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个人简历

李智明，1977年6月生，女，汉族，河南虞城人，中共党员，教授，博士生导师。2000年7月本科毕业于新疆大学，2003年7月新疆大学硕士毕业留校任教，2007年9月至2008年7月在北京大学进修，2012年12月博士毕业于南开大学，2015年5月进入新疆大学数学与系统科学学院博士后流动站学习，2017年9月进入新疆大学数学物理研究所学习，2019年9月至2020年9月在美国纽约州立大学布法罗分校作访问学者。目前担任数学与系统科学学院统计系主任。

近年来主要从事试验设计、统计推断、传染病模型等研究。现主持国家自然科学基金地区基金2项，自治区自然科学基金项目3项。已完成国家自然科学基金地区基金1项，自治区自然科学基金2项、新疆大学博士毕业生科研启动基金1项。发表论文40余篇，SCI收录30余篇。

科研项目

- 1、国家自然科学基金项目地区科学基金项目，S水平正规及非正规设计的一般最小低阶混杂理论（12061070），2021.1-2024.12, 33万，主持人
- 2、国家自然科学基金项目地区科学基金项目，因析设计的一般最小低阶混杂构造理论及应用（11661076），2017.1-2020.12, 39万元，主持人（完成）
- 3、自治区自然科学杰出青年科学基金项目，因析设计的一般最小低阶混杂准则及性质(2021D01E13), 2022.1-2024.12, 47万，主持人

- 4、自治区科技厅天山青年计划项目，多水平一般最小混杂设计的研究及应用(2018Q011)，2019. 8-2021. 8, 10 万，主持人（完成）
- 5、自治区自然科学基金面上项目，一般最小低阶混杂的试验设计理论及应用(2016D01C043) 2017. 1-2020. 12, 7 万，主持人（完成）
- 6、自治区高校青年教师科研培育基金，一般最小低阶混杂理论(XJEDU2012S01)，2013. 1-2014. 12, 3. 0 万元，主持人（完成）
- 7、新疆大学博士启动基金，BS130106，多水平试验设计的低阶混杂理论及应用，2014. 7-2016. 7, 3. 0 万元，主持人（完成）
- 8、自治区教育厅项目，跨学科、跨专业研究生培养模式的探索与研究，2020-2021, 1. 5 万，主持人

获得奖励

- 1、自治区优秀党员，2021
- 2、第十一届全国大学生市场调查与分析大赛研究生组总决赛优秀指导教师，2021
- 3、宝钢优秀教师奖，2017
- 4、全国大学生数学建模竞赛优秀指导教师，2017
- 5、新疆大学第一届具有新疆特色“四好老师”荣誉称号，2016
- 6、新疆大学 2014-2015 年度“优秀女教职工”，2016
- 7、新疆大学光华教育奖学金，2016
- 8、新疆大学 2016 届本科毕业论文优秀指导教师，2016
- 9、全国大学生数学建模竞赛新疆赛区优秀指导教师，2013, 2014, 2016
- 10、新疆大学第一届自然科学一等奖，2016
- 11、自治区教学成果二等奖，2015
- 12、第二届全国高校微课教学比赛新疆赛区二等奖，2015
- 13、新疆大学青年教师教学优秀奖，2015
- 14、新疆大学教学竞赛三等奖，2015
- 15、新疆大学多媒体课件竞赛一等奖，2014
- 16、新疆大学高等教育教学成果奖一等奖，2014
- 17、第十四届全国多媒体课件大赛高教理科组三等奖，2014
- 18、北京大学进修教师、访问学者奖励工程创新成果奖，2007
- 19、新疆大学课堂教学竞赛特等奖，2004
- 20、第八届全国多媒体教育软件大奖赛高等教育和职业教育多媒体课件优秀奖，2004

科研成果（论文、专著等）

Shuman Sun, **Zhiming Li**(通讯), Xijian Hu, Ruifang Huang. Spatiotemporal characters and influence factors of hand, foot and mouth epidemic in Xinjiang, China. PLOS ONE, 2021, 16(8): e0254223.

Yafei Chen, **Zhiming Li**(通讯), Changxing Ma. Further study on testing the equality of response rates under Dallal's model. Statistics and Its Interface, 2021, 15(2022), 115-126.

Keyi Mou, **Zhiming Li**(通讯). Homogeneity test of many-to-one risk differences binary data under optimal algorithms. Complexity, 2021, 1-29.

Zhiming Li, Mingyao Ai, Shunman Sun Parameter estimation in uncertain differential equations with exponential solutions. Journal of Intelligent & Fuzzy Systems, 2020, 39, 3795-3804.

Zhiming Li, Zhidong Teng, Changxing Ma. 2019-nCoV transmission in Hubei province, China: stochastic and deterministic analyses. Complexity, 2020,1-12.

Zhiming Li, Qingxun Kong, Mingyao Ai. Construction of some s-level regular designs with general minimum lower-order confounding. Statistics and Probability Letters, 2020, 167,108897.

Zhiming Li, Mingming Li, Shengli Zhao. Lower-order confounding information of ininverse Yates-order two-level designs. Communications in Statistics-Theory and Methods, 2020, 49, 924-941.

Zhiming Li, Changxing Ma, Mingyao Ai. Statistical tests under Dallal's model: Asymptotic and exact methods, Plos One, 2020, 15(11), e0242722.

Shuman Sun, **Zhiming Li**, Huiguo Zhang, Haijun Jiang and Xijiang Hu. Analysis of HIV/AIDS epidemic and Socioeconomic factors in Sub-Saharan Africa, Entropy, 2020, 22,1230

Yanfei Wang, **Zhiming Li**, Runchu Zhang. Three-level blocked regular designs with general minimum lower order confounding. Communications in Statistics-Theory and Methods, 2020, 49(10), 2498-2513.

Junhong Du, **Zhiming Li**, Lijun Wu. Optimal stop-loss reinsurance under the VaR and CTE risk measures: variable transformation method. Computational Economics, 2019, 53, 1133-1151.

Junna Hu, Zhidong Teng, **Zhiming Li**, Buyu Wen. The threshold dynamics in a stochastic SIS epidemic model with vaccination and nonlinear incidence under regime switching. *Physica A*, 2019, 529, 121555.

Zhiming Li. Parameter estimation of simple uncertain differential equations. *Journal of Intelligent & Fuzzy Systems*, 2019, 37, 5363-5372.

Zhiming Li, Zhidong Teng. Analysis of uncertain SIS epidemic model with nonlinear incidence and demography. *Fuzzy Optimizaiton and Decision Making*, 2019, 18, 475-491.

杜军红, **李智明**, 吴黎军. 王氏保费准则下隐含再保险公司违约风险的最优再保险设计. *应用概率统计*, 2019, 35, 73-85.

Jun Fang, **Zhiming Li**(通讯), Fan Yang and Mengyuan Zhou. Solution and a-path of uncertain SIS epidemic model with standard incidence and demography. *Journal of Intelligent & Fuzzy Systems*, 2018, 35, 927-935.

Junnan Hu, **Zhiming Li**, Ting Zeng, Zhidong Teng. A note on the stationary distribution of stochastic SIS epidemic model with vaccination under regime switching, *Filomat*, 2018, 32, 4773-4785.

Zhiming Li, Zhidong Teng, Dujun Hong, Xiaoping Shi. Comparison of three SIS epidemic models: deterministic, stochastic and uncertain. *Journal of Intelligent & Fuzzy Systems*, 2018, 35, 5785-5796.

Chen Zhou, **Zhiming Li**(通讯). Analytic solutions of two types of nonlinear uncertain differential equations. *Journal of Intelligent & Fuzzy Systems*, 2018, 35, 2413-2420.

Tianfang Zhang, Junyu Jiang, **Zhiming Li**(通讯). Some families of asymmetric nested orthogonal arrays and asymmetric sliced orthogonal arrays. *Statistics and Probability Letters*, 2018, 141, 109-113.

Zhiming Li, Zhidong Teng, Lijun Wu, Runchu Zhang. Construction of some 3^{n-m} regular designs with general minimum lower order confounding, *Journal of Statistical Theory and Practice*, 2018, 12, 336-355.

Ting Zeng, Zhidong Teng, **Zhiming Li**, Junna Hu. Stability in the mean of a stochastic three species food chain model with general levy jumps, *Chaos, Solitons and Fractals*, 2018, 106, 258-265.

Zhiming Li, Yuhong Sheng, Zhidong Teng, Hui Miao. An uncertain differential equation for SIS epidemic model, *Journal of Intelligent & Fuzzy Systems*, 2017, 33, 2317-2327.

Zhiming Li, Zhidong Teng, Hui Miao. Modeling and Control for HIV/AIDS Transmission in China Based on Data from 2004 to 2016, *Computational and*

Mathematical Methods in Medicine, 2017, 1-13.

Tianfang Zhang, **Zhiming Li**(通讯), Jianfeng Yang, Runchu Zhang. Construction of some mixed two- and four-level regular designs with GMC criterion, Communications in Statistics - Theory and Methods, 2017, 46, 8497-8509.

Zhang Tianfang, Yang Jianfeng, **Li Zhiming**, Zhang Runchu. Construction of regular $2^n 4^l$ design with general minimum lower-order confounding, Communications in Statistics-Theory and Methods, 2017, 6, 2724-2735.

Ge Qing, **Zhiming Li**(通讯), Zhidong Teng. Probability analysis of a stochastic SIS epidemic model, Stochastic and Dynamics, 2017, 17, 1-18.

龚道远, **李智明**(通讯), 张宇翔, 郑涛. SWEIA 艾滋病毒传染模型及应用, 数学实践与认识, 2017, 47, 170-179.

Zhiming Li, Zhidong Teng, Tianfang Zhang, Runchu Zhang. Analysis on s^{n-m} designs with general minimum lower-order confounding, ASTA-Advances in Statistical Analysis, 2016, 2, 207-222.

Hui Miao, Zhidong Teng, **Zhiming Li**. Global stability of delayed viral infection models with nonlinear antibody and CTL immune responses and general incidence rate, Computational and Mathematical Methods in Medicine, 2016, 1-21.

Lei Wang, Zhidong Teng, Tingting Tang, **Zhiming Li**. Threshold dynamics in stochastic SIRS epidemic models with nonlinear incidence and vaccination, Computational and Mathematical Methods in Medicine, 2017, 1-21.

He Ting, **Li Zhiming**, Wu Lijun. The absolute ruin risk model with constant interest investment and linear threshold dividend strategy, 新疆大学学报(自然科学版), 2016, 2, 127-133.

Zhiming Li, Shengli Zhao, Runchu Zhang. On general minimum lower order confounding criterion for s -level regular designs, Statistics & Probability Letters, 2015, 99(1), 202-209.

Zhiming Li, Runchu Zhang. Results for two-level designs with general minimum lower-order confounding, The Scientific World Journal, 2015, 1-9.

Tingting Tang, Zhidong Teng, **Zhiming Li**. Threshold behavior in a class of stochastic SIRS epidemic models with nonlinear incidence, Stochastic Analysis and Applications, 2015, 33(6), 994-1010.

Zhiming Li, Zhidong Teng, Xiaomei Feng, Yingke Li, Huiguo Zhang. Dynamical analysis of an SEIT epidemic model with application to Ebola virus transmission in Guinea, Computational and Mathematical Methods in Medicine, 2015, 1-11.

李智明. 指派问题匈牙利解法的注记, 新疆大学学报(自然科学版), 2015, 32(3), 286-288.

陈思禄, 延伟, 李智明(通讯). 一类上取正函数的极小值问题, 数学的实践与认识, 2015, 45(20), 299-304.

Zhiming Li, Tianfang Zhang, Runchu Zhang. Three-level regular designs with general minimum lower-order confounding, Canadian Journal of Statistics, 2013, 41(1), 192-210.

培养研究生

2019级应用统计专业硕士毕业去向:

牟珂漪(新疆大学, 博士); 陈亚飞(河北唐山市路北区统计局); 崔远航(国家移民管理局出入境管理信息技术研究所); 陈赞(深圳市中国建设银行); 韩琦(北京久其软件股份有限公司)