

Vinh Q. Nguyen

Curriculum Vitae

Contact

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Research Interests

Robust statistical methods, survival analysis, sequential testing, issues in clinical trials, prediction, applications to Alzheimer's Disease

Education

Ph.D., Statistics, 2006–2011
University of California, Irvine
Irvine, CA

Thesis: *Robust Inference and Group Sequential Methods for Discrete Hazard Models*
Advisor: Prof. Daniel L. Gillen

M.S., Statistics, 2006–2007
University of California, Irvine
Irvine, CA

B.S., Mathematics and B.A., Economics, *Magna Cum Laude*, 2003–2006
University of California, Irvine
Irvine, CA

Professional Experience

Appointments

2011 - present: Assistant Professor in Residence, Department of Statistics, University of California, Irvine

2011 - present: Director, Center for Statistical Consulting, University of California, Irvine

Collaborative Research / Committees

2011 - present: Member, Data and Statistics Core, Alzheimer's Disease Research Center, University of California, Irvine

Honors, Academic Awards and Fellowships

Achievement Rewards for College Scientists (ARCS) Fellowship, 2010-2011

National Insitute on Aging - Training Grant 5 T32 AG00096-27, 2009-2011

Joint Statistical Meeting (JSM) Student Paper Winner in the Health Policy Statistics Section, 2011

WNAR (International Biometric Society), Student Paper Winner (1st in oral presentation), 2009

Phi Beta Kappa, Jun. 2006

Economics Honors Program (UC Irvine), Jun. 2006

Golden Key International Honour Society, Mar. 2005

Employment

- 4/2009–4/2011 Research Assistant
Alzheimer's Disease Research Center
University of California–Irvine
Responsibilities: *Collaborative research and consulting; data management; data analysis; manuscript preparations*
Accomplishments: 2 publications in the field of Alzheimer's Disease
- 5/2010–7/2010 Biostatistics Intern
Genentech-Roche
South San Francisco, CA
Projects: *Evaluation of surrogate endpoints to reduce the time-to-market for drug development*
- 6/2008–8/2008 Biostatistics Intern
Biogen Idec
San Diego, CA
Projects: *Optimal Phase II/III Strategies; Implementation of Non-binding Futility in Group Sequential Trials*
- 12/2006–5/2009 Statistical Intern
Experian
Costa Mesa, CA
Projects: *Predictive modeling for clients; prototype models for internal projects; benchmark model-building process*
- 1/2006–11/2006 Actuarial Intern
Balboa Insurance Group
Irvine, CA

Research

Statistics

- Nguyen, V. Q. and Gillen, D. L. Interim monitoring of the censoring-robust estimator in semi-parametric hazard models. (in progress).
- Nguyen, V. Q. and Gillen, D. L. Robust inference in semiparametric discrete hazard models. (in progress).
- Nguyen, V. Q. and Gillen, D. L. Robust inference in semiparametric survival models for observational studies. (in progress).

Interdisciplinary

- Astarita, G., Jung, K.-M., Berchtold, N. C., Nguyen, V. Q., Gillen, D. L., Head, E., Cotman, C. W., and Piomelli, D. (2010). Deficient liver biosynthesis of docosahexaenoic acid correlates with cognitive impairment in Alzheimer's disease. *PLoS One*, 5.
- Lott, I., Doran, E., Nguyen, V. Q., Tournay, A., Head, E., and Gillen, D. L. (2011). Alzheimer's disease in down syndrome: a randomized, controlled trial of antioxidant supplementation. *Am J Med Genetics A*, 155:1939–1948.

Lott, I., Doran, E., Nguyen, V. Q., Tournay, A., Movsesyan, N., and Gillen, D. L. (2012). Down syndrome and dementia: Seizures and cognitive decline. *J Alzheimers Dis*.

Shepard, E., Nguyen, V. Q., Dyck, M., and Gillen, D. L. On the association of NPI-Q with functional impairment and progression to dementia in aging older adults. (in progress).

Professional Memberships

American Statistical Association (2006–present)

International Biometric Society (2008–present)

Institute of Mathematical Statistics (2008–present)

Professional Service

Statistics Journal Reviewer

– *Journal of the American Statistical Association*

Academic Service

Member, Computing & Network Policy Committee, Donald Bren School of Information and Computer Sciences, UCI (2011–present)

Teaching

Course Development

University of California, Irvine

– N/A

Formal Teaching

University of California, Irvine

– TA, Introductory Statistics (Summer 2007, Fall 2008)

– TA, Introductory Statistics for Biological Science majors (Winter 2009)

– TA, Introduction to Probability and Statistics for Computer Science majors (Summer 2007)

– TA, Introduction to Probability and Statistical Theory (first and third quarter of three-quarter sequence, Fall 2007 and Spring 2008)

Math ConXept Center, Garden Grove, CA

– Instructor, Trigonometry (Summer 2009)

– Substitute Instructor, Geometry (Summer 2009)

Presentations

National and International Meetings

JSM, “Robust Inference in Discrete Hazard Models for Randomized Clinical Trials” (Miami Beach, FL; Aug 2011)

WNAR, “Continuous Vs. Discrete Methods for Grouped Proportional Hazards Data” (San Luis Obispo, CA; Jun 2011)

WNAR, “Robust Inference in Semi-parametric Survival Models for Observational Studies” (Seattle, WA; Jun 2010)

WNAR, “Robust Inference in the Discrete-Time Proportional Hazards Model” (Portland, OR; Jun. 2009)

Local Seminars

Statistical Issues in Clinical and Basic Science Research seminar series, “Censoring-robust Inference in Semi-parametric Hazard Models” (UC Irvine; Jan. 2011)

UCI R Seminar Series, "Parallel Computing with R using snow and snowfall" (UC Irvine; Nov. 2009)
UCI R Seminar Series, "Sweave: Combining R and \LaTeX " (UC Irvine; May 2009)

Grants

N/A

January 11, 2012