–522. doi:10.1214/aoms/1177728497.
- STEIN, C. M. (1956). Inadmissibility of the usual estimator for the mean of a multivariate normal distribution. In [Neyman \(1956\)](#), 197–206.

- STRAWDERMAN, W. E. (1971). Proper Bayes minimax estimators of the multivariate normal mean. *Ann. Math. Statist.* **42** 385–388.
- STRAWDERMAN, W. E. (1972). On the existence of proper Bayes minimax estimators of the mean of a multivariate normal distribution. In [Le Cam, Neyman and Scott \(1972\)](#), 51–55.
- STRAWDERMAN, W. E. (1973). Proper Bayes minimax estimators of the multivariate normal mean vector for the case of common unknown variances. *Ann. Stat.* **1** 1189–1194.
- STRAWDERMAN, W. E. (1974). Minimax estimation of location parameters for certain spherically symmetric distributions. *J. Multivariate Anal.* **4** 255–264.
- STRAWDERMAN, W. E. and COHEN, A. (1971). Admissibility of estimators of the mean vector of a multivariate normal distribution with quadratic loss. *Ann. Math. Statist.* **42** 270–296. doi:10.1214/aoms/1177693511.
- TALAGRAND, M. (1993). Regularity of infinitely divisible processes. *Ann. Prob.* **21** 362–432. doi:10.1214/aop/1176989409.
- TOKDAR, S. T. and GHOSH, J. K. (2006). Convergence and consistency of Newton’s algorithm for estimating mixing distribution. In *Frontiers in Statistics: Dedicated to Peter John Bickel* (J. Fan and H. L. Koul, eds.), 429–443. Imperial College Press, London, UK.
- TOKDAR, S. T., MARTIN, R. and GHOSH, J. K. (2009). Consistency of a recursive estimate of mixing distributions. *Ann. Stat.* **37** 2502–2522. doi:10.1214/08-AOS639.
- VAN DER VAART, A. W. and WELLNER, J. A. (1996). *Weak Convergence and Empirical Processes With applications to statistics*. Springer Series in Statistics, Springer-Verlag, New York, NY.
- WALD, A. (1949). Note on the consistency of the maximum likelihood estimate. *Ann. Math. Statist.* **20** 595–601. doi:10.1214/aoms/1177729952.
- WALKER, S. G. (2003a). Bayesian consistency for a class of regression problems. *South African Statist. J.* **37** 151–169.
- WALKER, S. G. (2003b). On sufficient conditions for Bayesian consistency. *Biometrika* **90** 482–488.
- WALKER, S. G. (2004). Modern Bayesian asymptotics. *Stat. Sci.* **19** 111–117.
- WALKER, S. G. and HJORT, N. L. (2001). On Bayesian consistency. *J. Roy. Stat. Soc. B* **63** 811–821.

WASSERMAN, L. (1998). Asymptotic properties of nonparametric Bayesian inference. In *Practical Nonparametric and Semiparametric Bayesian Statistics* (D. K. Dey, P. Müller and D. Sinha, eds.), *Lecture Notes in Statistics*, vol. 133, 293–304. Springer-Verlag, New York, NY.