

GUILHERME V. ROCHA

10,944 San Pablo Av. Apt. 234
Berkeley, CA 94530

gvrocha@stat.berkeley.edu
(510)-529-1517
<http://www.stat.berkeley.edu/users/gvrocha>

INTERESTS

Data analysis and modeling, Statistical algorithms development and implementation

EDUCATION

Ph.D. Candidate, Statistics May 2008 (Expected)
University of California, Berkeley

- Advisor: Prof. Bin Yu
- Designed statistical methods and algorithms for high-dimensional data

M.Sc., Economics January 2003
Getulio Vargas Foundation, Rio de Janeiro, Brazil

- Advisor: Prof. Renato Flôres
- Designed a theoretical framework for comparing two multivariate unit-root tests

B.A. Mechanical Engineering, January 1999
University of Sao Paulo, Sao Paulo, Brazil

EXPERIENCE

Research Assistant Fall 2004 - Present
University of California, Berkeley

- Developed stabilization methods for fitting statistical models to high dimensional data
- Implemented algorithms for modeling high dimensional data (MatLAB)

Systems Analyst and Programmer Jul. 1998 - Dec. 2000
Interprint and Aspen Software, Sao Paulo, Brazil

- Designed a system for managing application process to driver's licenses (Visual Basic, SQL)
- Designed and maintained system for managing fiscal documents (Visual Basic, PL-SQL)

Undergraduate Programming Intern Jan. 1995 - Dec. 1998
University of Sao Paulo, Sao Paulo, Brazil

- Implemented software for the analysis of stress on a submarine cable (C++, C)

ACTIVITIES

- Organizer of the Statistics Department Student Seminar
- Referee for Biometrics, Annals of Applied Statistics

SKILLS

- Computer Languages: MatLAB, SQL, Visual Basic, C, C++, Pascal, R, S-plus
- Languages: Fluent Portuguese