

Sunthud Pornprasertmanit

CURRICULUM VITAE

CONTACT ADDRESS

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EDUCATION

Jul 14 - Aug 15 **Postdoc Research Associate**, Institute for Measurement, Methodology, Analysis, and Policy, Texas Tech University
Aug 10 - May 14 **Ph.D., Quantitative Psychology**, University of Kansas
Jul 08 - May 10 **M.S., Quantitative Psychology**, Illinois State University
May 02 - May 06 **B.S., Psychology**, Chulalongkorn University, Thailand.

EMPLOYMENT HISTORY

Aug 15 – Present **Invited Lecturer**, Faculty of Psychology, Chulalongkorn University.
Jan 16 – May 16 **Invited Lecturer**, Faculty of Education, Chulalongkorn University.
Jul 14 – Aug 15 **Postdoc Research Associate**, Institute for Measurement, Methodology, Analysis, and Policy, Texas Tech University
Aug 12 – May 14 **Teaching Assistant**, Department of Psychology, University of Kansas
Aug 10 – Dec 13 **Research Assistant**, Center for Research Methods and Data Analysis, University of Kansas
Aug 08 - May 10 **Teaching Assistant**, Department of Psychology, Illinois State University
Jun 09 - Jul 09 **Invited Lecturer**, Faculty of Psychology, Chulalongkorn University.
Oct 06 - Jul 08 **Lecturer**, Faculty of Psychology, Chulalongkorn University.
Jun 06 - Sep 06 **Laboratory Teacher**, Faculty of Psychology, Chulalongkorn University.
Jun 05 - Sep 05 **Student Intern**, Thanyarak Institute on Drug Abuse, Pathumthani, Thailand.

PUBLICATIONS

Jorgensen, T. D., Garnier-Villarreal, M., **Pornprasertmanit, S.**, & Lee, J. (2019). Small-variance priors can prevent detecting important misspecifications in Bayesian confirmatory factor analysis. In M. Wiberg, S. A. Culpepper, R. Janssen, J.

González, & D. Molenaar (Eds.), *Quantitative psychology: The 83rd annual meeting of the Psychometric Society*, New York, NY.

- Kelley, K., & **Pornprasertmanit, S.** (2016). Confidence intervals for population reliability coefficients: Evaluation of methods, recommendations, and software for homogeneous composite measures. *Psychological Methods*, 21, 69-92.
- Pornprasertmanit, S.**, Lee, J., & Preacher, K. (2014). Ignoring clustering in confirmatory factor analysis: Some consequences for model fit and standardized parameter estimates. *Multivariate Behavioral Research*, 49, 518-543.
- Pornprasertmanit, S.**, & Schneider, W. J. (2014). Accuracy in Parameter Estimation in Cluster Randomized Designs. *Psychological Methods*, 19, 356-379.
- Schoemann, A. S., Miller, P. J., **Pornprasertmanit, S.**, & Wu, W. (2014). Using Monte Carlo simulations to determine power and sample size for planned missing designs. *International Journal of Behavioral Development*, 38, 471-479.
- Pornprasertmanit, S.** & Wu, W. (2014). *The unified approach for model evaluation in structural equation modeling*. Doctoral Dissertation in Quantitative Psychology from the University of Kansas.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (2013). Using a Monte Carlo approach for nested model comparisons in structural equation modeling. In R. E. Millsap, L. A. van der Ark, D. M. Bolt, & C. M. Woods (Eds.), *New developments in quantitative psychology* (pp. 187-197). New York: Springer.
- Hogue, C. M.*, **Pornprasertmanit, S.***, Fry, M. D., Rhemtulla, M., & Little, T. D. (2013). Planned missing data designs for spline growth models in salivary cortisol research. *Measurement in Physical Education and Exercise Science*, 17, 310-325.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (2013). Taking into account sampling variability of model selection indices: A parametric bootstrap approach. *Multivariate Behavioral Research*, 48, 168-169 (Abstract).
- Geldhof, J., **Pornprasertmanit, S.**, Schoemann, A., & Little, T. D. (2013). Orthogonalizing through residual centering: Extended applications and caveats. *Educational and Psychological Measurement*, 73, 27-46.
- Pornprasertmanit, S.**, & Little, T. D. (2012). Determining directional dependency in causal associations. *International Journal of Behavioral Development*, 36, 313-322.
- Pornprasertmanit, S.** & Schneider, W. J. (2010). *Efficient sample size for power and desired accuracy in Cohen's d estimation in two-group cluster randomized design*. Master Thesis in Quantitative University from the Illinois State University.
- Wiratchai, N., Ruengtragul, A., Jetchamnongnuch, W., **Pornprasertmanit, P.**, Katechum, A., Pranompont, S., et al. (2009). *Meta-analysis of Thai education quality*. Bangkok, Thailand: Office of the Education Council, Ministry of Education, Thailand.
- Pornprasertmanit, S.**, Suttiwan, P., Iamsupasit, S., Pisitsungkagarn, K., Lawpoonpat, C., Ariyabuddhiphongs, K., & Huansuriya, T. (2008). *The evaluation project of students' moral enhancement projects: Attitudes and Behaviors*. Bangkok, Thailand: Office of the Education Council, Ministry of Education, Thailand.

Lonhlam, S., Suttiwan, P., & **Pornprasertmanit, S.** (2008). Relationships among trait anxiety, optimism, and self-esteem of university students. *Journal of Health Research, 22*, 91-96.

Pornprasertmanit, S. (2007). *Manual of writing in psychology*. Bangkok, Thailand: Faculty of Psychology, Chulalongkorn University.

Pornprasertmanit, S., & Huansuriya, T. (2006). Prediction of substance abuse patients' adherence to therapy by patient satisfaction, patients' attitude towards the therapy: A case study of Thanyarak Institute. *Proceedings of the East-West Psychological Science Research Center, 6*, 19-27. Part of Senior project for graduating in bachelor degree of psychology from the Chulalongkorn University.

Pornprasertmanit, S., Ariyabuddhipongs, K., Raweepattarakul, J., Srijaratrung, W., Patarawareekul, C., Komenake, P., et al. (2004). Study of cheating behavior in Thai undergraduate students. *Proceedings of the East-West Psychological Science Research Center, 4*, 73-86.

* Denotes shared senior author responsibility

PRESENTATIONS

Pornprasertmanit, S. (January, 2016). *Missing data handling*. Invited talk, Faculty of Psychology, Chulalongkorn University, Bangkok, Thailand.

Pornprasertmanit, S., & Kelley, K. (October, 2015). *Confidence intervals for population reliability coefficients: Evaluation of methods, recommendations, and software for homogeneous composite measures*. Invited talk, Faculty of Psychology, Chulalongkorn University, Bangkok, Thailand.

Pornprasertmanit, S., & Wu, W. (October, 2015). *The unified approach for model evaluation in structural equation modeling*. Invited talk, Department of Educational Research and Psychology, Chulalongkorn University, Bangkok, Thailand.

Schoemann, A. M., **Pornprasertmanit, S.**, & Miller, P. (May, 2014). *semTools: Useful tools for SEM in R*. Paper presented at the Modern Modeling Mehtods (M3) Conference, Storrs, CT.

Pornprasertmanit, S., Schoemann, A. M., & Miller, P. (May, 2014). *simsem: SIMulated Structural Equation Modeling in R*. Paper presented at the Modern Modeling Mehtods (M3) Conference, Storrs, CT.

Pornprasertmanit, S. (April, 2014). *The unified approach for model evaluation in structural equation modeling*. Invited talk, Institute for Measurement, Methodology, Analysis, & Policy, Texas Tech University, Lubbock, TX.

Pornprasertmanit, S. (December, 2013). *Mediation*. Invited talk, Department of Psychology, Chulalongkorn University, Bangkok, Thailand.

- Pornprasertmanit, S.** (September, 2013). *Improve the use of practical fit indices in structural equation modeling*. Presentation given at the University of Kansas Quantitative Psychology Weekly Colloquium series, Lawrence, KS.
- Pornprasertmanit, S., & Wu, W.** (April, 2013). *Statistical inference from nonrandom samples in psychological studies*. Presentation given at the University of Kansas Quantitative Psychology Weekly Colloquium series, Lawrence, KS.
- Little, T. D., Schoemann, A. M., **Pornprasertmanit, S.**, & Miller, P. (October, 2012). *simsem: SIMulated Structural Equation Modeling in R*. Paper given at the Tenth Annual Society of Multivariate Experimental Psychology, Vancouver, Canada.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (October, 2012). *Taking into account sampling variability of model selection indices: A parametric bootstrap approach*. Poster (with honorable mention) given at the Tenth Annual Society of Multivariate Experimental Psychology Graduate Student Pre-conference, Vancouver, Canada.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (July, 2012). *Monte Carlo Approach to Model Fit Evaluation in Structural Equation Modeling: How to Specify Trivial Misspecification*. Presentation given at the 77th International Meeting of the Psychometric Society, Lincoln, NE.
- Schoemann, A., **Pornprasertmanit, S.**, & Miller, P. J. (July, 2012). *simsem: Simulated structural equation modeling in R*. Presentation given at the 77th International Meeting of the Psychometric Society, Lincoln, NE.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (May, 2012). *On a Monte Carlo approach for model fit evaluation in SEM*. Poster presented at the American Psychological Society Annual Convention, Chicago, IL.
- Schoemann, A., Little, T. D., Rhemtulla, M., & **Pornprasertmanit, S.** (May, 2012). *From discrete conditions to continuous factors: Rethinking methodological simulations*. Presentation given at the Modern Modeling Methods Conference, Storrs, CT.
- Boulton, A.*, **Pornprasertmanit, S.***, Jorgensen, T. D.*, & Hughes, R.* (April, 2012). *Recent advances in model evaluation*. Presentation given at the University of Kansas Quantitative Psychology Weekly Colloquium series, Lawrence, KS.
- Schoemann, A., & **Pornprasertmanit, S.** (February, 2012). *simsem: An R package for the future generation of SEM*. Presentation given at the weekly colloquium in the Center of Research Methods and Data Analysis, University of Kansas.
- Pornprasertmanit, S.**, Lee, J. & Preacher, K. J. (August, 2011). *The effects of item intraclass correlation on multilevel confirmatory factor analysis: Is ignoring multilevel structure ever justified?* Poster presented at the annual meeting of the American Psychological Association, Washington, DC.
- Lee, J., **Pornprasertmanit, S.** & Preacher, K. J. (August, 2011). *Type I Error and Power for Multilevel Confirmatory Factor Analysis in Detecting Cross-level Measurement and Structural Invariance*. Poster presented at the annual meeting of the American Psychological Association, Washington, DC.

- Kelley, K., & **Pornprasertmanit, S.** (July, 2011). *An evaluation of confidence intervals of composite reliability coefficients*. Paper presented at Joint Statistical Meetings of the American Statistical Association, Miami, FL.
- Pornprasertmanit, S.**, & Lee, J. (April, 2011). *Is ignoring multilevel structure in confirmatory factor analysis ever justified?* Presentation given at the first CRMDA workgroup symposium series in the Center of Research Methods and Data Analysis, University of Kansas.
- Pornprasertmanit, S.**, Wu, W., & Little, T. D. (April, 2011). *Say goodbye to cutoffs: Using empirical sampling distributions of fit indices to determine appropriate level of model fits in structural equation modeling*. Presentation given at the weekly colloquium in the Center of Research Methods and Data Analysis, University of Kansas.
- Pornprasertmanit, S.** & Schneider, W. J. (October, 2010). *Efficient sample size for power and desired accuracy in Cohen's d estimation in two-condition cluster randomized design*. Presentation given at the weekly colloquium in the Center of Research Methods and Data Analysis, University of Kansas.
- Pornprasertmanit, S.** (March, 2010). *Constructing confidence interval of any parameters in structural equation modeling*. Presentation given at the Quantitative Professional Seminar at the Department of Psychology, Illinois State University.
- Pornprasertmanit, S.** & Schneider, W. J. (October, 2009). *Sample size estimation for two-group cluster randomized designs*. Presentation given at the Quantitative Professional Seminar at the Department of Psychology, Illinois State University.
- Pornprasertmanit, S.** (January, 2009). *Sample size for desired accuracy in Cohen's d estimation in multilevel designs*. Presentation given at the Quantitative Professional Seminar at the Department of Psychology, Illinois State University.
- Pornprasertmanit, S.**, Iamsupasit, S., Sutthiwan, P., Pisitsugkagarn, K., Ariyabuddhipongs, K., Laopoonphat, C., et al. (October, 2008) *The evaluation results of students' moral enhancement projects*. Presentation given at the Thai Ministry of Education, Thailand.
- Pornprasertmanit, S.**, Iamsupasit, S., Sutthiwan, P., Pisitsugkagarn, K., Ariyabuddhipongs, K., Laopoonphat, C., et al. (December, 2007) *The progress report of the evaluation project of students' moral enhancement projects*. Presentation given at the Thai Ministry of Education, Thailand.
- Pornprasertmanit, S.**, Iamsupasit, S., Sutthiwan, P., Pisitsugkagarn, K., Ariyabuddhipongs, K., Laopoonphat, C., et al. (August, 2007) *The data collection for the evaluation project of students' moral enhancement projects*. Presentation given at the Thai Ministry of Education, Thailand.
- Pornprasertmanit, S.** (September, 2007). *How to test and assess student morality*. Invited presentation at the Conference of the Moral Development, Ministry of Education, Bangkok, Thailand.
- Pornprasertmanit, S.** (August, 2007) *Descriptive statistics*. Presentation given for the job talk at the Faculty of Psychology, Chulalongkorn University, Thailand.

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UNPUBLISHED WORKS

Pornprasertmanit, S., Ariyabuddhipongs, K., Sutthiwan, P., Iamsupasit, S., Pisitsugkagarn, K., & Laopoonphat, C. (2007). *Decision making test for personnel selection*. Unpublished manuscript, Kasikornthai Bank, Bangkok, Thailand.

GRANTS RECEIVED

Pornprasertmanit, S., (2008: Co-PI). *Developing a Thai mindfulness scale*. Funded by the Faculty of Psychology, Chulalongkorn University, April 2008.

Pornprasertmanit, S., (2007: Co-PI). *The evaluation project of students' moral enhancement attempts*. Funded by the Thai Ministry of Education. July 2007.

Pornprasertmanit, S., (2007: Co-PI). *Meta-analysis of Thai educational quality*. Funded by the Thai Ministry of Education. November 2007.

Pornprasertmanit, S., (2007: Co-PI). *The development of a decision making test for personnel selection*. Funded by the Kasikorn Bank. March 2007.

AWARD

- **Travel Award** by Society of Multivariate Experimental Psychology, 2012.
- **Travel Award** by CRMDA, University of Kansas, 2012.
- **Travel Award** by American Psychological Association, 2011.
- **First Class Honors with *Gold Medal Award for Academic Distinction***, Bachelor of Science in Psychology, Faculty of Psychology, Chulalongkorn University, 2006 (Equivalent to *Summa Cum Laude* with *Top Rank* in Graduating Class)

SOFTWARES

simsem package for R

semTools package for R

PAWS: Power Analysis and Width of Confidence Interval for Sample Size Estimation

Contributions for the *MBESS* package for R

TEACHING EXPERIENCE

Lecturer (Graduate Courses in Chulalongkorn University)

- Psychological Testing and Measurement: Spring 17, Spring 18, Spring 19
- Statistics for Psychology I: Fall 15
- Introduction to R: Spring 16

- Introduction to Simulation in R: Summer 15
- Intermediate Simulation in R: Fall 15

Lecturer (Undergraduate Courses in Chulalongkorn University)

- Introduction to Statistics for Psychology: Spring 07, Spring 08; Summer 09
- Intermediate Statistics for Psychology: Fall 07, Spring 16
- Psychological Testing and Measurement: Spring 07, Spring 08
- Computer Applications in Psychology: Fall 07, Fall 06
- Human Relations: Fall 07, Spring 07, Fall 06

Laboratory Teacher (Graduate Courses)

- Structural Equation Modeling: Fall 12
- Multilevel Modeling: Spring 13
- Analysis of Variance: Spring 14
- Introduction to Simulation in R: Summer 15
- Statistics for Psychology I: Fall 15
- Intermediate Simulation in R: Fall 15

Laboratory Teacher (Undergraduate Courses)

- Reasoning in Psychology Using Statistics (ISU): Fall 08, Spring 09, Fall 09, Spring 10
- Psychological Testing and Measurement (CU): Spring 06
- Cognitive Psychology: Spring 07, Spring 08

COMPUTER PROFICIENCY

Data Analysis: R, Mplus, LISREL, SPSS, SAS, HLM, Mx, Matlab
Programming Visual Basic, Java, R, C++

PROFESSIONAL AFFILIATIONS

APA Division 5: Evaluation: Measurement, and Statistics (2009-Present)
 American Psychological Society (2012-2014)

PROFESSIONAL SERVICES

Reviewers (Journals): Psychological Methods
 Multivariate Behavioral Research
 International Journal of Behavioral Development

Journal of Educational Psychology
Reviewers (Presentations): Society of Multivariate Experimental Psychology
Workshop: R statistical computing environment (2010-2014)
High performance computing (2011-2012)
lavaan (2012)
R for ANOVA and multiple regression (2013)
Statistical Consultant: CRMDA, University of Kansas (2010-2014)
IMMAP, Texas Tech University (2014)
Testing Consultant: Thai Cement Company (2005-2006)
Ministry of Information and Communication Technology,
Thailand (2007)
Kasikornthai Bank (2007)
Ministry of Education, Thailand (2007-2008)
Office of the Civil Service and Commission, Thailand (2015-
Present)

REFERENCES

Available upon request