David Nemirovsky

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Education

Columbia University Mailman School of Public Health, New York, NY   Expected May 2022
Master of Science in Biostatistics GPA: 3.56
Relevant Coursework: Biostatistics I & II, Data Science I & II, Latent Variables and SEM, Probability, Statistical Inference
Involvement: Biostatistics Computing Club, Healthcare Data Analytics

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

Academic Projects

"Future of COVID-19: Looking at Past Pandemics", Columbia University   Fall 2020
Worked in group of 4 to develop website with interactive plots and maps (with up-to-date data), comparing COVID-19 new and cumulative case/death data to that of seasonal flu (Influenza B), past pandemics (H1N1 and Spanish Flu), and original coronavirus epidemic from 2003 (SARS-CoV-1). Trends were studied to assess future implications of COVID-19, and the basic reproductive rate was found to be higher than all other diseases studied. RStudio and GitHub were used in collaborative construction of the website.

"Linear Model to Explain Hate Crimes in the U.S. in 2016", Columbia University   Fall 2020
Worked in group of 5 to study covariates associated with hate crimes in the U.S. in 2016, construct a linear model to explain these factors, and then compile a publishable report. The findings suggested that income inequality, percent of population with at least a high school education, and unemployment were the covariates highest associated with hate crimes. RStudio and GitHub were used in collaborative construction of the linear model and report.

Work Experience

Hunter College, Department of Chemistry, New York, NY   January 2020 – Present
Adjunct Lecturer for General Chemistry Lab and Inquiries into the Nature of Matter
- Instruct students on proper laboratory techniques and safety protocol
- Educate 60+ undergraduate students in underlying fundamental concepts of chemistry present in lab experiments
- Assign students grades based on performance in laboratory and on lab reports
- Host office hours once per week to provide additional instruction

Watch Limit, New York, NY   November 2019 – Present
Operations Manager
- Analyze monthly sales data to discover trends and set inventory prices based on current market value using R
- Input and manage business inventory between 1-2 million dollars via MS Excel
- Oversee and update website on rolling basis to accurately reflect market changes

Private Tutor, New York, NY   August 2019 – Present
Subjects: Algebra, Trigonometry, Calculus, Statistics, Biology, Chemistry (All Middle School – College Level)
- Prepare lesson plans tailored to needs of specific students and engage them using applicable examples and vernacular
- Assist with assigned homework and projects
- Recent clients received high marks on the math section of the SAT and an A in Calculus

Public School Athletic League, New York, NY   January 2016 – Present
Wrestling Tournament Manager
- Generate tournament brackets, minimizing variability in matches per mat and average time between matches
- Rectify spreadsheets with hundreds of registered wrestlers prior to tournament's start
- Dictate assembly of electronics and equipment needed for tournament's operation

Nadine Johnson & Associates, Inc., New York, NY   January 2016 – January 2020
Assistant Finance Director
- Determined company's monthly profitability by comparing revenue versus taxes and expenses using MS Excel
- Reconcile bank statements up to $200,000 monthly, ensuring accurate bookkeeping and constructed invoices by organizing client and employee expenses

Skills

Language: Intermediate Russian
Software: R, SPSS, Excel, PowerPoint, Word, WinLab32 for ICP-OES, and AccountEdge (All advanced usage)