Tuan H. Nguyen

CONTACT INFORMATION

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EDUCATION

Rutgers University, Piscataway, New Jersey, USA.

Ph.D. Candidate, Statistics (expected graduation date: Dec 2012).

Dissertation: *Random covering in high dimension by a union of scaled convex sets.*
Advisor: Lawrence A. Shepp

M.S., Statistics, May 2008.

University of Arizona, Tucson, Arizona, USA.

B.S., Mathematics / Computer Science , August, 2005

PUBLICATIONS

Hempstead, K., David-Rus, R., Nguyen, T., and Jacquemin, B. Men, Health, Guns, and Suicide.*Suicide and Life Threatening Behavior*, accepted.

Chen, A., Cao, J., Shepp, L., and Nguyen, T. (2011) Distinct counting with Self-learning Bitmap, *Journal of the American Statistical Association*, 106(495): 879-890.

Nguyen, T., Cabrera, J., and Pinheiro, J. (2010) Results of a simulation of modeling and nonparametric methodology for count data in drug studies, *Proceedings of* 66^{th} *Annual Deming Conference on Applied Statistics.*

PAPERS IN PREPARATION

Miller, M., Hempstead, K., Nguyen,T., Baber, C., Azrael, D., and Rosenberg-Wohl, S. Methods and medical severity of non-fatal self-harm as predictors of subsequent suicide and self-harm among a cohort of US adults.

Barber C, Azrael D, Hempstead K, Nguyen T, Miller M. Predictors of unintentional injury death and suicide among an index cohort of adults hospitalized for deliberate self-poisoning.

Hempstead, K., DeLia, D, and Nguyen, T. The fragmentation of hospital use among a cohort of high utilizers.

Nguyen, T. Random covering in $\mathbb{R}^d$ by a union of scaled convex sets.

HONORS AND AWARDS

Deming Student Scholar Award
Deming Conference on Applied Statistics, 2010.

CONFERENCE PRESENTATIONS

Nguyen, T., Cabrera, J., and Pinheiro, J. *Modeling and nonparametric methodology for count data in drug studies.* 66^{th} Annual Deming Conference on Applied Statistics, December 2010.

Nguyen, T. *Random covering in* $\mathbb{R}^d$ *by a union of scaled convex sets.* 6^{th} Cornell Probability Summer School, Cornell University, July, 2010.

Nguyen, T. *Random covering in $\mathbb{R}^d$ by a union of scaled convex sets.* 4^{th} Annual Graduate Student Conference in Probability, Duke University, April, 2010.

Nguyen, T., Cabrera, J., and Pinheiro, J. *Results of a simulation of modeling and nonparametric methodology for count data in drug studies.* 2010 Rutgers Biostatistics Day, Rutgers University, April 2010. (Poster)

Teaching Experience

Department of Statistics and Biostatistics, Rutgers University.

Instructor **2008 - 2011**

Intermediate Statistics Analysis/Applied Basic Statistics, Fall 2011.
Intermediate Statistics Analysis/Applied Basic Statistics, Spring 2011, 50% of time.
Applied Basic Statistics, for 3 summers 2008 - 2010.

Teaching Assistant **2009 - 2010**

Regression Methods, Fall 2010.
Introductory statistics for Business, Spring 2010.
Applied Basic Statistics, Spring 2009.

Kreeger Learning Center, Rutgers University.

Tutor **September 2006 - June, 2008**

All undergraduate level mathematics courses, including Calculus, Differential Equations, Probability Theory, and Mathematical Statistics.

Research Experience

Center for State Health Policy, Rutgers University

Data Analyst **2012 - Current**

Analyzed data for a study on the fragmentation of hospital utilization.

Center for Health Statistics, NJ Department of Health and Senior Services.

Health Data Specialist **2010-2012**

- Analyzed data for a study on the cohort of non-fatal suicide attempters.
- Analyzed data for a study on the relationship between masculinity and suicides.
- Prepared a data set on siblings of autistic children in New Jersey.
- Evaluated new weighting methodology for NJ Behavioral Risk Factor Surveillance System.

Department of Statistics and Biostatistics, Rutgers University.

Research Assistant **2008 - 2009**

Conducted a simulation study for longitudinal data analysis of count data in clinical trials.