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Tuscaloosa, AL 35401

Yuhui Yao
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EDUCATION

The University of Alabama, Tuscaloosa, AL
Ph.D., Applied Statistics, G.P.A.: 4.0
(Expected) August 2020

The University of Alabama, Tuscaloosa, AL
M.S., Applied Statistics, G.P.A.: 4.0
May 2016

Guangdong University of Technology, Guangzhou, China
B.S., Statistics, G.P.A.: 3.0
June 2011

AWARDS

- Nominated for the Quality and Productivity Section Award for Joint Statistical Meetings in Vancouver, Canada, July 2018

REFEREED PUBLICATIONS

- **Yao Y**, Hilton CW, Chakraborti S. (2017) *Designing Phase I Shewhart \bar{X} charts: Extended tables and software*, Quality and Reliability Engineering International, **33**, 8, 2667-2672.

OTHER PUBLICATIONS

- **Yao Y**, Chakraborti S. (2018) *R package - Phase 1 and Phase 2 X-bar Control Chart* on Github: <https://github.com/bolus123/PH1AND2XBAR>
- **Yao Y**, Chakraborti S. (2017) *A New Distribution-free Phase II Shewhart Control Chart for Location* in Proceedings of the Quality and Productivity Section of the Joint Statistical Meetings in Baltimore, Maryland

RESEARCH IN PROGRESS

- **Yao Y**, Chakraborti S. (2018) *Shewhart-type Charts in Some Nonstandard Situations: Phase I and Phase II*, to be submitted, April 2018.
- **Yao Y**, Chakraborti S. (2018) *A New Distribution-free Phase II Shewhart Control Chart for Location*, to be submitted, June 2018.
- **Yao Y**, Chakraborti S. (2018) *Phase II EWMA Control Charts for Some Designed Experiments*, Work to be completed over the summer of 2018.

PRESENTATIONS

- **Yao Y**, Chakraborti S. (2018) *Shewhart-type Charts in Some Nonstandard Situations: Phase I and Phase II*, to be presented at Joint Statistical Meeting in Vancouver, Canada
- **Yao Y**, Chakraborti S (2017) *A New Distribution-free Phase II Shewhart Control Chart for Location* presented at Joint Statistical Meeting in Baltimore, Maryland

WORK EXPERIENCE

Graduate Teaching Assistant

Department of Information Systems, Statistics and Management Science

The University of Alabama, Tuscaloosa, AL

August 2017 – present

- Held review sections solving problems from assignments, quizzes, tests and contexts in class for Mathematical Statistics I & II for both undergraduate and graduate sections
- Contributed to the development of teaching materials especially in R, linking contents in the lecture to modern computation ideas at both undergraduate and graduate levels
- Supported student learning via assessing their learning process and providing timely and effective feedbacks

Graduate Research Assistant

Office of Institutional Research and Assessment

The University of Alabama, Tuscaloosa, AL

January 2015 – August 2017

- Participated in projects about the assessment among universities based on multiple databases
- Dealt with daily problems as a SAS programmer

Software Engineer

Pactera, Guangzhou, China

February 2014 – June 2014

- Participated in the project, Marketing Automation(MA) system, for Guangfa Bank
- Assisted in the construction and maintenance of MA system
- Built business analysis diagrams by using Customer Intelligence
- Dealt with big data (approximately 15 million observations)

Data Mining Engineer

Guangzhou Times Media Group, Guangzhou, China

July 2012 – December 2013

- Participated in Data Mining project for Shenzhen Telecom
- Built pre-warning models about customer loss in the broadband network and the mobile network
- Built ranking models about preferable contact methods for customer service
- Analyzed daily business with big data (approximately 5 million observations)

SAS Engineer

Guangzhou Brilliant Business Solution, Guangzhou, China

April 2011 – July 2012

- Participated in SAS Data Mining project for Guangdong Mobile Communications Company
- Built temporal geographical models for mobile users based on the data from base stations
- Handled big data (more than 150 million observations)

PROFESSIONAL AFFILIATIONS

- American Statistical Association

SKILLS / QUALIFICATIONS / INTERESTS

- Computer Skills: R, SAS, SQL, Latex, Github, Linux
- Analytical Skills: Data management, Data analysis, Data Mining, Mathematical Modeling

LICENSES / CERTIFICATIONS

- SAS Base Programmer
- SAS Advanced Programmer
- SAS Predictive Modeler
- JLPT N1