

## Educación

- PhD en Estadística, Agosto 2005, University of South Carolina, Columbia, SC, USA
- Ing. en Estadística Informática, Junio 1999, Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador

## Experiencia Profesional

- Profesor auxiliar, 2010-presente. Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador.
- Temporary Research Assistant Professor, 2010-present. Clemson University, Clemson, SC, USA.
- Assistant Professor, 2006-2010. Clemson University, Clemson, SC, USA.
- Postdoctoral Fellow, 2005-2006. Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC, USA.
- Postdoctoral Fellow, 2005-2006. National Institute of Statistical Sciences, Research Triangle Park, NC, USA.
- Teaching Assistant, 2004-2005. University of South Carolina, Columbia, SC, USA.
- Research Assistant, 2002-2005. University of South Carolina, Columbia, SC, USA.
- Instructor, 1999-2001. Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador.
- Statistician and Programmer, 1998-1999. Exportadora Bananera Noboa, Guayaquil, Ecuador.

## Publicaciones

### Publicaciones en Revistas con Revisores Externos

- [1] A. Karr, W. Fulp, F. Vera, S. Young, X. Lin, and J. Reiter. Secure, privacy-preserving analysis of distributed databases. *Technometrics*, 49:335–345, 2007.
- [2] F. Vera and J. Lynch. K-mart stochastic modeling using iterated total time on test transforms. In A. Wilson, N. Limnios, S. Keller-McNulty, and Y. Armijo, editors, *Modern Statistical and Mathematical Methods in Reliability*, volume 10 of *Series on Quality, Reliability and Engineering Statistics*, chapter 28, pages 395–409. World Scientific, 2005.

- [3] F. Vera and J. Lynch. Generalized convex stochastic orderings and related martingale-type structures. *Advances in Applied Probability*, 39:105–127, 2007.

## Presentaciones

- "Detección de Contaminación y el Teorema del Límite Central Generalizado", Décimosexta Jornada en Estadística Informática, Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador. (Octubre 13, 2010)
- "Multiple Testing Strategy for Detecting Spurious Observations: Implementation, examples and simulations", 33rd SIAM Southeastern-Atlantic Section Conference, Columbia, SC. (Abril 4, 2009)
- "Estadísticas Seguras", Décimoquinta Jornada en Estadística Informática, Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador. (Octubre 17, 2008)
- "Secure Statistics Software for Horizontally Partitioned Data", Summer Research Conference on Statistics, Kerrville, TX, USA. (Junio 7, 2006)
- "Secure Statistics Software for Horizontally Partitioned Data", Data Confidentiality Mid-Year Workshop, National Defense and Homeland Security SAMSI working group, CDC and NCHS, Hyattsville, MD (Marzo 13, 2006)
- "Data Confidentiality: Secure Statistics Software for Horizontally Partitioned Data", First Annual Conference on Quantitative Methods and Statistical Applications in Defense and National Security, Santa Mónica, CA, USA. (Febrero 15, 2006)
- "Feature Based Density Estimation", Anomaly Detection Mid-Year Workshop, National Defense and Homeland Security SAMSI working group, CDC and NCHS, Hyattsville, MD, USA. (Febrero 3, 2006)

## Enseñanza

### Escuela Superior Politécnica del Litoral

- Pregrado: Estadística para ingeniería, Geoestadística, Tratamiento Multivariado de Datos, Modelos Lineales Generalizados, Fundamentos de Computación, Análisis de Algoritmos y Estructuras de Datos, Análisis numérico, Análisis de variable real, Estadística matemática, Investigación de operaciones.
- Postgrado: Teoría de la Probabilidad, Teoría de Respuesta al Ítem, Modelos Estadísticos para Procesos Biológicos, Series de Tiempo, Procesos Estocásticos, Ingeniería de la Calidad, Pronóstico de la Demanda.

## **Clemson University**

- Pregrado: Statistics for Science and Engineering, Theory of probability, Statistical Theory and Methods II, Regression and time series analysis.
- Postgrado: Data Analysis, General Linear Hypothesis I.

## **University of South Carolina**

- Pregrado: Statistical Methods II
- Postgrado: Reliability and Life Tests

## **Dirección de Tesis**

### **Maestría**

- James Wilson, "Maximim Likelihood Estimation of a Hidden Markov Random Field". Clemson University, Clemson, SC, USA. (Mayo 2010)
- Ming He, "Maximum Likelihood Estimate of an Integrated Volatility Matrix of Large Size for Markov Random Fields". Clemson University, Clemson, SC, USA. (Mayo 2010)

## **Honores y Premios**

- Clint Miller Best Poster Award, Southern Regional Council on Statitics, June 2005
- R. L. Anderson Student Paper Award, Southern Regional Council on Statistics, June 2005
- Outstanding Graduate Student Researcher Award, University of South Carolina, April 2005
- Service Leadership Award, Students in Free Enterprize (SIFE), October 2004
- President's Volunteer Service Award, U.S. President George Bush, October 2004
- R. L. Anderson Student Paper Award, Southern Regional Council on Statistics, June 2004
- Excellence as a Graduate Research Assistant Award, University of South Carolina, April 2004
- Outstanding Statistics Graduate Award in Academics, University of South Carolina, April 2003

- Outstanding First Year Statistics Graduate Student Award, University of South Carolina, April 2002