

温州大学数学与信息科学学院
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徐安察

教育背景

- 2006年9月 - 2011年7月 **博士**, 华东师范大学金融与统计学院, 概率论与数理统计方向.
- 2002年9月 - 2006年7月 **学士**, 华中师范大学数学与统计学院, 数学与应用数学专业.

经历

学术经历

- 2013年12月 - 现在 **副教授, 硕士生导师**, 温州大学数学与信息科学学院.
- 2011年7月 - 2013年11月 **讲师**, 温州大学数学与信息科学学院.

交流访问

- 2017年10月 - 2018年4月 **Research Fellow**, 新加坡国立大学.
- 2014年6月 **访问学者**, 台湾中央大学、台湾清华大学.
- 2010年9月 - 2011年3月 **访问学者**, 美国密苏里大学哥伦比亚分校.

教学经历

- 2011年9月 - 现在 **温州大学数学与信息科学学院**.
讲授课程:

- 现代统计分析方法
- 贝叶斯统计
- 可靠性统计
- 时间序列分析
- 现代统计基础
- 多元统计分析

研究兴趣

- 1 竞争风险模型
- 2 贝叶斯统计
- 3 统计计算
- 4 退化数据分析

荣誉和奖励

- 1 华东师范大学优秀博士培养基金 (2010)
- 2 华东师范大学优秀博士学位论文 (2011)
- 3 2011 International workshop on objective Bayesian methodology, Best Poster Award
- 4 温州大学第四届“学生科技创新优秀指导教师” (2014)
- 5 温州大学第四届“我心目中的好导师” (2015)
- 6 温州大学新湖青年学者 (2017)
- 7 浙江省中青年学科带头人 (2017)

主持和参与项目

教学项目

2014.5–2015.4 **传染病数据的统计建模方法**, 温州大学实验室开发项目.

主持

2013.5–2014.4 **R 语言及其在数学建模中的应用**, 温州大学实验室开发项目.

主持

学术项目

2013.1–2015.12 **加速寿命试验中小样本最优设计方法**, 国家自然科学基金 (青年项目), (11201345), 22 万.

主持

2015.1–2017.12 **带屏蔽数据系统可靠性的贝叶斯评估**, 浙江省自然科学基金 (面上项目), (LY15G010006), 6 万.

主持

- 2015.9–2016.9 **可修屏蔽系统可靠性的贝叶斯评估方法**, 中国博士后科学基金面上项目, (2015M572598), 5 万.
主持
- 2015.9–2016.9 **屏蔽数据系统可靠性评估的贝叶斯方法**, 陕西省博士后科学基金一等资助, 4 万.
主持
- 2017.1–2020.12 **竞争失效模型中若干关键问题的研究**, 国家自然科学基金（面上项目）, 直接经费 48 万.
主持

论文与著作

学术论文

- [1] Ancha Xu and Yincai Tang, Bayesian analysis of pareto reliability with dependent masked data, **IEEE Transactions on Reliability**, Vol. 58(4), pp.583-588, 2009. doi:10.1109/TR.2009.2026811
- [2] Ancha Xu and Yincai Tang, Reference Analysis for Birnbaum-Saunders Distribution, **Computational Statistics and Data Analysis**, Vol.54(1), pp.185-192, 2010. doi:10.1016/j.csda.2009.08.004
- [3] Ancha Xu and Yincai Tang, EM algorithm for degradation data analysis, **Journal of East China Normal University (Natural Science)**, 5, pp.38-48, 2010.
- [4] Ancha Xu and Yincai Tang, Nonparametric Bayesian analysis of competing risks problem with masked data, **Communications in Statistics – Theory and Methods**, Vol.40(13), pp.2326-2336, 2011. doi:10.1080/03610921003786830
- [5] Ancha Xu and Yincai Tang, Bayesian analysis of Birnbaum-Saunders distribution with partial information, **Computational Statistics and Data Analysis**, Vol.55(7), pp.2324-2333, 2011. doi:10.1016/j.csda.2011.01.021
- [6] Ancha Xu and Yincai Tang, Objective Bayesian Analysis of Accelerated Competing Failure Models under Type-I Censoring. **Computational Statistics and Data Analysis**, Vol.55(10), pp.2830-2839, 2011. doi:10.1016/j.csda.2011.04.009
- [7] Ancha Xu and Yincai Tang, Statistical Analysis of Competing Failure Modes in Accelerated Life Testing Based on Assumed Copulas, **Chinese Journal of Applied Probability and Statistics**, Vol.28(1), pp.51-62, 2012.
- [8] Jiayu Fu, Ancha Xu and Yincai Tang, Objective Bayesian Analysis of Pareto Distribution under Progressive Type-II Censoring, **Statistics and Probability Letters**, Vol.82(10), pp.1829-1836, 2012. doi:10.1016/j.spl.2012.06.007
- [9] Ancha Xu and Yincai Tang, Objective Bayesian Analysis for Linear Degradation Models, **Communications in Statistics – Theory and Methods**, Vol.41(21), pp.4034-4046, 2012. doi:10.1080/03610926.2012.705942

- [10] [Ancha Xu](#) and Yincai Tang, An Overview on Statistical Analysis for Masked System Lifetime Data, **Chinese Journal of Applied Probability and Statistics**, Vol.28(4), pp.380-388, 2012.
- [11] Qiang Guang, Yincai Tang and [Ancha Xu](#), Objective Bayesian Analysis For Bivariate Marshall-Olkin Exponential Distribution, **Computational Statistics and Data Analysis**, Vol.64(7), pp.299-313, 2013. doi:10.1080/03610926.2012.705942
- [12] [Ancha Xu](#) and Yincai Tang, Posterior Propriety in Nonparametric Mixed Effects Model, **Applied Mathematics—A Journal of Chinese Universities**, Series B, Vol.28(3), pp.369-378, 2013. doi:10.1007/s11766-013-2844-0
- [13] Liyan Wang, Huilin Huang, [Ancha Xu](#) and Weiming Wang, Stochastic Extinction in an SIRS Epidemic Model Incorporating Media Coverage, **Abstract and Applied Analysis**, Vol. 2013, Article ID 891765, 8 pages. <http://dx.doi.org/10.1155/2013/891765>
- [14] Jie Li, Yanjun Fu, [Ancha Xu](#), Zumu Zhou and Weiming Wang, A Spatial-Temporal ARMA Model of the Incidence of Hand, Foot, and Mouth Disease in Wenzhou, China, **Abstract and Applied Analysis**, Vol. 2014, Article ID 238724, 9 pages. <http://dx.doi.org/10.1155/2014/238724>
- [15] [Ancha Xu](#), Yincai Tang and Qiang Guan, Bayesian Analysis of Masked Data in Step-stress Accelerated Life Testing, **Communications in Statistics - Simulation and Computation**, Vol. 43(8), pp.2016-2030, 2014. doi:10.1080/03610918.2013.848894
- [16] Qiang Guan, Yincai Tang, Jiayu Fu and [Ancha Xu](#), Optimal Multiple Constant-stress Accelerated Life Tests For Generalized Exponential Distribution, **Communications in Statistics - Simulation and Computation**, Vol. 43(8), pp.1852-1865, 2014. doi:10.1080/03610918.2013.810257
- [17] [Ancha Xu](#), Sanjib Basu and Yincai Tang, A full Bayesian approach for masked data in step-stress accelerated life testing, **IEEE Transactions on Reliability**, Vol. 63(3), pp.798-806, 2014. doi:10.1109/TR.2014.2315940
- [18] [Ancha Xu](#), Yincai Tang and Dongchu Sun, Objective Bayesian analysis for masked data under symmetric assumption, **Statistics and Its Interface**, Vol. 8(2), pp.227-237, 2015. doi:10.4310/SII.2015.v8.n2.a10
- [19] [Ancha Xu](#) and Yincai Tang, Reference optimality criterion for planning accelerated life testing, **Journal of Statistical Planning and Inference**, Vol. 167, pp.14-26, 2015. doi:10.1016/j.jspi.2015.06.002
- [20] 李亚兰, [徐安察](#), Pareto 分布下屏蔽数据的贝叶斯分析及其应用, **应用概率统计**, Vol. 31(3), pp.267-276, 2015. doi:10.1016/j.jspi.2015.06.002
- [21] [Ancha Xu](#), Jayu Fu, Yincai Tang and Qiang Guan, Bayesian analysis for constant-stress accelerated life test under noninformative priors, **Applied Mathematical Modeling**, Vol. 39(20), pp.6183-6195, 2015. doi:10.1016/j.apm.2015.01.066
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- [23] [Ancha Xu](#), Yincai Tang, Qiang Guan and Xinze Lian, Planning simple step-stress accelerated life tests using reference optimality criterion, **Proceedings of the**

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doi:10.1177/1748006X15580469
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- [26] Hui Zhang and [Ancha Xu](#), Bayesian analysis of the Marshall-Olkin bivariate Weibull distribution, **应用概率统计.** Vol. 32(4), pp. 419-432, 2016. doi:10.3969/j.issn.1001-4268.2016.04.008
- [27] Piao Chen, [Ancha Xu](#) and Zhisheng Ye, Generalized fiducial inference for accelerated life tests with Weibull distribution and progressively type-II censoring, **IEEE Transactions on Reliability.** Vol. 65(4), pp.1737-1744, 2016. doi:10.1109/TR.2016.2604298
- [28] Yincai Tang, Jiayu Fu, Wenchen Liu and [Ancha Xu](#), Bayesian analysis of repairable systems with modulated power law process, **Applied Mathematical Modeling.** Vol. 44, pp.357-373, 2017. doi:10.1016/j.apm.2017.01.067
- [29] [Ancha Xu](#) and Shirong Zhou, Bayesian analysis of series system with dependent causes of failure, **Statistical Theory and Related Fields.** Vol. 1(1), pp.128-140, 2017. (创刊号) doi:10.1080/24754269.2017.1348708
- [30] Wenchen Liu, Yincai Tang and [Ancha Xu](#), A zero-and-one-inflated Poisson model and its application, **Statistics and Its Interface.** In press.
- [31] Yan Shen and [Ancha Xu](#), On the dependent competing risks using Marshall-Olkin bivariate Weibull model: parameter estimation with different methods, **Communications in Statistics – Theory and Methods.** In press.
- [32] Pingping Wang, Yincai Tang and [Ancha Xu](#), Bayesian analysis of compound Poisson process with change-points, **Quality Technology and Quantitative Management.** In press.
- [33] Yincai Tang, Wenchen Liu and [Ancha Xu](#), Statistical inference for zero-and-one-inflated Poisson models, **Statistical Theory and Related Fields.** Vol. 1(2), pp.216-226, 2017.
- [34] Pingping Wang, Yincai Tang, Suk Joo Bae and [Ancha Xu](#), Bayesian Approach for Two-Phase Degradation Data Based on Change-Point Wiener Process with Measurement Errors, **IEEE Transactions on Reliability.** In press.
- [35] [Ancha Xu](#), Lijuan Shen, Bingxing Wang, and Yincai Tang, On modeling bivariate Wiener degradation process, **IEEE Transactions on Reliability.** In press.

会议论文

- [1] Tang Yincai and [Xu Ancha](#), Bayesian analysis of Masked System Lifetime Data, **The 8th International Conference on Reliability, Maintainability and Safety,** 2009.7.20-24, pp399-402. Chengdu(IEEE). doi:10.1109/ICRMS.2009.5270162

- [2] Tang Yincai, [Ancha Xu](#) and Jiayu Fu, Objective Bayesian Analysis for Constant-stress Accelerated Life Testing, **APARM2012**, Nanjing.

其他学术活动

评审

- IIE Transactions, IEEE Transactions on Reliability, Applied Soft Computing, Applied Mathematical Modeling, Reliability Engineering & System Safety, Computational Statistics & Data Analysis, Journal of Statistical Computation and Simulation
- Statistics and Probability Letters
- Quality Technology and Quantitative Management
- Communications in Statistics - Theory and Methods
- Communications in Statistics - Simulation and Computation
- Hacettepe Journal of Mathematics and Statistics
- Journal of Systems Science and Complexity
- 高校应用数学学报
- 应用概率统计
- MMR2011
- APARM2012

社会兼职

- 中国现场统计研究会可靠性工程分会理事
- 第九、十届中国运筹学会可靠性分会理事

指导硕士生

- 2013 级 李亚兰, 张慧
- 2014 级 李晓晓, 刘小宁
- 2015 级 周世荣
- 2016 级 王秀, 杨超

指导本科生竞赛

- 2015 年 浙江省第十四届“挑战杯”大学生课外学术科技作品竞赛一等奖 (2/3, 作品最终获全国二等奖)

2012,2014-2016
年 美国大学生数学建模竞赛二等奖

2012 年 全国大学生数学建模竞赛浙江省一等奖

2011,2014 年 全国研究生数学建模竞赛三等奖