GONG Hui (Iris)

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Work Experience

Minxin Hong Kong School (Guangzhou Nansha) **Mathematics teacher** **2023 - Now**
- **Courses of DSE**: compulsory part, M1 (Calculus and Statistics) and M2 (Algebra and Calculus)
- **Grades**: grade seven, nine and ten (2023-24)

Educational Background

The Chinese University of Hong Kong **PhD in Statistics** **2018 - 2022**
- **Thesis**: Sensitivity Analysis for Non-ignorable Missing Data via Generalized Estimating Equation (supervised by professor CHAN Kin Wai)
- **Relevant Modules**: Advanced Probability Theory, Advanced Statistical Inference, Linear Models, Multivariate Analysis, Advanced Statistical Computing.

Sun Yat-Sen University **BSc in Mathematics and Applied Mathematics** **2014 - 2018**
- **Major GPA**: 3.9/4.0
- **Honor**: The outstanding graduate
- **Relevant Modules**: Mathematical Analysis, Algebra, Complex Analysis, Differential Equations, Probability Theory and Statistics, Mathematical Statistics, Numerical Analysis, Advanced Computer Language Programming, Data Structure and Algorithms.

Scholarships

The Chinese University of Hong Kong (CUHK) **2018 - 2022**
- The Award of Postgraduate Studentship

Sun Yat-Sen University (SYSU) **2014 - 2018**
- The National Endeavor Scholarship 2014 - 2015
- The First Prize Scholarship 2014 - 2015
- The Sun Yat-Sen Endeavor Scholarship 2015 - 2016
- The LiuYongsheng Scholarship 2016 - 2017

Teaching Experience

Teaching assistant in CUHK, Hong Kong **Sep 2018 - May 2022**
- **STAT2001** Basic Concepts in Statistics and Probability (Dr. HO Kwok Wah) 2018 - 19 Fall
- **STAT1011** Introduction to Statistics (Prof. LIN Yuanyuan) 2019 - 20 Fall
- **STAT1011** Introduction to Statistics (Dr. CHAN Chun Man) 2020 - 21 Fall
- **STAT6060** Studies on Selected Topics IV (Prof. CHAN Ngai Hang) 2021 - 22 Fall
- **STAT3001** Foundation of Financial and Managerial Statistics (Dr. HO Kwok Wah)

2018 - 22 Spring

Advanced mathematics volunteer in SYSU   **Sep 2015 - Feb 2016**
- Teach in the activity "Advanced mathematics consulting class" held by the Department of Mathematics

Zhangmen one-to-one tutoring network technology company   **Feb 2016 - Oct 2017**
- Teach mathematics courses of high school for nationwide students online

Professional Experience

Statistical consulting in CUHK   **2018 - 2022**
- Consultation areas: structural equation models, data analysis, design of experiments, analysis of categorical data, logistic regression, regression analysis

The Chinese Mathematics Competitions (CMC)   **2016 - 2017**
- Competition knowledge: mathematical analysis, advanced algebra, analytic geometry
- Award: The First Prize for the CMC in Guangdong Province

Mathematical Contest in Modeling (MCM)   **2016 - 2017**
- Successful participant of *MCM/ICM: Modeling to Utopian Workforce on Mars;*
- Programming tools: MATLAB, Python, C++, R

Crytography and Information Security (course group project) **2016 - 2017**
- Decryption methods: pollard p-1 factoring algorithm, square-and-multiply algorithm, Euclidean algorithm, Chinese remainder theorem, pollard p factoring algorithm

Training Course about Mathematical Experiments   **2016 - 2017**
- Knowledge: matrix manipulations, symbolic calculation, numerical analysis, implementation of algorithms, plotting and usage of toolboxes.

Volunteering & Charitable Activities

Youth Innovative Public Service Center, Guangzhou, China   **2014 - 2017**
- Volunteer for three years in this charity shop, established by teachers and students from SYSU
- Gather and sell the donated goods, manage the online store, release WeChat push, organize charitable activities, aid sick poor students and support developing commonweal organizations

Skills & Assessments

Social Involvements: Public service for communities like nursing home, Donate and support for The Nature Conservancy to protect animals, volunteer in charity store;
Skills: Excellent knowledge of R and LaTeX; basically grasp C++, MATLAB, Excel, PowerPoint

References

Assistant Professor CHAN Kin Wai   **Minxin Hong Kong School (Guangzhou Nansha)**
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