

王熙達 (博士, 教授, 系主任)

加拿大, 曼尼托巴大学 (建于 1877 年)

统计学系 (1937 年精算系, 1948 年统计和精算系, 1967 年统计系, 加拿大最早的统计系)

教育背景

1995.5	统计学博士	加拿大, 萨斯卡彻温大学数学与统计系
1989.5	数学硕士	加拿大, 萨斯卡彻温大学数学与统计系
1984.6	数学学士	中国, 湖北, 华中师范大学数学系

工作经历

2008.3 至今	教授	加拿大, 曼尼托巴大学统计学系
2005.7 至今	终身教授	加拿大, 曼尼托巴大学统计学系
2002.1 – 2008.3	副教授	加拿大, 曼尼托巴大学统计学系
2000.7 – 2001.12	助理教授	加拿大, 曼尼托巴大学统计学系
1998.5 – 2000.7	生物统计学助理教授	加拿大, 纽芬兰纪念大学医学院
1998.9 – 2000.7	顾问	加拿大, 纽芬兰癌症治疗与研究所
1995.9 – 1998.4	讲师	加拿大, 阿尔贝塔大学数学科学系
1984.7 – 1986.12	助教	中国, 湖南, 湖南师范大学数学系
2012.1 – 2017.6	系主任	加拿大, 曼尼托巴大学统计学系
2011.7 – 2011.12	副系主任	加拿大, 曼尼托巴大学统计学系
2011.1 – 2011.6	代理系主任	加拿大, 曼尼托巴大学统计学系
2009.7 – 2010.12	副系主任	加拿大, 曼尼托巴大学统计学系
2009.1 – 2009.6	代理系主任	加拿大, 曼尼托巴大学统计学系
2008.7 – 2008.12	副系主任	加拿大, 曼尼托巴大学统计学系
2010.1 – 2013.12	兼职教授	加拿大, 曼尼托巴大学商学院精算系
2009.11 – 2012.10	研究员	加拿大, 曼尼托巴大学工业数学研究所
2006.5 至今	研究员	温尼伯, 维多利亚医院临床研究所
2010 – 2013	客座教授	中国, 上海, 上海财经大学
2010 – 2013	兼职教授	中国, 河南, 河南财经政法大学
2009 – 2013	兼职教授	中国, 湖南, 中南大学
2006 – 2009	兼职教授	中国, 湖北, 三峡大学
2005 – 2008	兼职教授	中国, 北京, 中央民族大学
2004 – 2007	兼职教授	中国, 湖南, 湘潭大学

职称

2006 至今	职业统计师	加拿大统计协会
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学术期刊副主编

2010 至今	Communications in Statistics – Theory and Methods
2010 至今	Communications in Statistics – Simulation and Computation

Research

Research interests

Biostatistics, response adaptive clinical trials (ethics, statistical design and analysis), sequential design of experiments, bandit processes, Markov decision processes, dynamic pricing and revenue management

Reviewer (since 2008)

Mathematical Review

Refereed publications (underline indicates my graduate students)

1. Yi Hua and Xikui Wang (2012). Portfolio selection with a hidden Markov model. *Quality Technology and Quantitative Management* in press.
2. Xuan Li and Xikui Wang (2012). Response adaptive designs with misclassified responses. *Communications in Statistics - Theory and Methods* in press.
3. Xuan Li and Xikui Wang (2012). Variance-penalized response-adaptive randomization with mismeasurement. *Journal of Statistical Planning and Inference* 142: 2128-2135.
4. Andrea Blanchard, Xikui Wang, Hani El-Gabalawy, Qier Tan and six others (2012). Determinants of oral health in a Manitoba First Nations population. *International Journal of Circumpolar Health* 71: 17394 - DOI: 10.3402/ijch.v71i0.17394.
5. David Tolusso and Xikui Wang (2012). Some properties of the randomized play the winner rule. *Journal of Statistical Theory and Applications* 11:1-8.
6. Yanqing Yi and Xikui Wang (2011). Comparison of Wald, score, and likelihood ratio tests for response adaptive designs. *Journal of Statistical Theory and Applications* 10: 553-569.
7. Xikui Wang, Qier Tan and Mikelis G. Bickis (2011). Clinical trials with exponential survival times. *Communications in Statistics - Theory and Methods* 40: 1510-1524.
8. David Tolusso and Xikui Wang (2011). Interval estimation for response adaptive clinical trials. *Computational Statistics and Data Analysis* 55: 725-730.
9. Qier Tan, Eric Bohm, Lynda Loucks and Xikui Wang (2010). Lifetime data analysis of waiting time to healthcare in Canada. *Advances and Applications in Statistical Sciences* 2: 89-100.
10. Xikui Wang and Yan Wang (2010). Optimal investment and consumption with stochastic dividends. *Applied Stochastic Models in Business and Industry* 26: 792-808.
11. Yanqing Yi and Xikui Wang (2009). Response adaptive designs with a variance-penalized criterion. *Biometrical Journal* 51: 763-773.
12. Xikui Wang and Yanqing Yi (2009). An optimal investment and consumption model with stochastic returns. *Applied Stochastic Models in Business and Industry* 25: 45-55.
13. Yanqing Yi and Xikui Wang (2008). Asymptotically efficient estimation in response adaptive trials. *Journal of Statistical Planning and Inference* 138: 2899-2905.
14. Yanqing Yi, Xikui Wang and Kaiji Liao (2007). Optimal portfolio with nonparametric learning. *Far East Journal of Theoretical Statistics* 23: 119-132.
15. Xikui Wang (2007). Dynamic pricing with a Poisson bandit model. *Sequential Analysis* 26: 355-365.
16. Xikui Wang (2007). Stochastic order and bandit processes with survival time responses. *Advances and Applications in Statistics* 7: 245-254.

17. Alan Lipson, Wendy M. Fallis, Xikui Wang and Yanqing Yi (2007). Are patients with hyperlipidemia undertreated? Study of patients admitted to hospital with coronary events. *Canadian Family Physician* 53: 1502-1507.
18. Xikui Wang, Jeffrey S. Pai and Kevin J. Shand (2007). A semi-Markov model of disease recurrence in insured dogs. *Applied Stochastic Models in Business and Industry* 23: 429-437.
19. Yanqing Yi and Xikui Wang (2007). Statistical inference of adaptive designs with binary responses. *Communications in Statistics - Theory and Methods* 36: 1643-1653.
20. Yanqing Yi and Xikui Wang (2007). Goodness-of-fit test for response adaptive designs. *Statistics and Probability Letters* 77: 1014-1020.
21. Wendy M. Fallis, Kathy Hamelin, Xikui Wang and Jackie Symonds (2006). A multi-method approach to evaluate chemical dot thermometers for oral temperature measurement. *Journal of Nursing Measurement* 14: 151-162.
22. Jeffrey S. Pai, Kevin J. Shand and Xikui Wang (2006). Compound Poisson model with covariates: a case study on pet insurance. *North American Actuarial Journal* 10: 219-234.
23. Wendy M. Fallis, Kathy Hamelin, Jackie Symonds and Xikui Wang (2006). Maternal and newborn outcomes related to maternal warming during cesarean section delivery. *Journal of Obstetric, Gynecologic, and Neonatal Nursing* 35: 324-331.
24. Xikui Wang and Mikelis G. Bickis (2003). One-armed bandit models with continuous and delayed responses. *Mathematical Methods of Operations Research* 58: 209-219.
25. Jawaid Younus, Ian Simpson, Alison Collins and Xikui Wang (2003). Mind control of menopause. *Women's Health Issues* 13: 74-78.
26. Xikui Wang (2002). Monotonic approximation of the Gittins index, *Markov Processes and Controlled Markov Chains* (Edited by Zhenting Hou, Jerzy A. Filar, and Anyue Chen), Chapter 22, 363-367.
27. Xikui Wang (2002). Asymptotic properties of bandit processes with geometric responses. *Statistics and Probability Letters* 60: 211-217.
28. Xikui Wang (2001). Bandit processes and applications. *Mathematics in Economics* 18: 39-48.
29. Xikui Wang and Daryl Pullman (2001). Play-the-winner rule and adaptive designs of clinical trials. *International Journal of Mathematics and Mathematical Sciences* 27: 229-236.
30. Daryl Pullman and Xikui Wang (2001). Adaptive designs, informed consent, and the ethics of research. *Controlled Clinical Trials* 22: 203-210.
31. Xikui Wang (2001). Convergence rate of conditional expectations. *Scientiae Mathematicae Japonicae (formerly Mathematica Japonica)* 53: 83-87.
32. Xikui Wang (2000). A bandit process with delayed responses. *Statistics and Probability Letters* 48: 303-307.
33. Shou-Ching Tang, Nadine Shaheta, Garry Chernenko, Mohmoud Khalifa, and Xikui Wang (1999). Expression of BAG-1 in invasive breast carcinomas. *Journal of Clinical Oncology* 17: 1710-1719.
34. Xikui Wang (1993). Completeness of the set of sub-sigma-algebras. *International Journal of Mathematics and Mathematical Sciences* 16: 511-514.
35. Keith F. Taylor and Xikui Wang (1993). A metric space associated with a probability space. *International Journal of Mathematics and Mathematical Sciences* 16: 277-282.
36. Xikui Wang (1988). A remark on finite horizon Markov decision processes. *Mathematics in Economics* 5: 76-80.