CINDY J. PANG

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EDUCATION

University of California, Los Angeles   **2023-2028**
Los Angeles, CA
Ph.D. Biostatistics

University of North Carolina at Chapel Hill   **2019-2023**
Chapel Hill, NC
B.S.P.H Biostatistics; B.A. Mathematics; Minor: English

RESEARCH EXPERIENCE

UCLA Department of Biostatistics   **09/2023- Present**
Graduate Student Researcher   *Los Angeles, CA*
Advisor: Dr. Sudipto Banerjee
· Conducted exploratory data analysis for high-dimensional wearable device data (actigraph)
· Constructed Bayesian hierarchical model for pooling of parameters, modelling subject-level variation for the effect of greenspace on physical activity

Carolina Population Center   **09/2021 - 05/2023**
Undergraduate Research Assistant   *Chapel Hill, NC*
Advisor: Dr. Paul Delamater, Department of Geography
· Conducted data analysis and data visualization on COVID-19 immunity in North Carolina using R
· Reviewed scientific literature and authored manuscript summarizing results

Carolina Population Center Internship Program   **05/2021 - 07/2021**
· Led the process of cleaning and consolidating a large spatiotemporal database of COVID-19 cases and vaccination in R
· Create high (geographic) resolution estimates of vaccination coverage over time and assisted in scientific literature searches, created maps and graphics, and produced narrative text describing data and methods for a report

TEACHING EXPERIENCE

<u>Teaching Assistant</u>
BIOSTAT 100B: Introduction to Biostatistics   **Winter 2024**
· Led and supervised one lab section of Chinese Visiting Scholars, teaching data management and visualization with STATA

BIOSTAT 100A: Introduction to Biostatistics   **Fall 2023, Spring 2024**
· UCLA Biostatistics Department's graduate and undergraduate-level course, taught by Dr. Martin Lee
· Led and supervised two lab sections (with one section of Chinese Visiting Scholars), teaching data management and visualization with software (Excel, R)

HONORS & AWARDS

2024   Graduate Research Mentorship (GRM) Award, *UCLA Graduate Division*

2023   Three Year Service Award, *Carolina Housing*

2022   William W. and Ida W. Taylor Summer Undergraduate Research Fellowship (SURF) Award, *University of North Carolina*

2022   Summer Institute for Statistics and Modeling in Infectious Diseases (SISMID) Scholarship, *University of Washington Department of Biostatistics*

2022   Phi Beta Kappa, *University of North Carolina*

2021   Honors Carolina, *University of North Carolina*

PUBLICATIONS

1. **Cindy Pang**, Paul L. Delamater, Spatiotemporal Characteristics of the SARS-CoV-2 Delta Wave in North Carolina, *Spatial and Spatio-temporal Epidemiology* (2023), doi: https://doi.org/10.1016/j.sste.2023.100566

POSTERS AND PRESENTATIONS

06/2024   Bayesian Inference of Greenspace on Metabolic Equivalence of Task from Observational Actigraphy Experiments. *Western North American Region (WNAR), International Biometric Society, Fort Collins, CO.* **Contributed Talk.**

04/2023   Estimating COVID-19 Incidence During the Pre-Vaccination Era in North Carolina Counties by Leveraging Spatial Characteristics. **Poster.** *UNC Celebration of Undergraduate Research, Chapel Hill, NC*

12/2021   The Nonlinear Dynamics of Infectious Disease Models (SIR). *Directed Reading Program (DRP), UNC Department of Mathematics.*

07/2021   Estimating Localized COVID-19 Immunity Levels for North Carolina Counties. *Summer Undergraduate Pipeline (SUP) Research Symposium (virtual), UNC-Chapel Hill*

TECHNICAL SKILLS

Programming Languages	R, Python, SAS, MATLAB, Java, STATA
Online data platforms	Qualtrics
Software	Github, LaTeX

CAMPUS INVOLVEMENT

Carolina Housing   07/2020 - 05/2023
Residential Advisor   *Chapel Hill, NC*

· Oversee up to 30 student residents per semester; provide mentoring and serve as a mandated reporter
· Plan and organize 8 community programs per semester to create an inclusive housing environment

Residential Hall Association (RHA) Craige Community Government 11/2021 - 05/2023
Residential Advisor Liason   *Chapel Hill, NC*

· Connected Community Government members with on-campus resources to plan programs for residential engagement
· Facilitated communication between Housing Leadership, Residential Staff, and Community Government
· Participated in residential engagement program planning and execution

UNC Department of Biostatistics, Inclusive Excellence Committee   10/2022 - 05/2023
Undergraduate Representative   *Chapel Hill, NC*

· Support department initiatives for diversity and inclusion