

# Yubing Wan

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## Education

Ph.D. Biostatistics, University of Louisville (UofL), June 2014 (expected)

Graduate Study in Computer Sciences, University of Texas-Pan American (UTPA), 2009 – 2010

M.S. Mathematics, University of Texas-Pan American (UTPA). May 14, 2009

B.S. Mathematics and Applied Mathematics, China University of Mining and Technology. July 1, 2007

## Employment

### *Graduate Research Assistant*

Department of Bioinformatics and Biostatistics, University of Louisville, Fall 2010 – Present

### *Graduate Research Assistant*

Department of Computer Sciences, University of Texas-Pan American, Fall 2009 – Summer 2010

### *Quality Enhancement Plan (QEP) Project Assistant*

Department of Mathematics, University of Texas-Pan American, Fall 2008 – Summer 2009

Assisted with the QEP data preparation from student survey and run statistical analyses with SPSS  
Prepared summary reports to the project coordinator and administrator

### *Graduate Teaching Assistant (Lecturer)*

Department of Mathematics, University of Texas-Pan American, Fall 2007 – Summer 2009

Taught undergraduate courses MATH 1330 & 1334 - Elementary and Intermediate Algebra, and MATH 1340 - College Algebra in the Mathematics Department, UTPA. Spring 2008 – Summer 2009

Worked twenty hours per week for tutoring problems in mathematics in the tutor labs of the Mathematics Department, UTPA. Fall 2007

## Publications

### *Journal Articles*

Z. Feng, **Y. Wan**. Linearizing Transformations to a Generalized Reaction-diffusion System, 2010, *Applicable Analysis* Vol. 89, No. 7, July 2010, 1005–1021.

**Y. Wan**, S. Datta, D. J. Conklin, M. Kong. Variable Selection Models Based on Multiple Imputation with an Application for Predicting Median Effective Dose and Maximum Effect. Submitted to the journal: *Journal of Statistical Computation and Simulation*.

### *Book Chapters*

L. Ding, B. Fu, Y. Fu, **Y. Wan**. Application of Width-Bounded Separators to Protein Side Chain Packing Problem, *Sequence and Genome Analysis: Methods and Applications*, ISBN: 978-0-9807330-4-4, 2010.

### *Proceedings*

Project on "Monotone Penalized Regression Splines for Single-index Models". Supervised by Dr. Maiying Kong and Dr. Susmita Datta

Project on "Survival Prediction Models for Proteomic Profiling of Protein Signatures in Inflammatory Bowel Diseases". Supervised by Dr. Susmita Datta and Dr. Maiying Kong

## **Presentations**

Reaction-diffusion Systems with A Nonlinear Rate of Growth, 8th Mississippi State - UAB Conference on Differential Equations & Computational Simulations, May 7-9, 2009, Department of Mathematics and Statistics, Mississippi State University Mississippi State, MS, USA

Extended Variable Selection Models for Missing Data with Application to Predict Median Effective Dose and Maximum Effect, Southern Regional Council on Statistics Summer Research Conference, June 2-5, 2013, Montgomery Bell State Park in Burns, TN, USA

## **Skills/Hobbies**

Good at Statistical softwares R, SPSS; Mathematical software Maple, Matlab; Programming languages C++; Windows and Microsoft Office.

Enjoy writing, badminton and basketball.

## **Honors**

The Third Place in UTPA HESTC scientific poster competition, 09/2008, 09/2009

Outstanding Student Award at China University of Mining and Technology, 11/2006

Outstanding Student Cadre Award of China University of Mining and Technology, 11/2005