

Dongmei Li: Curriculum Vitae

Contact Information

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Research Interests

- Multiple Comparisons
- Resampling methods
- Clinical trials
- interdisciplinary area between statistics and biology

Education

Ph.D. Candidate, Biostatistics, The Ohio State University (March 2006 - present; expected graduation date: August 2008)

- Thesis Topic: Small Sample Behavior of Resampling methods
- Advisor: Professor Jason C. Hsu
- Area of Study: Multiple Comparisons

M.S., Statistics, The Ohio State University (March 2006)

M.S., Biophysics, China Agricultural University, Beijing, P.R.China (July 2001)

B.S., Pomology, Laiyang Agricultural College, Laiyang, P.R.China (July 1998)

Research Experience

The Ohio State University, Columbus, Ohio USA

Graduate Research Associate January 2007 to Present

- Department of Human Nutrition, The Ohio State University.

Working on project of Womens Diabetes Study to identify the supplement CLA effect on body mass and other related endpoints. Co-author of two interdisciplinary papers (submitted).

September 2006 to December 2006

- Department of Horticulture and Crop Science, The Ohio State University.

Working on tomato flower bud, flower and fruit microarray data analysis and providing analysis results and reports.

September 2006 to Present

- Department of Plant Cellular and Molecular Biology, The Ohio State University.

Working on Arabidopsis microarray data analysis and ChIP-chip data analysis on one transcription factor involved in plant development.

Graduate Research Associate September 2001 to December 2003

- Department of Horticulture and Crop Science, The Ohio State University.

Study the sugar signal transduction pathway using molecular biology techniques.

Teaching Experience

The Ohio State University, Columbus, Ohio USA

Graduate Teaching Assistant September 2007 to Present

- Instructor of Stat245 (Introduction to Statistics Data Analysis) recitation.
- Instructor of Stat135 (Elementary Statistics) recitation.

Grade Homework assignments and exams and tutor individual students.

Grader March 2007 to August 2007

- Grade Homework assignments for Stat427(Introduction to Probability and Statistics-I).
- Grade Homework assignments for Stat651 (Survey Sampling Methods).
- Grade Homework assignments for Stat661 (Applied Nonparametric Statistics).
- Grade Homework assignments for Biostat615 (Design and Analysis of Clinical Trails).

Consulting Experience

The Ohio State University, Columbus, Ohio USA

Consulting January 2005 to December 2006

- Student manager in Statistics Consulting Service, Department of Statistics, 2006
- Consultant in Statistics Consulting Service, Department of Statistics, 2005
- Working on a lot of interdisciplinary projects involving graduate students' thesis research and faculties' working papers.

Awards

The Ohio State University

- Department of Statistics: The D.Ransom and Marian Whitney Award for Outstanding Consulting Effort for 2004-2005, 2005

China Agricultural University

- "Zhaoming Guo" Fellowship, 1999

Laiyang Agricultural College

- Outstanding Study Award, 1994-1998
- Outstanding Study Award by Department of Shandong Higher Education, 1996

Publications

Violeta Calian, Dongmei Li, and Jason C. Hsu (2007). Partitioning to Uncover Conditions for Permutation Tests to Control Multiple Testing Error Rates. *Biometrical Journal* (Submitted).

Dongmei Li and Jason C. Hsu (2007). Small Sample Behavior of Resampling methods (In preparation).

L Norris, A Collene, M Asp, LF Liu J Hsu, D Li, K Osei, R Jackson, MA Belury (2007). Conjugated Linoleic Acid Reduces Body Weight and Body Fat in Women with Type 2 Diabetes. *Experimental Biology* (Submitted).

L Norris, A Collene, M Asp, LF Liu J Hsu, D Li, K Osei, R Jackson, MA Belury (2007). Comparative Effects of Dietary Oils on Markers of Insulin Sensitivity in Women with Type 2 Diabetes. *Experimental Biology* (Submitted).

Z Xie, JR Lucas, K Morohashi, E Lee, D Li, FD Sack, E Grotewold (2007). The MYB Factor FLP Links Cell Cycle Control and Stomatal Specification. (In preparation for *Cell*).

Yuwen Li and Dongmei Li (2000). Promoting creativity in primary mathematics education. *ICME9 conference paper*.

Guizhi Yan and Dongmei Li (1996). Specific Property of Function $\frac{ax+b}{cx-a}$. *Journal of Shandong Normal University*.

Conference Presentations

"Small Sample Behavior of Resampling Methods". The Joint Statistical Meeting, Salt Lake City, 2007.

"Small Sample Behavior of Resampling Methods". The 30th Annual Midwest Biopharmaceutical Statistics Workshop, Muncie, 2007.

"Differential Gene Expression: Ischemic vs. Nonischemic". The Mathematical Biology Institute Workshop, Columbus, 2005.

Computer Skills

Statistics Packages: R, S-PLUS, SAS, Minitab, SPSS, STATA, Data Desk, StatCruch.

Operating System: Unix/Linux, Windows, Macintosh.

Service

Minister of Graduate Student Committee, College of Science and Technology, China Agriculture University, 2000-2001.

Minister of Undergraduate Student Study Committee, Department of Horticulture, Laiyang Agriculture College, 1996-1998.

Memberships

Institute of Mathematical Statistics

American Statistical Association

Reference

Professor Jason C. Hsu, Department of Statistics, The Ohio State University.
Tel: (614) 292-7663. Email: jch@stat.osu.edu

Professor Elizabeth A. Stasny. Department of Statistics, The Ohio State University.
Tel: (614) 292-0784. Email: eas@stat.osu.edu

Professor Tom Bishop. Department of Statistics, The Ohio State University.
Tel: (614) 688-0444. Email: tab@stat.osu.edu

Professor Martha A. Belury, Department of Human Nutrition, The Ohio State University.
Tel: (614) 292-1680. Email: belury.1@osu.edu

Appendix

List of consulting projects worked during Jan. 2005 - Dec. 2006.

Biology and Public Health

- Effectiveness of Herbicides Project.
- Plant Growth Studies Project.
- Disk Diffusion in Antimicrobial Susceptibility Testing Project.
- CD8 T Cell Production in Control of Tuberculosis Project.
- Green Roof Project.
- Movement Abilities of Children with ADHD Project.
- Effects on Rosiglitazone Treatment Project.
- Cardiac Patients Adjustment to Disease Project.

Nature Resource

- Public participation in Successful Environmental Risk Management Project.
- Effect of Vegetation on Soil/Net Carbons in Riparian Areas Project.
- Horizontal and Vertical Data Analysis Project.

Consumer and Textile Sciences

- Color perception project.
- Quota Removal in the Apparel Industry Project.

Psychology

- Analysis of Historical Black Colleges and Universities Project.
- Climate for Diversity Project.

Education

- Vocational Outcomes for the Visual Impaired Project
- Comparison the Ways of Knowing by Gender/Personality in African American Project.
- Comparison of Two Style of Learning with Gender/Personality Project.
- Read 180 Educational Reading Program Project.
- Ministry Mentoring and Retention Project.

Social Work

- Undergraduate Student Attitudes toward Homosexuality Project.
- Online Game Competition on Hostility Project.
- Affirmation and Correction Project.

Survey

- Off Campus Safety with U-Weekly Project.
- Graduate Student Satisfaction/Retention/Mismatch Project.
- Church Moving Survey Project.

Food Science and Technology

- Efficacy of High Pressure to Inactivate Spores Project.
- Texture and Chemical Analysis of Cheese Sample Project.

Engineering

- Indoor Air Quality of Swine Houses Project.
- Radio Signal Strength by Directional Antennas Project.
- Mechanical Properties of Materials in Engineering Project.

Language

- Spontaneous Speech of Catalan and German Children Project.

- Semantics/Pragmatics of Approximative Adverbs Project.

Economic and Business

- Meta analysis of Environmental Studies in Economic Literature Project.
- Ohio Homeowners' Attitudes and Practices related to Development of Residential Project.
- Meta Analysis on Smoking Behavior Project.

Sports and Exercise

- Aging Factor on Recreational Activities Project.