

CURRICULUM VITAE



ศาสตราจารย์ ดร.สำรวม จงเจริญ

Prof. Samruam Chongcharoen, Ph.D.

ศาสตราจารย์ทางสถิติ (Professor(full) in Statistics)

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Department of Statistics, Faculty of Science, Chiang mai University,

239 Huay Keaw Road , Suthep District, Amphor Muang, Chiang mai Thailand.

การศึกษา (Education)

- Ph.D.(Statistics), University of Missouri-Columbia, U.S.A.1998.
 - M.A.(Mathematics Actuarial Science), Central Connecticut State University, U.S.A.1994.
 - M.S.(Applied Statistics), National Institute of Development Administration, Thailand, 1984.
 - B.Ed.(Mathematics), Srinakharinwirot University at Phitsanulok, Thailand,1981.
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หัวข้องานวิจัยสนใจ (Research Interest)

- Multivariate Statistics on High dimensional Data
 - Order restricted statistical Inference
 - Actuarial Mathematics (Risk Theory).
 - Other applied Statistics
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รายวิชาที่สอน (Courses Taught)

- Mathematics for Applied Statistics
 - Statistical methods
 - Mathematical Statistics I: Probability
 - Mathematical Statistics II: Statistical Inference
 - Multivariate Statistical Analysis
 - Linear Model
 - Survival Analysis
 - Nonparametric Statistical Analysis
 - Statistics Quality Control
 - Time Series
 - Regression analysis

 - Mathematics for finance
 - Risk Theory
 - Actuarial mathematics
 - Loss distribution
-

ประสบการณ์ทำงาน / ตำแหน่ง Working Experience / Position

- Researcher at CSN and association for social and marketing research limit
- Researcher at Department of research and product development of Berli Jucker Public Co.Ltd.
- Lecturer in statistics of Mathematic department, Faculty of Science, Srinakharinwirot University at Phitsanulok, Thailand (1985-1988).
- Assistant Professor in statistics of Mathematic department, Faculty of Science, Srinakharinwirot University at Phitsanulok, Thailand (1988-1991).
- Assistant Professor in statistics of Mathematics and Statistics Department, Faculty of Science, Thammasat University, Thailand (1991-1992).

- Assistant Professor of Statistics Department, School of Applied Statistics, National Institute of Development Administration, Thailand (1992-2004).
- Associate Professor of Statistics Department, School of Applied Statistics, National Institute of Development Administration, Thailand (2004-2011).
- Professor (full) of Statistics Department, School of Applied Statistics, National Institute of Development Administration, Thailand (2012-2018).
- Professor (full) of Statistics Department, Faculty of Science, Chiang mai University, Thailand (2018-present).

Publications:

- ◆ Poompong Kaewumpai and Samruam Chongcharoen. (2019). Discriminant methods of high dimensional data, Songklanakarin Journal of Science and Technology, 41(5), Sept.-Oct., 2019.
- ◆ Apichart Luesamai and Samruam Chongcharoen. (2018). Upper Bound of Ruin Probability for an Insurance Discrete-Time Risk Model with Proportional Reinsurance and Investment, Pakistan Journal of Statistics and Operation Research, Vol.14 No.13, 2018.
- ◆ Knavoot Jiamwattanapong and Samruam Chongcharoen. (2017). A Two-Sample Test for the Mean Vector in High-Dimensional Data, Applied Science and Innovative Research, ISSN, 2474-4972 (print), ISSN 2474-4980 (online) Vol.1, 2017.
- ◆ Pawat Paksaranuwat and Samruam Chongcharoen. (2017). Computing ruin probability and minimum initial capital by simulation, Songklanakarin Journal of Science and Technology, 39(4), 439-449, Jul.-Aug., 2017.
- ◆ Kunjira Kingphai and Samruam Chongcharoen. (2016). Estimating the Claim Severity Distribution using Variable Neighborhood Search, American Journal of Applied Science, 13(12),1400-1406, DOI:10.3844/ajassp.2016.1400 -1406.
- ◆ Chaipitak, S. and Chongcharoen,S.(2016). A Covariance matrix test for High-dimensional Data, Songklanakarin Journal of Science and Technology, 38(5), 521-535, Sep.-Oct., 2016.
- ◆ Jitrua, T. and Chongcharoen,S.(2016). "Comparison of Testing Statistics for Symmetry by Nonparametric Methods ", Thai Journal of Science and Technology, Thammasat University, 24(5 supplement issue 2016), 726-734.

- ◆ Bunmahasit, C. and Chongcharoen,S.(2016). "Comparison of Mortality Rate modeling and Forecasting by data from Thailand ", Thai Journal of Science and Technology, Thammasat University, 24(6 supplement issue 2016), 726-734.
- ◆ Madliad, N. and Chongcharoen,S.(2016). "Methods for Forecasting Thai Mortality Rate", Thai Journal of Science SWU, Srinakharinwirot University 32(1), 242-257, June, 2016.
- ◆ Jiamwattanapong, K. and Chongcharoen,S.(2015). A New Test for the Mean Vector in High-Dimensional Data, Songklanakarin Journal of Science and Technology, 37(4), 477-484, Jul-Aug., 2015.
- ◆ Chaipitak, S. and Chongcharoen,S.(2013). A Test for Testing the Equality of Two Covariance Matrices for High-dimensional Data, Journal of Applied sciences 13(2):270-277,2013.
- ◆Chongcharoen,S.,(2012). One-sided Multivariate Tests for High Dimensional Data, Journal of Mathematics and Statistics 8(2):274-282,2012.
- ◆Chongcharoen,S. and Wright,F.T.(2012). Scale Invariant Follmann-type Tests, Journal of Applied Sciences 12(13):1390-1395,2012. DOI:10.3923/jas2012.1390.1395.
- ◆Choopradit, B. and Chongcharoen, S.,(2011).A Test for Two-Sample Repeated Measures Designs: Effect of High-Dimensional Data , Journal of Mathematics and Statistics 7(4): 332-342,2011.
- ◆Choopradit, B. and Chongcharoen,S.,(2011). A Test for One-Sample Repeated Measures Designs: Effect of High-Dimensional Data, Journal of Applied Sciences 11(18):3285-3292,2011.
- ◆Chongcharoen, S.,(2011). Inversion of Covariance Matrix for High Dimensional Data, Journal of Mathematics and Statistics 7(3):227-229,2011.
- ◆Hirunkasi,K., and Chongcharoen,S.,(2011). Doubly multivariate model analysis for high dimensional multivariate repeated measures, Proceeding of The 7th IMT-GT International Conference on Mathematics, Statistics and its Applications(ICMSA 2011), Bangkok,Thailand,pp.592-606.
- ◆Chongcharoen, S.,(2010). Scale Invariant for One-sided Multivariate Likelihood Ratio Tests, Songklanakarin Journal of Science and Technology 32(3), 321-327, May-Jun. 2010

- ◆Chongcharoen, S.,(2009), "Powers of some one-sided multivariate tests with unknown population covariance". *Sonklanakarin J. Sci. Techno.*31(3), May-June 2009. Granted by Thailand Research Fund.

- ◆Chongcharoen, S. and F.T. Wright (2007). Permutation and scale invariant one-sided approximate likelihood ratio tests. *Statistics & Probability Letters*, Volume77, Issue8, 15 April 2007, Page 774-781. (Supported by Nida's Research center)

- ◆Teerapaolarn. K., Neammanee., K. and Chongcharoen, S. (2004). Approximation of The Prability of Non-Isolated Vertices in Random Graph. National Applied Statistical Conference, Bangkok.

- ◆Prukpousana. K. and Chongcharoen, S. (2004) Robust Population Total Estimator in Survey Sampling. National Applied Statistical Conference, Bangkok.

- ◆Tansathit.C., Hirunraks A., and Chongcharoen, S. (2004). On Modeling and Estimation for Paired Survival Data with Covariates. National Applied Statistical Conference, Bangkok.

- ◆Boosarawongse, R. and Chongcharoen, S. (2003). Model selection criteria for autoregressive models, DSI & APDSI Conference, Shanghai, China.

- ◆Chongcharoen, S , F.T. Wright and Bahadur Singh(2002). Powers of some one-sided multivariate tests with the population covariance matrix known up to a multiplicative constant. *Journal of Statistical Planning and Inference* 107, 103-121.

Consulting works:

- ◆Chongcharoen,S., (2011). A survey of the trend in demand for high speed internet service in the regions of Thailand supported by TT&T company.(August-December 2011).

- ◆Chongcharoen., S. The development of mechanism to integrate social development projects : social development statistical prediction models in sirens society, supported by Ministry of Social Development and Human Security. (July 2010- August 2010).

- ◆Chongcharoen., S. The development of mechanism to integrate social development projects : social development statistical prediction models in urban area : Testing the models, supported by Ministry of Social Development and Human Security. (December 2008- August 2009).

♦Chongcharoen., S, Jirachiefpattana., W and Thammakoranonta., N. The development of mechanism to integrate social development projects : social development statistical prediction models in urban area., supported by Ministry of Social Development and Human Security. (December 2007- August 2008).

♦Chongcharoen., S, The working happiness of employees of Office of Tourism Department., supported by Ministry of Tourism & Sports. (September 2008- October 2008).

♦Chongcharoen., S, Jirachiefpattana., W and Thammakoranonta., N. The development of mechanism to integrate social development projects: social development statistical prediction models in rural area. Testing the models, supported by Ministry of Social Development and Human Security. (December 2006- August 2007).

♦Chongcharoen., S, Jirachiefpattana., W and Thammakoranonta., N. The development of mechanism to integrate social development projects : social development statistical prediction models in rural area., supported by Ministry of Social Development and Human Security. (January 2006- August 2006).

♦Lorchirachoonkul V., Jittravech, J. and Chongcharoen., S., “ Improving Efficiency of Cheque Truncation project”, supported by Bank of Thailand. (June 2003- March 2004).

♦Chongcharoen., S.,(2003). “A study of Government School Teacher’ Debt Problem”, Thai Journal of Development Administration, vol.43 no. 1, 2003, supported by Ministry of Education.

ผลงานเขียนตำรา (Published Books):

- Linear models (in Thai), (2008), Distributed by SE-Ed Book company in Thailand.
- Nonparametric Statistical Analysis (in Thai), (2005), Distributed by SE-Ed Book company in Thailand.
- ระเบียบวิธีสถิติ 1 ผู้แต่ง ศ.ดร.ประชุม สุวัฒน์ธิ รศ.ดร.จิราวัลย์ จิตรถเวช รศ.ดร.พาชิตชนันต์ ศิริพานิช และ รศ.ดร.สำรวม จงเจริญ โครงการส่งเสริมเอกสารวิชาการ สถาบันบัณฑิตพัฒนบริหารศาสตร์ ปี 2549

ผลงานวิจัยที่ได้รับรางวัล (Paper Rewards):

- National Development Administration paper award in Applied Statistics 2004 by National Institute of Development Administration. Topic as “Powers of some One-sided Multivariate

tests with population covariance matrix known up to a multiplicative constant” with good paper award.

- National Development Administration paper award in Applied Statistics 2010 by National Institute of Development Administration. Topic as “Powers of some One-sided Multivariate tests with unknown population covariance matrix” with good paper award.
- National Development Administration paper award in Applied Statistics 2011 by National Institute of Development Administration. Topic as “One-sided Multivariate tests with high dimensional data” and “Scale invariant for one side multivariate likelihood ratio test” with excellent paper award.
- National Development Administration paper award in Applied Statistics 2012 by National Institute of Development Administration. Topic as “A test for Two-samples repeated measure designs: Effect of high dimensional data “with excellent paper award.
- National Development Administration paper award in Applied Statistics 2013 by National Institute of Development Administration. “ On covariance matrix testing when the dimension is larger than or equal to the sample size” and “Scale invariant Follmann’ type tests” with excellent paper award.
- National Development Administration paper award in Applied Statistics 2015 by National Institute of Development Administration. “A new test for the mean vector in high dimensional data” with good paper award.

วารสารที่ประเมินบทความวิจัย (Journal as peer review):

- Songklanakarin Journal of Science and Technology.
 - Communication in Statistics-Simulation and Computation
 - Thai Statistical journal
 - Walailak Journal of Science and Technology
 - Journal of Statistical computation and Simulation
 - Journal of Multivariate Analysis
 - Communication in Statistics
 - Theoretical and Applied Climatology
 - Meteorological Applications
 - Maejo International Journal of Science and Technology
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