

ALVARD ARAZYAN

Work:

64 Cummington Mall, Room235
Boston University
Boston, MA 02215
Office Phone: (617) 353-0918
Email Address: araz@math.bu.edu

Education

Ph.D. (Statistics/ Mathematics): University of Louisiana at Lafayette, LA (August 1998 – May 2002). GPA = 3.76 / 4.00 Title: Reliability of Series / Parallel Systems

M.S. (Statistics/ Mathematics): University of Louisiana at Lafayette, Lafayette, LA (August 1998 – December 1999) GPA = 3.83 / 4.00

M.S. (Industrial Engineering and Systems Management): American University of Armenia, Yerevan, Armenia (August 1996 – October 1998) GPA = 3.93 / 4.00 (highest GPA among graduates from the IE department in 1998)

B.S. (Applied Mathematics and Computer Science): Yerevan State University (YSU), Yerevan, Armenia (September 1989 – May 1994) GPA = 5.00 / 5.00

High School Diploma: YSU's High School for Gifted and Talented, Specializing in Mathematics and Physics, Yerevan, Armenia (September 1986 - June 1989) GPA = 4.93 / 5.00

Teaching and Other Experience

Member of the RULE committee

(September 2010-Present) RULE project and grand focuses on the teaching of calculus at Boston University.

Lecturer in the Department of Mathematics and Statistics at Boston University, Boston, MA

(September 2004 - Present) Courses teaching: Linear Algebra, Calculus I, II, & III, Calculus for the Life and Social Sciences I & II, Elementary Statistics, Applied Statistics, Intermediate Statistical Methods

Mathematics Instructor at Duke University, Durham, NC

(July 2002 - August 2004) Courses taught: Intermediate Calculus, Laboratory Calculus

Teaching Assistant at the University of Louisiana at Lafayette, Lafayette, LA

(August 1998 - May 2002) Courses taught (full charge): Elementary and Intermediate Algebra, College Algebra, Decision Mathematics, Pre-Calculus, Elementary Statistics using TI-83 Graphing Calculators

Mathematics and Statistics Tutor at Math Lab at University of Louisiana at Lafayette, Lafayette, LA (August 1998 May 2002)

Research Assistant at the American University of Armenia, Yerevan, Armenia (August 1996 – October 1998)

Research Topic: Statistical Analysis of data obtained from solar monitoring system at the American University of Armenia

Membership in Professional Organizations

American Mathematical Society (**AMS**)

Association for Women in Mathematics (**AWM**)

Research Publications

A. Arazyan and N. Pal. Inferences on the Reliability of the Series System, (Multi-component Case). Journal of Statistical Computation and Simulation. Vol. 76, No. 1, January 2006, 1-20

A. Arazyan and N. Pal. On the Reliability of a Two-Component Series System, Journal of the Indian Statistical Association. Vol. 41, 1, 2003, 47-71

A. Arazyan and N. Pal. Estimation of the Smaller and Larger of Two Exponential Scale Parameters. JASS vol. 11 #2, 2002, 157-172.

R. B. Kearfott and A. Arazyan. Taylor Series Models in Deterministic Global Optimization. In G. F. Corliss, editor, Proceedings of Automatic Differentiation 2000: From Simulation to Optimization, New York, 2000. Springer-Verlag.

R. B. Kearfott and A. Arazyan, *Taylor Series Models in Deterministic Global Optimization*, in *Automatic Differentiation of Algorithms: From Simulation to Optimization*, the Third International Conference and Workshop on Automatic Differentiation, June 19-23, 2000, Nice, France), ed. G. Corliss, Ch. Faure, A. Griewank, L. Hascoët, and U. Naumann, Springer Verlag, New York, etc., 2002, pp. 365–372.

Research Presentations

Inferences on the Reliability of a Series System, 2002 Joint Mathematics Meeting in San Diego

Estimation of the Smaller and Larger of Two Exponential Scale Parameters, 954th American Mathematical Society Meeting, Lafayette, LA (April 14, 2000)

Statistical Analysis of Data Obtained From Solar Monitoring System at the American University of Armenia, Yerevan, Armenia (Spring 1998)

Computer Skills and Software

Programming languages: Fortran 90 (with IMSL stat library), HTML, Pascal

Statistical programming language and software: SAS, MINITAB, Splus

Mathematical and other software: Mathematica, Microsoft Word, Excel, Access, PowerPoint, TI Graphing calculators

Mathematical typesetting programs: Scientific Workplace, LaTeX, WinEdit

Honors and Awards

Teaching Assistantship Award and tuition waiver for graduate study at the University of Louisiana at Lafayette (August 1998-present)

Research Assistantship Award and tuition waiver for graduate study at the American University of Armenia (December 1996-August 1998)

Highest Stipend Award for undergraduate study at the Yerevan State University (December 1989 – May 1994)

Languages

Fluent in Armenian, English, and Russian

References

Professor Glen R. Hall, Department of Mathematics and Statistics, Boston University, Boston, MA 02215, Phone: (617) 353-9542.

E-mail: rockford@bu.edu

Professor Steve Rosenberg, Department of Mathematics and Statistics, Boston University, Boston, MA 02215, Phone: (617) 353-9556.

E-mail: sr@bu.edu

Lewis D. Blake, Associate Professor of the Practice and Supervisor of First Year Instruction, Mathematics Department, Duke University, Durham, NC 27708-0320, Phone: (919) 660-2857.

E-mail: blake@math.duke.edu

Professor N. Pal (Ph.D. Advisor), Department of Mathematics, University of Louisiana at Lafayette, LA 70504 – 1010, Phone: (337) 482 – 5279.

E-mail: nxp3695@louisiana.edu

Professor K. Krishnamoorthy, Department of Mathematics, University of Louisiana at Lafayette, LA 70504 - 1010, Phone: (337) 482 - 5283

E-mail: krishna@louisiana.edu

Professor R. Baker Kearfott, Department of Mathematics, University of Louisiana at Lafayette, LA 70504 – 1010, Phone: (337) 482 - 5270

E-mail: rbk@louisiana.edu

Dr. Patricia Beaulieu, Department of Mathematics, University of Louisiana at Lafayette, LA 70504 – 1010, Phone: (337) 482 – 6704

E-mail: pwb0555@louisiana.edu