

CURRICULUM VITAE



ศาสตราจารย์ ดร.สำรวม จงเจริญ

Prof. Samruam Chongcharoen, Ph.D.

ศาสตราจารย์ทางสถิติ (Professor(full) in Statistics)

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สถานที่ติดต่อ (Contact)

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School of Applied Statistics

National Institute of Development Administration (NIDA)

118 SeriThai Rd., Bangkapi, Bangkok 10240, 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 of Mathematic department, Faculty of Science, Srinakharinwirot University at Phitsanulok, Thailand (1985-1991).
- Assistant Professor 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-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.
- ◆ 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". Songklanakarin 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 สุวัฒน์ รัต.ดร.จิราวัลย์ จิตรถเวช รัต.ดร.พาชิตชนันต์ ศิริพานิช และ รัต.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.
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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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