

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– **Research Scientist Associate**, Applied Research Laboratories, Austin, TX.

- 7/2020
 - 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– **Data Science Intern**, Alerian, Dallas, TX.

- 8/2019
 - 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 summarized 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– **Graduate Assistant Lecturer**, Texas A&M University, College Station, TX.

- Present
 - 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– **Graduate Teaching Assistant**, Texas A&M University, College Station, TX.

- 8/2021
 - 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
- SQL
- Java
- Python
- C/C++
- Bash/Shell (basics) and Linux