

BRIAN A. KUNDINGER

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EDUCATION

Duke University

Durham, NC

- PhD in Statistical Sciences (Expected Spring 2024)
 - Courses include: Bayesian Statistics, Time Series and Dynamical Models, Probabilistic Machine Learning, Multivariate Analysis

CSU Long Beach

Long Beach, CA

- 24 Undergraduate, 9 Graduate Credits in Math and Statistics (Fall 2016 – Spring 2019)

Brown University

Providence, RI

- Bachelor of Arts in History and Africana Studies (Completed May 2014)

AWARDS AND HONORS

- Alfred P. Sloan Foundation Scholar (2019 – 2024)
- Google PhD Fellowship (2021 – 2024)
- Associate Fellow, *Institute for the Recruitment of Teachers* (Fall 2018 – Spring 2019)

PUBLICATIONS

- Kundinger, B; Reiter, J; Steorts, R; “Efficient and Scalable Bipartite Matching through Fast Beta Linkage (fabl)”, In Progress
- Kundinger, B; Reiter, J; Steorts, R; “Unsupervised Detection of Bias in Record Linkage through a Hierarchical Clustering Model”, In Progress

WORK EXPERIENCE

Democratic National Committee

Washington, DC

Data Consultant

June 2021 – August 2021

- Increased speed of record linkage algorithm by 300%
- Improved accuracy of linkages, particularly reducing false positives
- Developed method for online linkage procedures, without need to re-run entire algorithm

Garment Worker Center of Los Angeles

Los Angeles, CA

Data Specialist Intern

August 2018 – March 2019

- Advised management on effective database management
- Analyzed data from wage theft clinic to create materials for legislative campaign
- Spoke with worker members on the importance of maintaining records to collect data

Coalition of Immokalee Workers*Intern and Volunteer**Immokalee, FL**September 2013- September 2015**Interim Worker Education Coordinator, Fair Food Program**September 2015- August 2016*

- Maintained database records of worker training and worker abuse investigation findings
- Coordinated nearly 100 trainings for 5,000+ workers in Florida tomato industry
- Collaborated with local service providers to support human trafficking victims

ACADEMIC EXPERIENCE

STA 790 Group Leader (Duke University)*Fall 2020*

- Led small group of students in short course on entity resolution
- Guided students through record linkage literature, manage team research goals

Teaching Assistant (Duke University)*Spring 2020, Spring 2021*

- Conducted lab sessions and graded assignments for STA 102: Introduction to Biostatistics
- Assisted students using R for the first time
- Hosted office hours and grades assignments for STA 432: Statistical Inference

Summer Institute in Biostatistics (SIBS)*Summer 2018*

- Learned techniques of statistical analysis (regression, survival, proportional hazards, ect)
- Presented research on the effect of time-to-treatment variable in PURSUIT clinical trial
- Trained in ethics of statistical practice

PROFESSIONAL SERVICE

Outreach and Inclusion*Raleigh, NC*

- Duke Graduate Program and Fellowship Bootcamp (September 2019)
- Prospective diversity student outreach (April 2020, 2021)

ADDITIONAL INFORMATION

- Proficient in R and Python
- Familiarity with SQL
- Native-Equivalent Fluency in Spanish (Reading, Speaking, Writing)
- Published twice in Brown Journal of History