

Yifan Zhu

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Education

2010 to present, Ph.D. student in Biostatistics (4.00/4.00 GPA), University of Florida, Gainesville FL

Statistics/Biostatistics Courses: Advanced Inference, Theory of Linear Models, Generalized Linear Models, Large Sample Theory, Survival Analysis, Longitudinal Data Analysis, Clinical Trails, Advanced Topics in Clinical Trails

Epidemiology Courses: Principal in Epidemiology, Epidemiology methods, Spatial Epidemiology, US Health Administrative System

Awards: Graduate School Fellowship, four years of support

2010, M.Sc. Statistics (3.94/4.00 GPA), University of Calgary, Calgary AB, Canada

Thesis: Evaluation of Binocular Screening Tests: A Copula Approach via “Continued” Binary Outcomes

Courses: Probability Theory, Statistical Inferences, Theory of Hypothesis Testing, Bayesian Analysis, Multivariate Analysis, Generalized Linear Models, Stochastic Processes, Nonlinear Regression

Awards: Tuition Fee Award and Travel Expense Award, 2008, 2009

2008, B.S. Mathematics, Fudan University, Shanghai, China

Selected Courses: Mathematical Analysis, Advanced Algebra, Real Analysis, Functional Analysis, Convex Optimization

Awards: People’s Scholarship, 2005, 2006, 2007

Employment

Teaching Assistant, Department of Biostatistics and Epidemiology, University of Florida 2010–2012.

Graduate Teaching & Research Assistant, Department of Mathematics and Statistics, University of Calgary 2008–2010.

Research/Academic Experience

Master Thesis Project, under instruction of Dr. Alexander R. de Leon, University of Calgary, Calgary, AB Canada

Modeling correlation structure for binocular binary outcomes using copulas, Estimation in regression for joint likelihood of continued discrete data, Simulation study for evaluating sensitivity and specificity for diagnoses, Application to retinopathy data

Case Study 2: Proteomic Biomarkers for Disease Status, SSC Meeting in Vancouver, May 31- June 3, 2009
Case Study in Data Analysis Poster Session, University of British Columbia, Vancouver, BC Canada

Method of dealing with missing proteomic biomarker data in blood sample, Dimension reduction of possible covariates, Discriminate analysis and classification using support vector machines

Seminar Presentation, Department of Mathematics and Statistics, University of Calgary

Change Point Model for Statistical Process Control, 2008

Beyond a Genius: The Life and Work of A. N. Kolmogorov, 2009

Computer Skills

Statistical/Mathematical Software: R, SAS, MATLAB, MINITAB, Mathematica

Programming Language: C/C++, Visual Basic

Other: \LaTeX , Microsoft Word, Excel, Powerpoint

June 5, 2012