JULIAN BERNADO

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EDUCATION

University of Michigan *August 2023 - Now*

- Ph.D Student in the Department of Statistics

- Planning to exit program with M.S.

Stanford University *September 2018 - June 2023*

- B.S. in Mathematics

RESEARCH EXPERIENCE

Hansen Lab, *University of Michigan* *January 2024 - Present*

- Developing new methodology for causal matching in the hierarchical setting under Ben Hansen.

- Solving network flow problems to facilitate optimal treatment-control matching.

- Building models off of massive real-world dataset from the Texas Education Agency.

Statistics Summer Research Program, *Stanford University* *January 2022 - September 2022*

- Funded participant during summer months.

- Worked under Mike Baiocchi and Jordan Rodu on critique of Machine Learning in Oceanography.

Big Data Summer Institute, *University of Michigan* *June 2021 - August 2021*

- Funded participant of the SIBS program housed in the Biostatistics department.

- Worked under Johann Gagnon-Bartsch on BERT-based topic modelling of COVID vaccine Tweets.

Rehkopf Lab, *Stanford University* *January 2020 - June 2021*

- Funded member of the lab in the Department of Epidemiology and Population Health.

- Worked under David Rehkopf modelling EITC and heterogeneous childhood health outcomes.

TEACHING EXPERIENCE

Graduate Student Instructor, *University of Michigan* *August 2023 - Present*

- **(Fall 2024)** STATS 507: Data Science and Analytics using Python taught by Xian Zhang

- **(Winter 2024)** STATS 413: Applied Regression Analysis taught by Colin Fogarty

- **(Fall 2023)** STATS 250: Introduction to Statistics and Data Analysis taught by Alicia Romero

Grader, *Stanford University* *January 2023 - June 2023*

- **(Spring 2023)** MATH 120: Groups and Rings taught by Daniel Bump

- **(Winter 2023)** MATH 56: Proofs and Modern Mathematics taught by Irving Dai

TECHNICAL SKILLS

- **Programming Languages:** R, Python

- **Data Science Tools:** tidyverse, Pandas, NumPy

- **Software:** Git, LaTeX