



Hung Pham

Biostatistician

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About me

Biostatistician experienced in longitudinal modeling of health data. Rstats enthusiast, Stan for complicated Bayesian models, and Python for web-scraping and sci-kit learn.

Work Experience

- Since 6/2021 **Biostatistician** New Haven, CT
Yale University, Child Study Center
- Lead data analyst for maternal mental health and child development studies
 - Provide statistical consultation on study design, analysis, visualization for publications and grant applications
 - Use R, SQL, SAS, GNU/Linux to analyze genomic and epigenomic data to study risk factors and health biomarkers
 - Use modern causal inference methods and Bayesian probabilistic programming with Stan and R to estimate causal estimands in multiple large longitudinal birth cohorts
 - Deploy and administer a secured AWS Ubuntu server to facilitate data storage with S3 and Shiny webapps with Docker and ShinyServer to improve research collaboration and reproducibility
 - Design and operate a relational data base system using {duckdb} and {dm} to handle multiple sources of data for a digital biomarker study
- 2020-2021 **Statistical Programmer** New York, NY
Columbia University
- Perform data wrangling and statistical analysis of surveys from patients suffering from mitochondrial diseases
 - Use SQL to wrangle EHR records and R/SAS to clean, analyze, and visualize data for a NIH grant application on rare disease
 - Maintained and decreased the load time by 20x of the department's COVID-19 dashboard with R and Shiny
- 8 to 11/2020 **Team Leader** New York, NY
Humana-Mays Healthcare ML Competition
- Lead team of 3 to compete in Humana's machine learning competition in healthcare
 - Placed among the top 10 of 279 teams in terms of model performance measured by ROC-AUC
- 2016-2019 **Biochemist** Pottstown, PA
Rockland Immunochemicals, Inc.
- Top-performing biochemist, developing therapeutic antibodies for oncology and infectious diseases

Education

- 5/2021 **Master of Sciences in Biostatistics** New York, NY
Columbia University | GPA: 3.67/4.00
- 5/2016 **Bachelor of Arts in Biochemistry** Worcester, MA
Clark University | GPA: 3.65/4.00

Publications

1. McGill, M. G., Pokhvisneva, I., Clappison, A. S., McEwen, L. M., Beijers, R., Tollenaar, M. S., Pham, H., Kee, M. Z. L., Garg, E., Mendonça Filho, E. J. de, Karnani, N., Silveira, P. P., Kobor, M. S., Weerth, C. de, Meaney, M. J., & O'Donnell, K. J. (2022). Maternal prenatal anxiety and the fetal origins of epigenetic aging. *Novel Neuromodulators of Anxiety*, 91(3), 303–312. <https://doi.org/10.1016/j.biopsych.2021.07.025>