

# information-theory

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## References

- [1] P.H. Algoet. The strong law of large numbers for sequential decisions under uncertainty. *IEEE Trans. Inform. Theory*, 40(3):609–633, May 1994.
- [2] A. Barron, J. Rissanen, and Bin Yu. The minimum description length principle in coding and modeling. *IEEE Trans. Inform. Theory*, 44(6):2743–2760, Oct 1998.
- [3] A.R. Barron. Universal approximation bounds for superpositions of a sigmoidal function. *IEEE Trans. Inform. Theory*, 39(3):930–945, May 1993.
- [4] A.R. Barron and T.M. Cover. A bound on the financial value of information. *IEEE Trans. Inform. Theory*, 34(5):1097–1100, Sep 1988.
- [5] A.R. Barron and T.M. Cover. Minimum complexity density estimation. *IEEE Trans. Inform. Theory*, 37(4):1034–1054, Jul 1991.
- [6] B. S. Clarke and A. R. Barron. Jeffreys’ prior is asymptotically least favorable under entropy risk. *J. Stat. Plann. Infer.*, 31(1):37–60, 1994.
- [7] B.S. Clarke and A.R. Barron. Information-theoretic asymptotics of Bayes methods. *IEEE Trans. Inform. Theory*, 36(3):453–471, May 1990.
- [8] T.M. Cover and E. Ordentlich. Universal portfolios with side information. *IEEE Trans. Inform. Theory*, 42(2):348–363, Mar 1996.
- [9] L. Davisson. Universal noiseless coding. *IEEE Trans. Inform. Theory*, 19(6):783–795, Nov 1973.
- [10] L. Devroye. Automatic pattern recognition: a study of the probability of error. *IEEE Trans. Pattern Anal. Mach. Intell.*, 10(4):530–543, Jul 1988.
- [11] M. Feder. Maximum entropy as a special case of the minimum description length criterion. *IEEE Trans. Inform. Theory*, 32(6):847 – 849, Nov 1986.
- [12] M. Feder and N. Merhav. Relations between entropy and error probability. *IEEE Trans. Inform. Theory*, 40(1):259 – 266, Jan 1994.

- [13] M. Feder and N. Merhav. Hierarchical universal coding. *IEEE Trans. Inform. Theory*, 42(5):1354–1364, Sep 1996.
- [14] M. Feder, N. Merhav, and M. Gutman. Universal prediction of individual sequences. *IEEE Trans. Inform. Theory*, 38(4):1258–1270, Jul 1992.
- [15] M. Feder and A.C. Singer. Universal data compression and linear prediction. *Data Compression Conference*, 1998.
- [16] L. Györfi, G. Lugosi, and G. Morvai. A simple randomized algorithm for sequential prediction of ergodic time series. *IEEE Trans. Inform. Theory*, 47(5):2642 – 2650, Nov 1999.
- [17] L. Györfi, I. Pali, and E.C. Van der Meulen. There is no universal source code for an infinite source alphabet. *IEEE Trans. Inform. Theory*, 40(1):267–271, Jan 1994.
- [18] Y. Hershkovits and J. Ziv. On fixed-database universal data compression with limited memory. *IEEE Trans. Inform. Theory*, 43(6):1966–1976, Nov 1997.
- [19] J. Kieffer. A unified approach to weak universal source coding. *IEEE Trans. Inform. Theory*, 24(6):674–682, Nov 1978.
- [20] R. E. Krichevskiy. Laplace’s law of succession and universal encoding. *IEEE Trans. Inform. Theory*, 44(1):296–303, Jan 1998.
- [21] R. Krichevsky and V. Trofimov. The performance of universal encoding. *IEEE Trans. Inform. Theory*, 27(2):199–207, Mar 1981.
- [22] G. Lugosi and K. Zeger. Nonparametric estimation via empirical risk minimization. *IEEE Trans. Inform. Theory*, 41(3):677–687, May 1995.
- [23] G. Lugosi and K. Zeger. Concept learning using complexity regularization. *IEEE Trans. Inform. Theory*, 42(1):48–54, Jan 1996.
- [24] N. Merhav and M. Feder. Universal schemes for sequential decision from individual data sequences. *IEEE Trans. Inform. Theory*, 39(4):1280–1292, Jul 1993.
- [25] N. Merhav and M. Feder. A strong version of the redundancy-capacity theorem of universal. *IEEE Trans. Inform. Theory*, 41(3):714–722, May 1995.
- [26] N. Merhav, M. Feder, and M. Gutman. Some properties of sequential predictors for binary Markov sources. *IEEE Trans. Inform. Theory*, 39(3):887–892, May 1993.
- [27] E. Meron and M. Feder. Finite-memory universal prediction of individual sequences. *IEEE Trans. Inform. Theory*, 50(7):1506–1523, Jul 2004.

- [28] D.S. Modha and E. Masry. Minimum complexity regression estimation with weakly dependent observations. *IEEE Trans. Inform. Theory*, 42(6):2133–2145, Nov 1996.
- [29] D.S. Modha and E. Masry. Memory-universal prediction of stationary random processes. *IEEE Trans. Inform. Theory*, 44(1):117–133, Jan 1998.
- [30] G. Morvai, S.J. Yakowitz, and P. Algoet. Weakly convergent nonparametric forecasting of stationary time series. *IEEE Trans. Inform. Theory*, 43(2):483–498, Mar 1997.
- [31] D.S. Ornstein and B. Weiss. Entropy and data compression schemes. *IEEE Trans. Inform. Theory*, 39(1):78–83, Jan 1993.
- [32] J. Rissanen. Universal coding, information, prediction, and estimation. *IEEE Trans. Inform. Theory*, 30(4):629–636, Jul 1984.
- [33] J. Rissanen and G. Jr. Langdon. Universal modeling and coding. *IEEE Trans. Inform. Theory*, 27(1):12–23, Jan 1981.
- [34] J. Rissanen, T. P. Speed, and B. Yu. Density estimation by stochastic complexity. *IEEE Trans. Inform. Theory*, 38(2):315–323, Mar 1992.
- [35] J. J. Rissanen. Fisher information and stochastic complexity. *IEEE Trans. Inform. Theory*, 42(1):40–47, Jan 1996.
- [36] P.C. Shields. Universal redundancy rates do not exist. *IEEE Trans. Inform. Theory*, 39(2):520–524, Mar 1993.
- [37] N. Shulman and M. Feder. The Uniform Distribution as a Universal Prior. *IEEE Trans. Inform. Theory*, 50(6):1356 – 1362, Jun 2004.
- [38] T.J. Tjalkens and F.M.J. Willems. A universal variable-to-fixed length source code based on Lawrence’s algorithm. *IEEE Trans. Inform. Theory*, 38(2):247–253, Mar 1992.
- [39] M. J. Weinberger, N. Merhav, and M. Feder. Optimal sequential probability assignment for individual sequences. *IEEE Trans. Inform. Theory*, 40(2):384–396, Mar 1994.
- [40] M. J. Weinberger, J. J. Rissanen, and M. Feder. A universal finite memory source. *IEEE Trans. Inform. Theory*, 41(3):643–652, May 1995.
- [41] A.D. Wyner and J. Ziv. Some asymptotic properties of the entropy of a stationary ergodic data source with applications to data compression. *IEEE Trans. Inform. Theory*, 35(6):1250–1258, Nov 1989.
- [42] Q. Xie and A.R. Barron. Minimax redundancy for the class of memoryless sources. *IEEE Trans. Inform. Theory*, 43(2):646–657, Mar 1997.

- [43] Q. Xie and A.R. Barron. Asymptotic minimax regret for data compression, gambling, and prediction. *IEEE Trans. Inform. Theory*, 46(2):431 – 445, Mar 2000.
- [44] B. Yu. Lower bounds on expected redundancy for nonparametric classes. *IEEE Trans. Inform. Theory*, 42(1):272–275, Jan 1996.