Yun He

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EDUCATION

Columbia University, Mailman School of Public Health New York, NY

Master of Science in Biostatistics, Theory and Methods Track, GPA: 4.16/4.0 Expected May 2020

- Relevant coursework: Biostatistical Methods, Data Science, SQL/SAS Programming, Survival Analysis, Analysis of Longitudinal Data, Clinical Trial Methodology, Analysis of Health Surveys, Principles of Epidemiology
- Designed website to showcase data analysis results using R Markdown, and hosted website on GitHub
- Conducted statistical analysis using machine learning techniques to predict patients' heart disease status

Fudan University, School of Public Health Shanghai, China

Bachelor of Medicine in Preventive Medicine June 2018

State University of New York at Albany New York, NY

Exchange student for one semester December 2016

SKILLS & CERTIFICATIONS

- Software: SAS, R(Shiny), SQL, SPSS, LaTeX, Microsoft Access/Word/PowerPoint/Excel
- Certificates: SAS Certified Base Programmer for SAS 9, SAS Certified Advanced Programmer for SAS 9
- Languages: Mandarin Chinese, English

RESEARCH EXPERIENCE

Columbia University, School of Nursing New York, NY

Research Assistant, Co-management and Burnout in Clinical Setting May 2019-present

- Entered, cleaned and managed data from 400 subjects, and built regression models to explore relationship between effective co-management and burnout related outcomes in clinical setting
- Write manuscript to summarize findings and submit for publications

Columbia University, Department of Biostatistics New York, NY

Research Assistant, LAtino Sleep and Health (LASH) Study June 2019-present

- Conduct longitudinal data analysis to help resolve sleep deficiency using Mixed Models and Cumulative Link Mixed Models, and explore bidirectional relationship between sleep and other modifiable factors
- Write statistical reports, and present results to professor and collaborators monthly

Columbia University, Department of Biostatistics New York, NY

Research Assistant, Virological dynamics in HIV-infected infants May-August 2019

- Analyzed longitudinal data using t-test with multiple comparison adjustment and Generalized Estimating Equation (GEE) in R to examine differences of blood test results between case and control groups
- Conducted trajectory analysis in SAS to classify patients into 3 categories based on their development patterns

Fudan University, Department of Epidemiology Shanghai, China

Research Assistant, Chronic Obstructive Pulmonary Disease November 2016-November 2017

- Collaborated with a team of primary care physicians and researchers from Center for Disease Control and Prevention on design and implementation of a cross-sectional study with 300 patients
- Conducted logistic regression to analyze survey data and identify risk factors for pain problems in SAS

WORK EXPERIENCE

Columbia University, Mailman School of Public Health New York, NY

Teaching Assistant, Introduction to Biostatistical Methods September-December 2019

- Collaborated with instructor and 2 other teaching assistants teaching 80 students with non-Biostatistics backgrounds
- Held 3 office hours per week to answer questions, explain concepts and provide technical support of R programming

IQVIA, Department of Primary Intelligence Shanghai, China

Summer Intern May-July 2018

- Collaborated with team members to accomplish an annual health report for pharmaceutical consulting firm by analyzing survey data and researching on health policies and pharmacies
- Managed datasets using Microsoft Excel (VLOOKUP function) and presented results using Microsoft PowerPoint

PUBLICATION

- Xiao T, Zhou X, **He Y**, et al. Pain problems for patients with mild and moderate chronic obstructive pulmonary disease–a community-based study in Shanghai. *Journal of Pain Research*. 2017; 10: 2247–2252.