

CURRICULUM VITAE

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Education

August 2005 Ph.D. in Statistics, University of Connecticut, Storrs, CT
December. 2002 M.S. in Statistics, University of Connecticut, Storrs, CT
Mar. 1996 – Feb. 1998 Ph.D. program in Statistics, Pusan National University, Pusan, Korea
February 1996 M.S. in Statistics, Pusan National University, Korea.
February 1994 B.A. in Statistics, Pusan National University, Korea

Work Experiences

Sep. 2005 – present Assistant Professor, Department of Mathematical Sciences, University of Cincinnati, Cincinnati, OH
Sep. 2004 – Aug. 2005 Graduate Assistant (R.A.), Department of Statistics, University of Connecticut, Storrs, CT. Developing Bayesian methods for analyzing genetic diversity. Research supported by the National Institute of Health.
Sep. 2001 – Aug. 2005 Graduate Assistant (T.A.), Department of Statistics, University of Connecticut, Storrs, CT.
May 2004 – Aug. 2004 ING center for Financial Services in Marketing Department, University of Connecticut, Storrs, CT. Duties included developing statistical model on predicting Customer Lifetime Value (CLV) in IBM project.
Jun. 2003 – Aug. 2003 Summer-Intern of Boehringer-Ingelheim Pharmaceutical Inc. at Ridgefield, CT. Duties included developing SAS code for clinical trials.
Sep. 2000 – May 2001 Part-time Lecturer, Department of Statistics, Pusan National University, Pusan, Korea
Mar. 1996 – Feb. 1998 T.A., Administrator on Computer lab, Department of Statistics, Pusan National University, Pusan, Korea

Journal Publications

I. Published Articles

- [1] Chung, Y., Kim, C. and **Song, S.** (1998) Linear estimators of a Poisson mean under balanced loss functions, *Statistics and Decisions*, 16, 245-257.
- [2] **Song, S.**, Dey, D. K. and Holsinger, K. E. (2006) Hierarchical Models with Migration, Mutation, and Drift: Implications for genetic inference. *Evolution*, 60(1), 1-12.
- [3] Jang, J., Chung, Y., Kim, C. and **Song, S.** (2008) Bayesian meta-analysis using skewed elliptical distributions. To appear at *Journal of statistical computation and simulation*.

II. Proceedings Articles

- [1] Kong, Y., Lee, S., Lowe, B. D. and **Song, S.** (2007) Evaluation of various handle grip spans for optimizing finger specific force based on the users' hand sizes, *Proceedings of the Human Factors and Ergonomics Society 51st Annuals Meeting - 2007*

III. Submitted Articles

- [1] **Song, S.**, Dey, D. K. and Holsinger, K. E. (2006) Genetic Diversity of Microsatellite Loci in Hierarchically Structured Populations. Submitted to *Genetics*, under revision.
- [2] Kim, C., Chung, Y. and **Song, S.** (2006) Bayesian Estimation of the Parameters of the Generalized Exponential Distribution from Doubly Censored Samples. Submitted to *Statistical Papers*.
- [3] Singh, D.P., Park, W., Huston, R.L. and **Song, S.** (2006) Quantitatively representing balance strategies of human motions. Submitted to *Computers in Biology and Medicine*.
- [4] Lee, S., Kong, Y, Lowe, B. D. and **Song, S.** (2007) Handle grip span for optimizing finger force capability as a function of hand size, Submitted to *Ergonomics*.
- [5] Rimler, M., **Song, S.** and Yi, D. T. Estimating Production Efficiency in Men's College Basketball: A Bayesian Approach, Submitted to *Applied Economics*.

IV. Articles under Preparation

- [1] **Song, S.**, Dey, D. K. and Holsinger, K. E. Bayesian Inference for Estimating Migration Rate, Mutation Rate and Population Size in Microsatellite Loci, *in preparation*.
- [2] Chung, Y., **Song, S.**, Dey, D. K. and Erkanli, A. Bayesian Analysis of Longitudinal Binary Data Using Markov Regression Models with Skewed Links, *in preparation*.
- [4] Yi, D. T. and **Song, S.** Managerial Incentives and Charity Efficiency, *in preparation*.
- [5] Kim, H., **Song, S.** and Hwang, C. An Efficient Binding Update Scheme Applied to the Server Mobile Node and Multicast in the MIPv6, *in preparation*.

Invited Presentations

[1] Department of Statistics, Pusan National University, Pusan, Korea (Republic of), Dec. 2005

[2] Department of Mathematics and Statistics, Wright State University, Dayton, OH, Nov. 2006

Conference Presentation

[1] New England Statistical Symposium (NESS), Harvard University, Boston, MA, April 2004

[2] Joint Statistical Meetings, Toronto, Canada, August 2004

[3] New England Statistical Symposium (NESS), University of Connecticut, Storrs, CT, April 2005

[4] Joint Statistical Meetings, Minneapolis, MN, August 2005

[5] Valencia/ISBA Eighth World Meeting on Bayesian Statistics, Alicante, Spain, June 2006

[6] Joint Statistical Meetings, Seattle, WA, August 2006

Honors and Awards

[1] Gottfried Noether Award for best performance in Mathematical Statistics,
Department of Statistics, University of Connecticut, December 2002.

[2] H. Fairfield Smith Award for best performance in Applied Statistics,
Department of Statistics, University of Connecticut, December, 2002.

[3] Travel Award from Bioinformatics Research Center at North Carolina State University
to attend the Summer Institute in Statistical Genetics, June 2002

[4] Appreciation for the Best Performance in Inference,
Department of Statistics, University of Connecticut, December 2003.

[5] Travel Award from the Section on Bayesian Statistical Sciences of the ASA
to present a paper at JSM 2004, Toronto, Canada, August 2004.

[6] International Conference Travel Grant from TAFT Research Center at University of Cincinnati
to attend Valencia 8/ISBA meeting at Benidorm, Spain, June, 2006.

[7] Travel Award from International Bayesian Statistical Association to attend Valencia 8/ISBA
meeting at Benidorm, Spain, June 2006.

[8] Domestic Conference Travel Grant from TAFT Research Center at University of Cincinnati to
attend Joint Statistical Meetings, Seattle, WA, Aug. 2006.

[9] TAFT Summer Fellowship 2007 in the amount of \$6,500.

Teaching Activities

Course Number : Title	Level	Effectiveness	Evaluation	Teacher Attitude
15 MATH 361 05A: Probability and Statistics I	Undergrad.	4.30	4.45	4.75
15 MATH 521 05A: Mathematical Statistics I	Grad.	4.76	4.52	4.68
15 MATH 362 06W: Probability and Statistics II	Undergrad.	4.43	4.64	4.57
15 MATH 522 06W: Mathematical Statistics II	Grad.	4.49	4.41	4.61
15 MATH 523 06S: Mathematical Statistics III	Grad.	4.23	4.29	4.35
15 MATH 147 06U: Elementary Prob. and Stat. I	Undergrad.	3.77	3.64	3.60
15 MATH 361 06A: Probability and Statistics I	Undergrad.	3.79	3.83	4.17
15 MATH 521 06A: Mathematical Statistics I	Grad	4.52	4.58	4.58
Overall		4.29	4.30	4.41

Services and Professional Activities

- [1] Chair of the session, “Bayesian Modeling and Analysis of Medical and Environmental Data” at JSM 2005, Minneapolis, MN, August 2005.
- [2] Organize Statistics seminar in Winter quarter 2006 and Spring quarter 2006.
- [3] Chair of the session, “Contributed Paper II” at AMS Fall Central Section Meeting, Cincinnati, OH, October 2006.
- [4] Master Thesis Committee Member of Jaiganesh Ramachandran (Department of Mechanical, Industrial and Nuclear Engineering) with title “Characterization of the Obese Population Based on Anthropometry and Range of Motion Data and their Design Implications.
- [5] Journal Referee Service for Statistical Methodology.

Membership of Professional Organizations

- [1] American Statistical Association
- [2] Institute of Mathematical Statistics