Curriculum Vitae

ผู้ช่วยศาสตราจารย์ ดร.มานัดถุ่ คำกอง
Assist. Prof. Dr. Manad   Khamkong

Present position:

Assistant Professor in Statistics at Department of Statistics, Faculty of Sciences, Chiang Mai

University, Thailand. 50200. Tel. +6653-943-381

E-mail: manad.k@cmu.ac.th

Academic Positions:

2013 – Present	Assistant Professor in Statistics at Department of Statistics, Faculty of Sciences, Chiang Mai University, Thailand
2005 – 2013	Instructor at Department of Statistics, Faculty of Sciences, Chiang Mai University, Thailand

Education:

PhD in Statistics (2010), National Institute of Development Administration, Thailand.
Title of Dissertation: Asymptotic Tests for Poisson distribution.
Advisor: Associate Professor Dr. Pachitjanut Siripanich.

M.S. in Applied Statistics (2005), Chiang Mai University, Thailand.

Title of Thesis: Theoretical Concept of Negative Binomial Regression Analysis

and Its Application.

B.Sc. in Statistics (2002), Mahasarakham University, Thailand.

Major Research Interests:
Statistical Theory and Analysis, Statistical Modeling and Environmental Statistics.

Honors and Awards:
-**Excellence Academic Thesis Award in Development Administration for the Year 2010 of the National Institute of Development Administration, Thailand.** Title of Dissertation: Asymptotic Tests for Poisson distribution.
-**Excellence Academic Paper Award in Development Administration for the Year 2010 of the National Institute of Development Administration, Thailand.** In the paper "Alternative Tests for Poissonity".

Book:

Manad Khamkong. 2018. **Probability with Application to Statistical Inference.** Chiang Mai University Press. (In Thai).

Publications:

Chaito, T. and **Khamkong, M.** 2018. A Modified Box and Cox Power Transformation to Determine the Standardized Precipitation Index. Songklanakarin Journal of Science and Technology. 40(4): 867 – 877.

Boonyayatra, S., Kasemsuwan, S., Moonarmart, W., Urkasemsin, G., Yamsakul, P., Peansukmanee, S., Poolperm, P., Thitiyanaporn, C., Kamollerd, C., Chauchan, K., Jiwakanon, J., Sotthibandhu, P., Intarapuk, A., Chaichanasak, P., Mamom, T., Jamikorn, U., Sajjarengpong, K., Assavacheep, P., Tangsomchai, C., and **Khamkong, M.** 2018. Workforce Projection in Veterinary Profession in 2025. Journal of Health Systems Research. No.2 Vol. 12, 232-244.

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Kaewprasert, T., **Khamkong, M.,** and Bookkamana, P. 2017. A Comparison of Data Transformation Methods of Generalized Exponential Distribution and Estimation of Summer Rainfall in Chiang Dao, Chiang Mai. Burapha Science Journal, No 22, Vol 3, 385 -396 (In Thai).

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Muenta, P., **Khamkong, M.,** and Bookkamana, P. 2016. A Comparison of Goodness of Fit Test for Drought Analysis. Burapha Science Journal, No 21, Vol 3, 38 - 49 (In Thai).

Chaito, T., **Khamkong, M.,** and Bookkamana, P. 2016. Application of Transformation Techniques to Evaluate Drought. Burapha Science Journal, No 21, Vol 2, 86 -98 (In Thai).

Khamkong, M. and Bookkamana, P. 2015. Development of Statistical Models for Maximum Daily Rainfall in Upper Northern Region of Thailand. Chiang Mai Journal of Science. Vol. 42, No.4. pp.1044 – 1053.

Khamkong, M. and Siripanuch, P. 2015. Alternative Test for the Poisson Distribution. Chiang Mai Journal of Science. Vol. 42, No. 3. Pp. 774 – 782.

Monkong, N., **Khamkong. M.** and Bookkamana, P. 2014 The Remedy Multicollinearity Problems with a Ridge Logistic Regression Estimator by One-Step Bootstrapping. KKU Journal Graduate Studies. Vol. 14, No. 4, 44 – 56. (In Thai).

Nanthaprut, P., **Khamkong. M.** and Bookkamana, P. 2014. Test Statistic for the Risk Ratio in a Correlated 2x2 Table with Structural Zero in Small Sample Size. KKU Journal Graduate Studies. Vol. 14, No. 1, 1-11. (In Thai).

Nanthaprut, P., **Khamkong. M.** and Bookkamana, P. 2014. Improving of Test Statistic for the Risk Ratio in a Correlated 2x2 Table with Structural. J Sci Technol MSU. Vol. 33, No. 2. 137-140.

Khamkong, M. 2013. Some Remarks on the Model Comparison of Poisson Distribution and Discrete Related Distribution. Burapha Science Journal, No 18, Vol 1, 219-225. (In Thai).

Sriwichai, S and **Khamkong, M.** 2013. Improving the Confidence Intervals for Parameter Estimation of Poisson Distribution. Burapha Science Journal, No 18, Vol 1, 137-143 (In Thai).

Khongthip, P., **Khamkong, M.,** and Bookkamana, P. 2013. Modeling annual extreme precipitation in upper northern region of Thailand. Burapha Science Journal, No 18, Vol 1, 95-104 (In Thai).

Khamkong, M. 2012. Approximate Confidence Interval for the Mean of Poisson Distribution. Open Journal of Statistics, 2, 204-207. DOI: 10.4236/ojs.2012.22024

Rittisaeng, R., **Khamkong, M.** and Bookkamana, P. 2012. Estimation of hybrid logistic regression parameters using bootstrap method for case-control studies. Ramkhamhaeng Journal of Sciences and Technology, Vol. 29, No 2. pp. 1-19 (In Thai).

Khamkong, M. 2012. Regression Analysis of Count Data with Zero-inflation. Ramkhamhaeng Journal of Sciences and Technology, Vol. 29, No 1. pp. 65-79 (In Thai).

Ruangnamkit, S., Bookkamana, P. and **Khamkong, M.** 2010. Analysis of Electricity Consumption in Regions under Responsibility of the Northern Provincial Electricity Authority, *Academic Journal Phranakhon Rajabhat University*. Vol.2, No 1, pp 122-132 (In Thai).

Proceedings:

Jaithun, M. and **Khamkong, M.** 2017. Optimal Parameter Estimation for Zero – Inflated Gamma Distribution with Application to Rainfall Data of Yom River in Northern Thailand. Proceedings of the 13th IMT-GT International Conference on Mathematics, Statistics, and their Applications (ICMSA2017), 4 – 7 December 2017, Universiti UtaraMalaysia, Sintok, Kedah, Malaysia.

Jaithun, M., **Khamkong, M.** and Bookkamana, P. 2016. Zero – Inflated Gamma Distribution with Application to Rainfall Data of Yom River in Northern Thailand. Proceedings of International Conference on Applied Statistics 2016, 13 – 15 July 2016, Phuket, Thailand.

Khamkong. M. and Bookkamana, P. 2013. Approximate Confidence Interval for Risk Ratio in a correlated 2 x 2 Table with Structural Zero. Proceedings of the 18th Annual Meeting in Mathematics, Thaksin University.

Khamkong, M. 2012. Statistical Modeling of Annual Monthly Maximum Rainfall in Upper Northern Region of Thailand. Proceedings of the 6th International Days of Statistics and Economics, 13-15 September 2012, Prague, Czech Republic.

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Khamkong, M., Pudprommarat, C., Jansakul, N. and Bookkamana, P. Application of Negative binomial Modeling in Road Accidents in Thailand. **In Proceeding of the Regional Conference on Ecological and Environmental Modeling (ECOMOD 2004)**, 15 - 16 September 2004, Malaysia.