

XUAN LU

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SUMMARY

I am a results-driven professional with expertise in statistical programming and data analytics. Proficient in many statistical software, I effectively manage and analyze complex datasets. My MPH from Columbia University equips me with skills in epidemiology and biostatistics. My experience includes developing SOPs and delivering video training, emphasizing process improvement. My leadership roles and active participation in professional societies reflect my strategic insight and commitment to industry best practices. Sample GitHub repository: https://github.com/xl3214/m3_GBM_market.git

SKILLS

SOFTWARE

- 5+ year Microsoft Office
- 4+ year R Programming
- 1 year SAS
- 1 year SQL (course based)
- 1+ year SPSS
- 1 year STATA (course based)

EXPERIENCES

- 5+ year research
- 4+ year statistical analytics
- 4+ year data management
- 2+ year clinical setting
- 2+ year pharmacology
- 6+ year teaching & training

STATISTICS

- Epidemiology Research Design
- Biostatistical Methods
- Population & Predictive Model
- Machine Learning
- Regression Analysis
- Qualitative & Quantitative Data

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant

Columbia University Mailman School of Public Health

09/2023 – 12/2023

New York, NY

- Class 1: Research Methods & Applications: Quantitative Module
- Class 2: Introduction to Biostatistics

Practicum Student

Institute for International Health and Education

05/2023 – 10/2023

Virtually

Project: Assessment of the progress of HIV diagnosis and treatment programs in the Republic of Tajikistan

- Clean and analyze Tajikistan HIV database (over 15,000 entries); SOPs; manuscript preparation & project presentations.

Research Assistant

Peking University Institute of Mental Health

03/2021 – 07/2022

Beijing, China

Project:

1. Genome-wide association study and mendelian randomization identify susceptibility locus and clinical implication of antipsychotic-induced weight gain
 2. Pharmacogenomic study of psychiatric disorder
- Clinical interviews for clinical trials; data analysis; SOPs; manuscript preparation; project presentations.

Research Assistant

Penn State University, Laboratory of Anxiety and Depression

05/2020 – 05/2021

University Park, PA

Project: Ecological momentary assessment & network analysis

- Participants recruitment & profile management; coordination and communication; data screening & quality assurance.

EDUCATION & HONORS

MPH, Columbia University Mailman School of Public Health: Epidemiology

May 2024

- Advanced Certificate: Applied Biostatistics and Public Health Data Science

BS, The Pennsylvania State University: Psychology, Minors in Special Education and Spanish

May 2021

- Ron and Sandie Musoleno Scholarship: \$1,500
- William and Estelle Turney Scholarship in the College of Education: \$1,500

SPECIAL EXPERIENCES

Founder & President

QiaoMu Growth Nonprofit Education, NGO

07/2021 - Current

Hainan, China

- Developed & implemented fundraising strategies; maintained relationships with key stakeholders & established partnerships to expand impact; implemented evaluation and monitoring system to measure impact; delivered training.

Intern

Beijing Leping Social Entrepreneur Foundation

10/2020 – 02/2021

Beijing, China

- Translated & revised *Stanford Social Innovation Review*.
- *Solutions Journalism and Solutions Narratives* project development, operation & management, i.e., due diligence, grant writing, advertisement.