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# KATHERINE HOFFMAN

## EDUCATION

**University of Michigan, Ann Arbor, MI** — *M.S. in Biostatistics*          SEP 2016 – MAY 2018

Biostatistics Student Association President; Statistics in the Community (STATCOM) volunteer;
*Coursework:* Probability Theory, Statistical Inference, Generalized Linear Models, Longitudinal Analysis,
Bayesian Theory, Survival Analysis, Clinical Trials, Genetic Epidemiology, Modeling of Infectious Diseases

**University of Detroit Mercy, Detroit, MI** — *B.S. in Biochemistry*          SEP 2011 – MAY 2015

*Magna Cum Laude*. NCAA Division I Softball 2011-2015; Team Captain 2015. Honors Graduate; Thesis:
*Tracing the Role of Artists in Reducing the Negative Stigma of Mental Illness*

## EXPERIENCE

**Weill Cornell Medicine, New York, NY**

*Research Biostatistician III*          NOV 2021 – PRESENT
*Research Biostatistician II*          JUL 2020 – SEP 2021
*Research Biostatistician I*          AUG 2018 – JUN 2020

- Primary biostatistician for Division of Pulmonary and Critical Care Medicine (PCCM); leads study design, data management, statistical modeling, and manuscript writing in collaboration with physician researchers; manages all projects requiring statistical support within PCCM
- Assists Dr. Iván Díaz with illustrative applications for novel causal inference methodology papers
- Supervises two Research Biostatisticians (since December 2020)
- Teaching Assistant for Biostatistics and Data Science M.S. courses including data science programming, biostatistics, causal inference, longitudinal data analysis, health services research
- Host of internal WCM Biostatistics Computing Club
- Hiring co-manager for new biostatistician hires

**University of Michigan, Ann Arbor, MI**

*Graduate Student Research Assistant*          FEB 2017 – MAY 2018

- Assisted with geospatial analysis of association of air pollution with end stage renal failure using R with Dr. Peter Song's Biostatistics Lab
- Searched for inversions in the dog genome using Python and UNIX with Dr. Jeffrey Kidd's Computational Biology Lab
- Visualized feeding patterns of *Drosophila* from high-dimensional data sets in R with Dr. Monica Dus' Neuroscience and Epigenetics Lab

## SOFTWARE

*Active:* R, markdown, LaTeX, git/Github, UNIX, SAS, Adobe Creative Cloud

*Previous:* Python, SQL, Matlab, Java, Maple