# Madison Stoms

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## EDUCATION

**Columbia University,** New York, NY *August 2019 - Present*
      **Program**: Biostatistics, PhD
**University of Michigan**, Ann Arbor, MI *August 2016 - May 2019*
      **Major**: Statistics Honors; **Minor:** Mathematics

## EXPERIENCE

**Mailman School of Public Health**, New York, NY *March 2020 - Present*
*Research Assistant to Dr. Jeff Goldsmith*
**Longitudinal Research Program in Late-Life Suicide**, Pittsburgh, PA *September 2021 - Present*
*Research Assistant to Dr. Hanga Galfalvy*
**Genentech**, San Francisco, CA *April 2022 - August 2022*
*Intern in Patient Centered Outcomes Research (PCOR)*
**D3 Lab**, Ann Arbor, MI *September 2017 - May 2019*
*Research Assistant to Dr. Daniel Almirall*
**Summer Institute in Biostatistics (NIH)**, Raleigh, NC *May 2018 - July 2018*
*Student Researcher*
**Vital Systems**, Schaumburg, IL *May 2017 - August 2018*
*Data Management Associate*

## VOLUNTEER

**Statistics in the Community**, New York, NY *January 2020 - Present*
*President and Founder*
**Master's Practicum Symposium Committee**, New York, NY *January 2021 - Present*
*Committee Advisor & Lead Chair*
**Functional Data Analysis Working Group (FDAWG)**, New York, NY *September 2019 - Present*
*Member*
**Children's Research Fund**, New York, NY *November 2022 - Present*
*Statistical Consultant and Tutor*

## PUBLICATIONS

**M Stoms,** L Houghton, M Terry, K Ulanday, J Herbstman, J Goldsmith (2023) *Estimation of Menstrual Cycle Day using Cross-Sectional Biomarker Measurements*. *Under review*

**M Stoms**, B Sauerbrei, J Goldsmith (2023) *Simultaneous Clustering and Decomposition of Functional Data Across Repeated Trials.* *In progress.*

**M Stoms**, A Szucs, H Galfalvy, (2023) *Protective Effects of Social Support on Suicidal Ideation in Late-Life Adults*. *In progress.*

M Finkel, **M Stoms**, J Goldsmith, S Rifas-Shiman, E Oken, M Ordway, A Shechter, J Woo Baidal (2024) *Understanding the Longitudinal Relationship Between Early Life Sleep Patterns and Child Cognitive Development*. *In progress.*

V Menon**, M Stoms,** C Fowler, G Garcia, Y Wei (2024) *Social and Economic Factors Affecting Burden of Treatment* *In progress.*

## PRESENTATIONS

"**Estimation of Menstrual Cycle Day using Cross-Sectional Biomarker Measurements**" [Invited Session] *Columbia Biostatistics Annual Research Symposium (CBARS)*, New York, NY (September, 2023)
"**Estimation of Menstrual Cycle Day using Cross-Sectional Biomarker Measurements**" [Contributed Session] *Joint Statistical Meeting (JSM)*, Toronto, ON (August, 2023)

**"Estimation of Menstrual Cycle Day using Cross-Sectional Biomarker Measurements"** [Invited Session] *Functional Data Analysis Working Group (FDAWG)*, New York, NY (April, 2023)

**"[Simultaneous Clustering and Decomposition of Neural Activation Data across Repeated Trials](#)"** [Contributed Session] *Eastern North America Region (ENAR)*, Nashville, TN (March, 2023)

**"Simultaneous Clustering and Decomposition of Neural Activation Data across Repeated Trials"** [Workshop] *Graduate Student Research Seminar*, New York, NY (February, 2023)

**"Simultaneous Clustering and Decomposition of Neural Activation Data across Repeated Trials"** [Poster Presentation] *Data Science Data*, New York, NY (April, 2022)

**"Leveraging Real-World Evidence to Increase Diversity of Populations in Clinical Trials"** [Invited Session] *Society of Clinical Trials (SCT)*, San Diego, CA (May, 2022)

**"Simultaneous Clustering and Decomposition of Neural Activation Data across Repeated Trials"** [Invited Session] *Colorado Functional Data Analysis Working Group (FDAWG)*, Online (December, 2022)

**"Visualizing Person-Specific Trajectories within Dynamic Treatment Regimens using Data from Sequential Multiple Assignment Randomized Trials"** [Poster Presentation] *Michigan Institute for Data Science Student Symposium*, Ann Arbor, MI (October, 2018)

**"The Utility of Concordant Trend Analysis in Phase 2 Studies in Congenital and Childhood Onset Myotonic Dystrophy Type 1: A Case Example"** [Poster Presentation] *Muscular Dystrophy Foundation Annual Conference*, Nashville, TN (September, 2018)