Connor Brubaker

Statistician

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Education

2020–2025 **Ph.D. in Statistics**, *Texas A&M University*, College Station, TX.

2016–2019 **B.S. in Mathematics**, *The University of Texas at Austin*, Austin, TX, GPA: 3.76.

Professional Experience

12/2019–7/2020 **Research Scientist Associate**, *Applied Research Laboratories*, Austin, TX.

- Implemented open source deep learning algorithms for object detection and tracking in Python.
- Researched and developed algorithms for high-dimensional latent clustering in TensorFlow for Python.
- Worked with a team to create educational materials for a site course in machine learning.

5/2019–8/2019 **Data Science Intern**, *Alerian*, Dallas, TX.

- Transformed website traffic data into a clear and concise report on the value of the company's advertising spending using time series forecasting and change point detection.
- Effectively sumamrized and communicated statistical analyses to company executives.
- Improved the accuracy and execution time for data operations by automating data update and population procedures in Excel VBA.

Teaching Experience

8/2021–Present **Graduate Assistant Lecturer**, *Texas A&M University*, College Station, TX.

- Instructed and lead students in the fundamentals of descriptive and inferential statistics.
- Rendered several hours per week for individual student tutoring.
- Prepared lesson plans, evaluation plans, and wrote and conducted exams.

8/2020–8/2021 **Graduate Teaching Assistant**, *Texas A&M University*, College Station, TX.

- Rendered several hours per week for individual student tutoring.
- Graded assignments, mid-term, and final exams.
- Prepared course materials such as assignment solutions and course notes.

Projects

2020 **rulsif.ts**, *R package*.
Implements relative unconstrained least squares importance fitting for change point detection in time series data. Available at https://github.com/connorbrubaker/rulsif.ts.

Computer languages and skills

- R (tidyverse)
- SQL
- Java
- Python (numpy, matplotlib, pandas)
- C/C++
- Bash/Shell (basics) and Linux