

Waveley Qiu

PhD Student in Biostatistics | Yale University
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Education

DOCTOR OF PHILOSOPHY, BIOSTATISTICS 2023 - PRESENT

Yale University, School of Public Health. Advised by Dr. Donna Spiegelman.

Research interests: clinical trials, implementation science, study design.

MASTER'S OF SCIENCES, BIOSTATISTICS | THEORY AND METHODS TRACK 2021 - 2023

Columbia University, Mailman School of Public Health

Activities and Societies: Delta Omega Honorary Society in Public Health

BACHELOR'S OF SCIENCES, STATISTICS | LINGUISTICS MINOR 2016 - 2020

University of California, Los Angeles

Skills and Competencies

PROGRAMMING LANGUAGES

R – 10+ years of experience. Skilled in tidyverse functions, data cleaning, EDA, modeling, and simulations.

SAS – 8 years of experience. Skilled in DATA step manipulations, modeling and publication procedures, and the macro language.

LANGUAGES

English
Mandarin

Employment and Experience

YALE UNIVERSITY

Graduate Teaching Assistant January 2022 - June 2023

TA for BIS 679: Advanced Statistical Programming in SAS and R (Fall 2024), BIS 628: Longitudinal and Multi-level Data Analysis (Spring 2025)

Research Assistant June 2023 - December 2025

Primarily responsible for data cleaning and analysis in exploratory study investigating covariates influencing colposcopy attendance and guideline adherence after pap smear for women seen at the Womens' Health/Cornell Scott Health Center in New Haven, CT.

Study co-PIs: Drs. Donna Spiegelman and Sangini Sheth

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

Graduate Teaching Assistant January 2022 - June 2023

TA for P6110: Statistical Computing with SAS (Spring '22, Fall '22), Summer Institute in Biostatistics and Data Science (Summer '22), and P8105: Data Science 1 (Fall '22).

Responsibilities include: holding weekly office hours and/or leading recitation, assisting students during lecture, and grading exams and assignments.

Graduate Research Assistant, Department of Environmental Health March 2022 - June 2023

Contributing to the data cleaning and exploration efforts for a multi-country longitudinal study relating occurrences of natural disasters and the onset of the COVID-19 pandemic with childhood health outcomes in Peru, India, Ethiopia, and Vietnam, under the direction of Dr. Ilan Cerna-Turoff.

Graduate Research Assistant, Department of Medicine

September 2022 - June 2023

Constructed linear mixed models for exploratory analysis in longitudinal study analyzing the bi-directional effects of diet and sleep, under the direction of Dr. Bin Cheng.

YouGov

SRG Analytics Intern

July 2022 - September 2022

Studied the theory underlying YouGov's sample matching methodology and conducted sample matching.

Developed methodology combining logistic regression and iterative proportional fitting to construct a target frame for sample matching on binary survey outcomes.

EDETEK, INC.

Statistical Programmer I

October 2020 - August 2021

Generated production and validation standardized datasets (SDTM/ADaM), tables, lists, and figures (TLFs) for submission to various regulatory agencies and publication groups.

Worked with data management team to manage data review and generated regular monitoring reports, data reconciliation reports, and programmed edit checks.

Principally responsible for producing and maintaining protocol deviation listings for several studies.

Programmed in SAS and SQL (PROC SQL), establishing macros and automating processes in both data review and deliverable production.

Statistical Programming Intern

July 2020 - October 2020

Assisted in SDTM, ADaM, and TLF generation.

Assisted data management team in data cleaning process.

Performed routine data management tasks in reviewing database entries and in opening and closing queries

RELYPSA INC./VIFOR PHARMA

Biometrics Intern

June 2019 - September 2019

Generated validation SDTMs after independently learning SAS.

Assisted in manuscript review.

Worked with drug safety department and generated a weekly SAE listing.

UCLA CALIFORNIA NANOSYSTEMS INSTITUTE

Undergraduate Research Assistant

January 2018 - June 2020

Assisted in the manufacturing of nanoparticles.

Conducted experiments determining drug retention and release.

Analyzed measurements in Excel and experiment-specific software (CompuSyn).

Presentations and Talks

DEMING CONFERENCE ON APPLIED STATISTICS

NEW JERSEY, DEC 2025

"Establishing settings of random non-adherence in the setting of on study treatment crossover through asymptotic bias evaluations of standard trial estimators for the risk ratio" (collaborative work with Dr. Donna Spiegelman)

NIH RARE DISEASE SPECIAL INTEREST GROUP

NEW YORK, MARCH 2023

"Estimands and Intercurrent Events: the ICH E9(R1) Addendum" (collaborative work with Dr. Seamus Thompson)

Publications

Patel, A. V., **Qiu, W.**, Sartor, R., Wilcox, M., Jones, B. A., Hernandez-Ramirez, R. U., Tang, W., Megiel, S., Girgis, A., Foster, J., Tong, G., Spiegelman, D., & Sheth, S. S. (2025). Factors associated with timely receipt of Colposcopy after abnormal cervical cancer screening. *Journal of Lower Genital Tract Disease*, 29(4), 320–328. <https://doi.org/10.1097/lgt.0000000000000905>

Boege, H. L., Wilson, K. D., Kilkus, J. M., **Qiu, W.**, Cheng, B., Wroblewski, K. E., Tucker, B., Tasali, E., & St-Onge, M.-P. (2025). Higher daytime intake of fruits and vegetables predicts less disrupted nighttime sleep in younger adults. *Sleep Health*, 11(5), 590–596. <https://doi.org/10.1016/j.sleh.2025.05.003>