Curriculum Vitae

Dr Wu Ka Yui Karl

Senior Lecturer, Business Analytics Programme
School of Business

Tel   : +65 6248 0477

Education Qualifications

2012	PhD in Statistics, University of Hong Kong, Hong Kong
2006	Diplom Statistiker (Bachelor & Master in Statistics), Universität Dortmund, Germany

Academic and Professional Experience

2018 -	Senior Lecturer, Singapore University of Social Sciences, Singapore
2017 - 2018	Research Fellow, National University of Singapore, Singapore
2016 - 2017	Postdoctoral Fellow, Aarhus University, Denmark
2012 - 2016	Instructor of Statistics, University of Hong Kong, Hong Kong
2000 - 2007	Project Manager, Promit Market Research GmbH, Germany

Consultancy and Executive Experience

2016 - 2017	Statistical Consultant, Applied Statistical Laboratory, Aarhus University, Denmark
2013 - 2015	Statistical Consultant, Department of Cardiology, Queen Mary Hospital, Hong Kong
2012	Statistical Consultant, Environmental Protection Department, Hong Kong S.A.R. Government, Hong Kong

Research Interests

- Generalized Linear Model; Time Series Analysis; Multivariate Analysis; Heteroscedastic Models

Selected Publications

- Ip, R.H.L., **Wu, K.Y.K.** (2022). A Markov random field model with cumulative logistic functions for spatially dependent ordinal data. Journal of Applied Statistics, in press. Published online
- Lee, C.K.H, & **Wu, K.Y.K.** (2021) Making autonomous vehicle systems human-like: lessons learned from accident experiences in traffic, Enterprise Information Systems, DOI: 10.1080/17517575.2021.1998641

- Yiu, L. M. D., & **Wu, K. Y. K.** (2021). The Interactions of Absorptive Capacity, Buffer Inventory, and Toxic Emissions on Firm Value. Int. J. Environ. Res. Public Health, 18, 1979. DOI: https://doi.org/10.3390/ijerph18041979.

- Ip, R. H. L., **Wu, K. Y. K.** (2020). A note on discrete multivariate Markov random field models. Statistics and Probability Letters, 108588. DOI: https://doi.org/10.1016/j.spl.2019.

- **Wu, K. Y. K.** (2019). jmdem - An R-package for fitting joint mean and dispersion effects models, International Conference on Statistics: Theory and Application (ICSTA), 13-14 August. Lisbon: International ASET Inc. DOI: http://doi.org/10.11159/icsta19.21.

- **Wu, K.Y.K.** (2018). jmdem - An R-package for fitting joint mean and dispersion effects. http://www.cran.r-project.org/package=jmdem.

- Lee, S.W.L., Tam, C.C.F., Lam, S.C.C., Chan, K.K.W., Kong, S.L, … & **Wu, K.Y.K.** (2018). A Randomized Optical Coherence Tomography Study Comparing the Resolute Integrity Drug-Eluting Stent to the BioMatrix NeoFlex Drug-Eluting Stent on the Degree of Early Stent Healing and Late Neointimal Changes: The OCT-ORION Study. Circulation: Cardiovascular Interventions, 11(4), e006034.

- **Wu, K.Y.K.**, & Li, W.K. (2016). On a Dispersion Model with Pearson Residual Responses. Computational Statistics & Data Analysis, 103, 17-27.

- Lee, S.W., Lam, S.C.C., Tam, F.C., Chan, K.K., Shea, C.P., Kong, S.L, … & **Wu, K.Y.K.** (2016). Evaluation of Early Healing Profile and Neointimal Transformation over 24 Months Using Longitudinal Sequential Optical Coherence Tomography Assessments and 3-Year Clinical Results of the New Dual-Therapy Endothelial Progenitor Cell Capturing Sirolimus-Eluting Combo Stent. Circulation: Cardiovascular Interventions, 9(7), e003469.

- Kong, S.L., Lee, W.L.S., Lui, C.G., Chan, W.S.C., Fok, A., Lee, H.P., & **Wu, K.Y.K.** (2015). Validation of Accuracy of Home Blood Pressure Monitoring Devices by Bland and Altman Limits of Agreement and Method of Variance Estimates Recovery. Journal of the American College of Cardiology, 65(10), A1406.

- **Wu, K.Y.K.**, & Li, W.K. (2015). Double Generalized Threshold Models with Constraint on the Dispersion by the Mean. Computational Statistics & Data Analysis, 82, 59-73.

- Lee, S.W.L., Lam, S.C.C., Kong, S.L., Chan, K.K.W., Tam, C.C.F., Wong, M.K.L, … & **Wu, K.Y.K.** (2014). TCT-367 2-Year Sequential OCT Follow-Up Findings and 3-Year Clinical Outcomes of the New Dual Therapy Endothelial Progenitor Cell Capturing Sirolimus-Eluting COMBO Stent: The EGO-COMBO study. Journal of the American College of Cardiology, 64(11), B107.