JOHN M. NIEHAUS

Department of Statistics
Texas A&M University

College Station, Texas
77843

EDUCATION

M.A., Political Science — 2020
Texas A&M University, Ph.D program

B.A., Political Science; Psychology — 2014
University of Missouri

PROGRAMMING & LANGUAGES

- **R** (advanced)
- **Bash** (basic)
- **LaTeX** (advanced)
- **Stata** (intermediate)
- **Spanish** (advanced)
- **Portuguese** (basic)

PUBLICATIONS & WORKING PAPERS

Cook, Scott, John Niehaus, and Samantha Zuhlke. 2018. "A Warning on Separation in Multinomial Logistic Models." *Research & Politics,* 5(2):1–5. Link.

Jo, Hyeran, and John Niehaus. "Through Rebel Eyes: Rebel groups, human rights, and humanitarian law." *Law and Contemporary Politics*, 81(4):101-120. Link.

Niehaus, John and Scott Cook. "It's Easier Than You Think: Modeling Dynamics in Time-Series-Cross-Sectional Count Data." **Working Paper.**

TEACHING EXPERIENCE

Teaching Assistant

- Graduate
  - Time Series Analysis II: Advanced Topics — Sum. 2018 & 2019
    University of Michigan, Ann Arbor
- Undergraduate
  - Introduction to Political Science Research Methods — F2017
  - Introduction to Political Science — S2018
  - Introduction to Game Theory — S2020

EMPLOYMENT

Replication Analyst, *Political Science Research & Methods*, Cambridge Press 2018 – 2020

- Ensured that all code for accepted journal articles reproduced authors' scientific results
- Assisted authors in debugging their code
- Communicated with editorial staff and authors regarding article statuses

Graduate Research Assistant, *Texas A&M University* Aug. 2016 – 2020

- Collaborated with professors to produce peer-reviewed political science research articles
- Developed a new statistical estimation technique for time-series modeling of count data
- Programmed this estimator using the R language
- Conducted Monte-Carlo analyses using parallel processing on high capacity research computing cluster
- Imported and cleaned data sets using R language for future statistical analyses

Busser, *First Watch*, St. Louis, MO Jan. 2016 – Jun. 2016

- Assisted team members in the various areas of food service
- Translated between English and Spanish speaking employees in the restaurant

Community Support Specialist, *Burrell Health*, Columbia, MO Jan. 2015 – Jun. 2015

- Assisted clients in developing and realizing behavioral health treatment goals
- Linked clients with severe mental illnesses to community resources in order to foster independence
- Offered feedback and support to clients in mental health crises
- Documented and relayed pertinent treatment information to ensure continuity of care

RELEVANT COURSEWORK

1. Overview of Mathematical Statistics (STAT630) – Probability theory, theory of inference
2. Applied Multivariate Analysis and Statistical Learning (STAT636) – Supervised and unsupervised machine learning
3. Data Mining and Analysis (STAT639) – Supervised and unsupervised machine learning
4. Applied Categorical Data Analysis (STAT659) – Logistic, ordered, poisson regression
5. Mathematical Economics (ECMT660) – Calculus, linear algebra, infinite series
6. Quantitative Political Analysis I (POLS602) – OLS regression
7. Quantitative Political Analysis II (POLS603) – Maximum likelihood estimation, generalized linear models, measurement error
8. Advanced Political Research Methods I (POLS606) – Time-series and spatial modeling
9. Economic Forecasting (ECMT674) – Time-series & forecasting models