Rene Chi

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EDUCATION

Columbia University, Mailman School of Public Health New York City, NY
Masters of Science in Biostatistics - Public Health Data Science Track May 2027

National Taiwan University(NTU) Taipei, Taiwan
Bachelor of Science in Public Health (GPA 3.67/4.0) Jun 2023

Relevant Coursework: Biostatistics(I), Biostatistics(II), Epidemiology, Computing in Epidemiology and Biostatistics, Secondary Health Data-Application and Practice, Analysis of Big Data in Health, Statistical Analysis for Repeated Measurements, Categorical Data Analysis, Special Topics in Case Control Methodology

EXPERIENCE

Project TALENT, Taiwan Lung Cancer Society Taipei, Taiwan
Research Assistant Feb 2024 - July 2025

- Coordinated research initiatives and collaborated with teams from 17 hospitals to organize public health events
- Followed up 9,800 participants by integrating Taiwan National Health Insurance database and TALENT database via SAS
- Conducted PM 2.5 exposure analysis for 12,000 participants using of R and Geocode, contributing to key environmental health insights
- Performed nested case-control study matching of 250 cases with 11,000 control subjects through the usage of R and SAS
- Visualized the lag time effect between motorcycle amount and adenocarcinoma lung cancer incidence rate

Comprehensive Breast Health Center, Taipei Veterans General Hospital Taipei, Taiwan
Medical Assistant Jul 2022 - Aug 2022

- Led a research of preventing, diagnosing and treating breast cancer with other interns
- Sorted 2,500 first-hand medical records and analyzed their characteristics such as cancer-stage distribution
- Received compliments from senior co-workers and director

ACADEMIC PROJECTS

Final Report: Using logistic regression models and supervised learning to build effective lung cancer prediction

- Collected and preprocessed public lung cancer dataset from kaggle with 400 entries
- Built and validated supervised learning models such as stepwise logistic regression model to predict cancer occurrence with two other fellow classmates
- Achieved over 94% prediction accuracy, summarized findings in final report
- Nominated for the annual public health poster competition

STUDENT ACTIVITY

NTU Public Health Service Team, Xizhou Elementary School Chunghwa, Taiwan
Team leader Jun 2022 - July 2022

- Lead a 4-people team under the division of children health education
- Coached team members to create curriculum for 30 elementary students

SKILLS

Data Analysis: R (data cleansing, loop, data visualizing, multivariate regression), SAS (data cleansing, multivariate regression)
Computer: Microsoft Word, Excel, PowerPoint
Languages: English, Mandarin