**David Nemirovsky**

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**Education**

**Columbia University Mailman School of Public Health**, New York, NYExpected 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, NYMay 2019

Bachelor of Arts in Statistics, Bachelor of Arts in BiochemistryGPA: 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, NYNovember 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,NYAugust 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, NYJanuary 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)