

Roman Kouznetsov

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EXPERIENCE

University of Michigan

Ann Arbor, MI

Graduate Student Researcher

Aug 2019 - Present

- Building a model that determines spatial variability in gene expression in Python (using Torch and Pyro).
- Trying to exceed the computational efficiency of previous work done in this field, primarily through the use of vectorized programming and GPU capabilities.

Progressive Insurance

Cleveland, OH

Data Science Intern

May 2019 - Aug 2019

- Built a network graph of employment movement within the Claims Control Department.
- Created a package that allowed employees to gain access to an animated timelapse of employment movement.
- Used SQL Server to constantly pull the most recent data available to update the network model of employee movement.

Case Western Reserve University

Cleveland, OH

Data Preparation Researcher

Sep 2018 - May 2019

- Organized large data sets pertaining to spinal-cord injuries (SCIs) for analysis.
- Used generalized linear regression models in R to gather preliminary results about SCIs.

Harvard University

Boston, MA

Research Assistant

Dec 2017 - May 2018

- Created a 1300 observation data set with 9 measurable variables from scratch.
- Cleaned the data set to be used for regression discontinuity analysis.
- Analyzed the significance of regression discontinuity using Stata to conclude home rule law had no causal impact on median house prices.

EDUCATION

UNIVERSITY OF MICHIGAN

Ann Arbor, MI

Doctor of Philosophy (Ph.D.) Statistics Candidate (Expected graduation May 2024)

- **GPA:** 3.64
- **Relevant Coursework:** BIostat 615: Statistical Computing, STATS 507: Data Science and Analytics using Python, Statistics 600/601: Regression Analysis & Statistical Learning
- **Awards & Honors:** Rackham Science Award Recipient at University of Michigan

CASE WESTERN RESERVE UNIVERSITY

Cleveland, OH

Bachelor of Science (B.S.) Statistics (May 2019)

- **GPA:** 3.91
- **Awards & Honors:** Magna Cum Laude at Case Western Reserve University, Marvin J. Barloon Award Recipient at Case Western Reserve University

ADDITIONAL SKILLS

- Fluent in Russian
- Fluent in LaTeX
- 5+ Years of Tutoring Experience

CERTIFICATIONS

- Exam P (Score: 9)