David Nemirovsky

Brooklyn, New York 11218 | 1-(347)-394-9939 | david.nemirovsky97@gmail.com | davidnemirovsky.com

Work Experience

Memorial Sloan Kettering Cancer Center, Department of Epidemiology and Biostatistics, New York, NY   May 2022 – Present
Research Biostatistician
- Conduct statistical analyses on hundreds of cancer datasets using advanced modeling and wrangling techniques for complex data
- Develop and maintain large-scale data processing pipelines encompassing thousands of patients across five research centers
- Collaborate with clinicians across over ten different cancer types to evaluate treatment efficacy and outcomes
- Oversee and ensure accurate data curation of multiple clinical databases containing patient-level data
- Contribute to departmental hackathons to design, enhance, and maintain R packages used by over 50 statisticians
- Mentor high school and college students from under-resourced communities and lead STEM outreach initiatives across NYC

Columbia University Mailman School, Department of Population and Family Health, New York, NY   June 2021 – May 2022
Quantitative Research Assistant
- Built statistical models to examine significance of multiracial identification across 8 health outcomes and 4 covariates using R
- Constructed dozens of exploratory plots and tables to visualize differences among multiracial groups
- Generated accessible reports of statistical findings for discussions with team and principal investigator using RMarkdown

Columbia University Irving Medical Center, Department of Neurology, New York, NY   June 2021 – May 2022
Research Fellow
- Analyzed dataset of 75 underserved 5th grade students to evaluate social and emotional learning (SEL) interventions using R
- Established novel data infrastructure for efficient assessment of intervention efficacy during implementation of SEL modules using SQL
- Finalized study design and composed IRB protocol for pilot clinical trial with vulnerable population

Hunter College, Department of Chemistry, New York, NY   January 2020 – May 2022
Adjunct Lecturer for General Chemistry Lab and Inquiries into the Nature of Matter
- Instructed undergraduate students on proper lab techniques, safety protocol, and fundamental concepts of chemistry within experiments
- Assigned grades based on performance in laboratory and lab reports, as well as host weekly office hours to provide additional instruction

Private Tutor, New York, NY   August 2019 – May 2022
Subjects: SAT Math, Algebra, Trigonometry, Calculus, Statistics, Biology, Chemistry (All Middle School – College Level)
- Prepared lesson plans tailored to needs of specific students and engage them using applicable examples and vernacular
- Assisted with assigned homework and projects, with clients receiving high marks on the math section of the SAT and As in Calculus

Watch Limit, New York, NY   November 2019 – June 2021
Operations Manager
- Examined monthly sales data to discover trends and set inventory prices based on current market value using R
- Input and managed business inventory between $1-2 million via MS Excel

Education

Columbia University Mailman School of Public Health, New York, NY   May 2022
Master of Science in Biostatistics GPA: 3.71
Relevant Coursework: Biostatistics I & II (GLM & Longitudinal Data Analysis), Data Science I & II (Machine Learning Algorithms), Clinical Trial Methodology, Survival Analysis, Latent Variables and Structural Equation Modeling, Statistical Inference (Classical & Bayesian Estimation)
Involvement: Biostatistics Computing Club, Healthcare Data Analytics Club
Honors: FORWARD (Fighting Oppression, Racism & White Supremacy Through Action, Research & Discourse) Community Fellowship Award

Hunter College, New York, NY   May 2019
Bachelor of Arts in Statistics, Bachelor of Arts in Biochemistry GPA: 3.71 (Statistics GPA: 3.97)
Honors: Departmental Honors in Biochemistry, Yalow Honors Scholar, Dean's List, Shirley Kurmin Mazur Award in Mathematics

Skills

Language: Intermediate Russian
Software: R, Python, SAS, SQL, SPSS, GitHub, REDCap, Access, Excel, PowerPoint, and Word (All advanced usage)