

Jensen N. Hu, MPH

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Education

Boston University School of Public Health — Master of Public Health, Epidemiology (2014–2016)

Boston University — Bachelor of Science, Health Science (2010–2014)

Work Experience

Mathematica — **Senior Data Analytics Developer** | June 2022 – March 2025

- Collaborated with multidisciplinary teams to deliver rapid-turnaround analyses and reporting for government stakeholders across workforce, education, and social policy programs
- Building Usage, Improvement, and Learning with Data (BUILD) - maintained and debugged report pipeline built in multiple languages (SAS, R, Stata, Python), refactored and augmented code as needed.
- Retaining Employment and Talent After Injury/Illness Network (RETAIN) - automated manual cleaning and QA processes using R/Bash, standardized data across multi-state data submissions.
- Regional Educational Laboratory (REL) for the Mid-Atlantic region - developed pipeline in R/Stata to clean CCD and EDFACTS data, ran regressions to see how modality relates to school climate/SEL outcomes, described how school characteristics (demographics, size, achievement) relate to school climate indices, using correlations, plots, descriptives.

NYC Department of Health & Mental Hygiene — **City Research Scientist III** | Sept 2021 – May 2022

Division of Family and Child Health, Bureau of School Health, Data Science and Research Unit

- Analyzed mental health burden in NYC public schools using Python and SPARCS ED visit data
- Reported and archived COVID-19 vaccination coverage of school-age children using SQL Server and Python
- Responded to ad-hoc analytics requests from medical unit stakeholders

NYC Department of Health & Mental Hygiene — **City Research Scientist II** | Jan 2019 – Sept 2021

Division of Family and Child Health, Bureau of School Health, Office of School Mental Health

- Developed reusable reporting scripts in R and SAS to monitor school mental health clinics
- Managed data for three mental health initiatives across 500+ NYC public schools and delivered program metrics to leadership

NYC Data Science Academy — **Data Science Fellow** | July 2018 – Sept 2018

- Built an R Shiny dashboard visualizing CDC outbreak data
- Scraped 9,000+ Microsoft App Store reviews using Python Scrapy
- Built predictive models for Ames Housing Kaggle competition

Harvard Pilgrim Health Care Institute — **Research Analyst I** | Apr 2016 – June 2018

- Executed distributed research network queries across clinical datasets using SAS tools
 - Built ICD-9, ICD-10, NDC, and RxNorm code lists for epidemiologic studies
 - Designed and tested a reusable SAS cohort identification tool (PCORnet PMP1)
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Skills

Languages: R, Stata, SAS, Python, SQL

Tools: RStudio, SQL Server, Tableau, Git, AWS, Claude, Excel