

郑忠国教授论文目录

- [1] 许宝騄, 陈家鼎, 郑忠国. 随机矩阵的重合性质[J]. 北京大学学报 (自然科学版), 1979(01):21-47. DOI:10. 13209/j. 0479-8023. 1979. 002.
- [2] 郑忠国. 条件中位数的最近邻估计和它的 Bootstrap 统计量的渐近性质[J]. 中国科学(A 辑 数学 物理学 天文学 技术科学), 1984(12):1074-1088.
- [3] 郑忠国. 线性模型中位置参数和刻度参数的稳健估计[J]. 应用数学学报, 1985, 8(01):17-28.
- [4] Zheng Zhongguo. The Asymptotic Behavior of the Nearest Neighbor Estimate and its Bootstrap Statistics[J]. Scientia Sinica, Ser. A, 1985, 28(05):479-494.
- [5] Zheng Zhongguo. On the Asymptotic Behavior of Nearest Neighbor Estimator of Conditional Median[J]. Acta Mathematica Sinica, 1985, 1(03):206-212.
- [6] 郑忠国. 非参数回归模型中回归函数的估计的渐近性质[J]. 应用数学学报, 1985, 8(03):317-328.
- [7] 郑忠国. Bootstrap 方法和稳健性[J]. 数学年刊 A 辑(中文版), 1986, 7A(01):83-90.
- [8] 郑忠国. M-估计的推广[J]. 北京大学学报 (自然科学版), 1986(01):23-34. DOI:10. 13209/j. 0479-8023. 1986. 003.
- [9] 郑忠国. 关于稳健估计的若干问题[J]. 数学进展, 1986, 15(01):1-8.
- [10] Collins J.R., Sheahan J.N., Zheng Z. Robust Estimation in the Linear Model with Asymmetric Error Distributions[J]. Journal of Multivariate Analysis, 1986, 20 (2):220-243.
- [11] 郑忠国. 控制问题中的容许性问题[J]. 数学学报, 1986, 29(03):408-412.
- [12] 郑忠国. 条件中位数的最近邻估计的大偏差概率的指数率[J]. 系统科学与数学, 1986, 6(04):247-257.
- [13] 郑忠国. 二值回归模型中自变量误差的处理[J]. 数学研究与评论, 1987, 7(02):305-310.
- [14] 郑忠国. 均值误差的随机加权分布的渐近展开——非独立同分布情况[J]. 应用概率统计, 1987, 3(02):159-166.
- [15] 郑忠国. 随机加权法[J]. 应用数学学报, 1987, 10(02):247-253.
- [16] 涂冬生, 郑忠国. 随机加权法的渐近展开[J]. 应用概率统计, 1987, 3(04):340-347.
- [17] 何崑, 郑忠国. 具有模糊尾部的分布族中的 Robust 估计方法[J]. 数学进展, 1988, 17(02):179-185.
- [18] 郑忠国. 随机加权法在线性模型中的应用[J]. 系统科学与数学, 1988, 8(02):151-166.
- [19] 郑忠国, 涂冬生. 线性模型中的随机加权逼近[J]. 中国科学(A 辑 数学 物理学 天文学 技术科学), 1988(06):561-575.
- [20] 郑忠国. 具独立误差分布的线性模型的随机加权逼近[J]. 数学年刊 A 辑(中文版), 1988,

9A(06):724-735.

[21] 郑忠国. M 估计和随机加权法[J]. 北京大学学报 (自然科学版), 1988, 24(03):277-286. DOI:10. 13209/j. 0479-8023. 1988. 035.

[22] Zheng Zhongguo. The Expansion for the Error Distribution of Sample Median and its Random Weighting Statistic[J]. Acta Mathematicae Applicatae Sinica (English Series), 1988, 4(04):340-344.

[23] Zheng Zhongguo, Tu Dongsheng. Random Weighting Method in Regression Models[J]. Scientia Sinica, Ser. A, 1988, 31(12):1442-1459.

[24] Zheng Zhongguo. Random Weighting Method for T Statistic[J]. Acta Mathematica Sinica, 1989, 5(01):87-94.

[25] Chen Keiwei, Zheng Zhongguo. Relative Failure Rate and its Test[J]. Systems Science and Mathematical Sciences, 1989, 2(03):252-256.

[26] Chen Keh-wei, Zheng Zhongguo. Relative Trend and its Test[J]. Systems Science and Mathematical Sciences, 1989, 2(04):313-316.

[27] Zheng Zhongguo. Nonparametric Estimation for a General, Regression Model[J]. 应用概率统计, 1990, 6(04):439-444.

[28] 孙万龙, 郑忠国, 陈家鼎, 周正伐. 定期检测数据情形下参数的置信限[J]. 北京大学学报 (自然科学版), 1991, 27(03):292-300. DOI:10. 13209/j. 0479-8023. 1991. 037.

[29] 郑忠国, 王友干, 尹明. 一般回归模型中的 U 统计量[J]. 应用概率统计, 1991, 7(03):283-290.

[30] K. W. Chen, Zheng Zhongguo. A Class of Tests Using L Statistic for Constant Relative Failure Rate Against Monotone Relative Failure Rate[J]. Systems Science and Mathematical Sciences, 1992, 5(01):19-26.

[31] Zheng Zhongguo. Optimal Rate of Convergence for Estimators in the Nonparametric Median Model[J]. Systems Science and Mathematical Sciences, 1992, 5(03):239-250.

[32] 郑忠国, 蒋继明. L-M 法置信下限的渐近特性[J]. 应用概率统计, 1992, 8(04):67-74.

[33] Yang Ying, Zheng Zhongguo. Asymptotic Properties for Cross-validated Nearest Neighbor Median Estimates in Nonparametric Regression:the L_1 -view. Probability and Statistics (Edited by Z. Jiang, S. Yan, P. Cheng and R. Wu), 1992:242-257. World Scientific, Singapore.

[34] 郑忠国, 金华. 串联系统可靠性的两层数据虚拟系统法置信下限[J]. 北京大学学报 (自然科学版), 1993, 29(01):26-34. DOI:10. 13209/j. 0479-8023. 1993. 004.

[35] Zheng Zhongguo. Improvement on the Test in the Exponential Family[J]. Systems Science and Mathematical Sciences, 1993, 6(02):137-144.

[36] Zheng Zhongguo, Jin Hua. Virtual System Method[J]. Journal of Mathematical Research & Exposition, 1993, 13(02):167-176.

[37] Zheng Zhongguo. Lower Confidence Limit in Censored Case[J]. Systems Science and Mathematical Sciences, 1994, 7(01):40-44.

- [38] Zheng Zhongguo, Fang K T. On Fisher's Bound for Stable Estimators with Extension to the Case of Hilbert Parameter Space[J]. *Statistica Sinica*, 1994, 4:679-692.
- [39] Zheng Zhongguo. Optimal UMP Test for Parameter in the Exponential Family[J]. *Acta Mathematicae Applicatae Sinica (English Series)*, 1994, 10(04):368-376.
- [40] Zheng Zhongguo. The Virtual System Method for Estimation of Parameter in System Tree[J]. *Multivariate Analysis and Its Applications IMS Lecture Notes-Monograph Series*, 1994, 24:413-426.
- [41] 石坚, 郑忠国. 相关模型中的 Edgeworth 展开与随机加权逼近[J]. *科学通报*, 1994, 39(21):1925-1927.
- [42] 郑忠国. 关于可靠性评估中的数据转换问题[J]. *质量与可靠性*, 1995(01):23-25.
- [43] Shi Jian, Zheng Zhongguo. Random Weighting T-Statistics in Linear Regression Models[J]. *Acta Mathematica Sinica (New Series)*, 1995, 11(02):188-199.
- [44] 施沛德, 郑忠国. 相依数据部分线性模型的 M 估计的收敛速度[J]. *中国科学 (A 辑 数学 物理学 天文学 技术科学)*, 1995, 25(02):147-154.
- [45] Shi Peide, Zheng Zhongguo. Rates of Convergence of M-estimators for Partly Linear Models Involving Time Series[J]. *Science in China, Ser. A*, 1995, 38(05):533-541.
- [46] 石坚, 郑忠国. 对称随机加权法[J]. *科学通报*, 1995, 40(07):582-585.
- [47] Zheng Zhongguo, Dai Ming, Shi Jian. Approximation Bayes Method in System Tree[J]. *Journal of Mathematical Research & Exposition*, 1996, 16(01):1-12.
- [48] 薛留根, 郑忠国. 平稳序列回归函数之递归改良核估计的强相合性[J]. *河南城建高专学报*, 1996, 5(02):26-32.
- [49] Shi Jian, Zheng Zhongguo. Choice of Optimal Trimming Proportion by the Random Weighting Method[J]. *Acta Mathematica Sinica (New Series)*, 1996, 12(03):326-336.
- [50] Shi Peide, Zheng Zhongguo. Robust Estimates in Multivariate Nonparametric Regression via Least Absolute Deviations[J]. *Acta Mathematica Scientia*, 1996, 16(S1):57-69.
- [51] 石坚, 郑忠国. 基于随机加权法的最优截断比例的选择[J]. *科学通报*, 1996(07):671-672.
- [52] 王启华, 郑忠国. 学生化 Kaplan—Meier 估计的正态逼近速度[J]. *应用数学学报*, 1996, 19(04):597-608.
- [53] Shi Peide, Zheng Zhongguo. Multivariate Resistant Regression Splines for Estimating Multivariate Functions from Noisy Data[J]. *Systems Science and Mathematical Sciences*, 1997, 10(02):217-224.
- [54] Yang Ying, Zheng Zhongguo. Asymptotic Properties for Median Cross-validated Nearest Neighbor Median Estimate in Nonparametric Regression[J]. *Science in China, Ser. A*, 1997, 40(06):585-597.
- [55] Wang Qihua, Zheng Zhongguo. Asymptotic Properties for the Semiparametric Regression Model with Randomly Censored Data[J]. *Science in China, Ser. A*, 1997, 40(09):945-957.

- [56] 杨琰, 郑忠国. 非参数回归中位数交叉核实中位数估计的渐近性质[J]. 中国科学 (A 辑 数学 物理学 天文学 技术科学), 1997, 27(03):219-230.
- [57] 郑忠国, 徐方伟. 聚合物相对分子质量分布的四阶矩拟合[J]. 北京化工大学学报 (自然科学版), 1997, 24(03):50-54+59.
- [58] 薛留根, 郑忠国. 随机加权法在密度估计中的应用[J]. 应用数学学报, 1997, 20(04):600-608.
- [59] 王启华, 郑忠国. 随机删失半参数回归模型中估计的渐近性质[J]. 中国科学 (A 辑 数学 物理学 天文学 技术科学), 1997, 27(07):583-594.
- [60] Wang Qihua, Zheng Zhongguo. The Edgeworth Expansions and Smoothed Bootstrap Approximation for the Studentized Kaplan-Meier Estimator[J]. Statistica Sinica, 1998, 8:571-587.
- [61] Zheng Zhongguo, Yang Ying. Cross-validation and Median Criterion[J]. Statistica Sinica, 1998, 8:907-921.
- [62] Sun Liuquan, Zheng Zhongguo. A bound on L_1 Distances of Kernel Density Estimators for Truncated and Censored Data[J]. Chinese Journal of Applied Probability and Statistics, 1998, 14(03):266-271.
- [63] 蒋建成, 许溢宏, 郑忠国. 基于 L_1 -范数拟合的 $AR(p)$ 模型的稳健的拟合优度检验[J]. 中国科学 (A 辑), 1998, 28(11):972-980.
- [64] 孙六全, 郑忠国. 左截断右删失下一类泛函估计的渐近性质[J]. 系统科学与数学, 1999, 19(01):95-105.
- [65] Zhang Shuanglin, Zheng Zhongguo. On the Asymptotic Normality for L_2 -Error of Wavelet Density Estimator with Application[J]. Communications in Statistics-Theory and Methods, 1999, 28(05):1093-1104.
- [66] Zhang Shuanglin, Zheng Zhongguo. Nonlinear Wavelet Estimation of Regression Function with Random Design[J]. Science in China, Ser. A, 1999, 42(08):825-833.
- [67] 张双林, 郑忠国. 两密度函数线性小波估计平方差的渐进分布及其应用[J]. 数学年刊 A 辑 (中文版), 1999, 20A(02):151-162.
- [68] Sun Liuquan, Zheng Zhongguo. Bahadur Representation of the Kernel Quantile Estimator Under Truncated and Censored Data[J]. Acta Mathematicae Applicatae Sinica (English Series), 1999, 15(03):257-268.
- [69] Sun Liuquan, Zheng Zhongguo. Strong Representations of the Survival Function Estimator on Increasing Sets for Truncated and Censored Data[J]. Acta Mathematica Scientia, 1999, 19(03):251-260.
- [70] Sun Liuquan, Zheng Zhongguo. The Asymptotics of the Integrated Square Error for the Kernel Hazard Rate Estimators with Left Truncated and Right Censored Data[J]. Systems Science and Mathematical Sciences, 1999, 12(03):251-262.
- [71] 陈应保, 郑忠国. 可靠性增长试验中一种新的参数估计法[J]. 应用概率统计, 1999, 15(03):245-256.

- [72] Zhang Shuanglin, Zheng Zhongguo. Convergence Rate of Cross-validation in Nonlinear Wavelet Regression Estimation[J]. Chinese Science Bulletin, 1999, 44(10):898-901.
- [73] Jiang Jiancheng, Yer van Hui, Zheng Zhongguo. Robust Goodness-of-fit Tests for AR (p) Models Based on L_1 -norm Fitting[J]. Science in China Series A: Mathematics, 1999, 42(04):337-346.
- [74] 金华, 郑忠国. 删失数据情形置信下限的模型选择方法[J]. 华南师范大学学报 (自然科学版), 1999(04):10-12.
- [75] 张双林, 郑忠国. 随机设计变量情形回归函数的非线性小波估计[J]. 中国科学 (A 辑), 1999, 29(04):311-319.
- [76] Zhang Shuanglin, Zheng Zhongguo. On the Consistency of Cross-validation in Nonlinear Wavelet Regression Estimation[J]. Acta Mathematica Scientia, 2000, 20(01):1-11.
- [77] 郑忠国, 曹大创, 周正伐. 对指数分布定总时有替换可增长型数据的 Natural 字典排序法的改进[J]. 北京大学学报 (自然科学版), 2000, 36(01):53-63. DOI:10. 13209/j. 0479-8023. 2000. 007.
- [78] 郑忠国, 卜红军, 白林生, 王奎. 结构可靠性的精确置信下限[J]. 应用概率统计, 2000, 16(01):89-97.
- [79] 薛留根, 谷震离, 郑忠国. 密度核估计的随机加权法[J]. 系统科学与数学, 2000, 20(01):87-96.
- [80] 郑忠国, 孙丽丽. 带有反馈的因果模型中的独立性识别[J]. 应用数学学报, 2000, 23(02):299-310.
- [81] Tong Xingwei, Zheng Zhongguo. Bayesian Estimation of A Circle[J]. 北京大学学报 (自然科学版), 2001, 37(05):643-647. DOI:10. 13209/j. 0479-8023. 2001. 113.
- [82] 郑忠国, 张艳艳, 童行伟. 因果模型中因果效应的可识别性研究[J]. 中国科学(A 辑), 2001, 31(12):1080-1086.
- [83] Zhang Yingshan, Duan Lian, Lu Yiqiang, Zheng Zhongguo. Construction of Generalized Hadamard Matrices $D(r^m(r+1), r^m(r+1); p)$ [J]. Journal of Statistical Planning and Inference, 2002, 104(2):239-258.
- [84] Zhang Shuanglin, Wong Man-Yu, Zheng Zhongguo. Wavelet Threshold Estimation of a Regression Function with Random Design[J]. Journal of Multivariate Analysis, 2002, 80(2):256-284.
- [85] Tong Xingwei, Zheng Zhongguo, Zhang Yanyan, Cui Xianwei. Sufficiency and Necessity for the Identifiability of an Important Type of Ancillary Information in a Causal Model[J]. 北京大学学报 (自然科学版), 2002, 38(05):591-598. DOI:10. 13209/j. 0479-8023. 2002. 106.
- [86] 阿布杜, 郑忠国, 李洪敏. 医学实验数据的质量控制问题[J]. 数理统计与管理, 2002, 21(05):42-46. DOI:10. 13860/j. cnki. sltj. 2002. 05. 010.
- [87] Zheng Zhongguo, Zhang Yanyan, Tong Xingwei. Identifiability of Causal Effect for a Simple Causal Model[J]. Science in China, Ser. A, 2002, 45(03):335-341.

- [88] 张双林, 郑忠国. 相关数据密度函数的非线性小波估计[J]. 系统科学与数学, 2002, 22(04):497-506.
- [89] Liu Jingwei, Cheng Qiansheng, Zheng Zhongguo, Qian Minping. A DTW-based Probability Model for Speaker Feature Analysis and Data Mining[J]. Pattern Recognition Letters, 2002, 23(11):1271-1276.
- [90] 许静, 郑忠国. 有向非循环图的可反向边集合的结构与判定[J]. 北京大学学报 (自然科学版), 2003, 39(01):6-13. DOI:10. 13209/j. 0479-8023. 2003. 002.
- [91] 李万里, 童行伟, 郑忠国. 部分非循环有向图分析老年人膳食营养素对 BMD 影响[J]. 中国卫生统计, 2003, 20(02):69-71.
- [92] 梁宇, 郑忠国. 一类因果模型的可识别性条件[J]. 数学物理学报, 2003, 23A(04):456-463.
- [93] Xu Jing, Zheng Zhongguo. Bayes Estimation of Causal Effect for a Counterfactual Model[J]. Journal of Mathematical Research & Exposition, 2004, 24(03):381-387.
- [94] 刘敬伟, 徐美芝, 郑忠国, 程乾生. 基于 DTW 的语音识别和说话人识别的特征选择[J]. 模式识别与人工智能, 2005, 18(01):50-54.
- [95] 赵慧, 郑忠国, 刘佰军. 最大祖先图的 Markov 等价性[J]. 中国科学 (A 辑:数学), 2005, 35(02):134-146.
- [96] 刘佰军, 郑忠国, 赵慧. 根据已知链图找出最大链图的有效算法[J]. 中国科学 (A 辑:数学), 2005, 35(10):1188-1200.
- [97] Liu Baijun, Zheng Zhongguo, Zhao Hui. An Efficient Algorithm for Finding the Largest Chain Graph According to a Given Chain Graph[J]. Science in China Series A: Mathematics, 2005, 48(11):1517-1530.
- [98] Tong Xingwei, Zheng Zhongguo, Geng Zhi. Identifiability, Stratification and Minimum Variance Estimation of Causal Effects[J]. Statistics in Medicine, 2005, 24(19):2937-2952.
- [99] Zhao Hui, Zheng Zhongguo, Liu Baijun. On the Markov Equivalence of Maximal Ancestral Graphs[J]. Science in China Series A: Mathematics, 2005, 48(04):548-562.
- [100] 张应山, 茆诗松, 詹从赞, 郑忠国. 具有两种因果关系逻辑分析模型的稳定性结构[J]. 应用概率统计, 2005, 21(04):366-374.
- [101] Zhang Yingshan, Li Weiguo, Mao Shisong, Zheng Zhongguo. A Simple Method for Constructing Orthogonal Arrays by the Kronecker Sum[J]. Journal of Systems Science and Complexity, 2006, 19(2):266-273.
- [102] 赵慧, 郑忠国, 许静. 含隐变量和选择偏差的图模型中的因果推断[J]. 北京大学学报 (自然科学版), 2006, 42(05):584-589. DOI:10. 13209/j. 0479-8023. 2006. 105.
- [103] 冯乃勤, 邱玉辉, 张应山, 詹从赞, 郑忠国. 基于生态学的复杂系统稳定性逻辑分析模型[J]. 计算机科学, 2006, 33(07):213-216.
- [104] Zheng Zhongguo, Xu Jing, Tong Xingwei. A Scoring Criterion for Learning Chain Graphs[J]. Acta Mathematica Sinica, 2006, 22(04):1063-1068.

- [105] Zhao Hui, Zheng Zhongguo. Using Chain Graphical Model to Analyze the Efficacy of a Chinese Medicine[C]//2007 International Conference on Computational Intelligence and Security (CIS 2007). IEEE, 2007:954-958.
- [106] 赵慧, 郑忠国. 图模型及其在统计建模中的应用[J]. 数理统计与管理, 2007, 26(03):427-431. DOI:10. 13860/j. cnki. sltj. 2007. 03. 008.
- [107] 赵慧, 郑忠国, 王伟, 李晋生. 中药降脂灵片药效的因果分析[J]. 数理统计与管理, 2007, 26(04):741-746. DOI:10. 13860/j. cnki. sltj. 2007. 04. 005.
- [108] 李东风, 郑忠国. 最优线性回归的计算方法[J]. 数理统计与管理, 2008, 27(01):87-95. DOI:10. 13860/j. cnki. sltj. 2008. 01. 006.
- [109] 赵慧, 郑忠国. Gauss 因果模型中因果效应识别方法的比较[J]. 数学物理学报, 2008, 28A(05):808-817.
- [110] 华蕾, 杨妍妍, 金蕾, 李东风, 郑忠国. 利用综合指标和一元分布拟合筛选重点污染源[J]. 中国环境监测, 2008, 24(06):61-67. DOI:10. 19316/j. issn. 1002-6002. 2008. 06. 015.
- [111] 陈家鼎, 郑忠国. 许宝騄先生的学术成就——谨以此文纪念许宝騄先生诞辰 100 周年[J]. 数学进展, 2010, 39(06):641-650.
- [112] Zhang Yingshan, Li Weiguo, Mao Shisong, Zheng Zhongguo. Orthogonal Arrays Obtained by Generalized Difference Matrices with G Levels[J]. Science China Mathematics, 2011, 54(01):133-143.