

NOAH LEDBETTER

After working with high schoolers and their educators, I excel at building long-term trust on diverse teams in project-based settings. I'm looking for a place that fosters growth and where I can learn and apply new statistical skills in industry.

Austin, Texas | [linkedin.com/in/noahledbetter](https://www.linkedin.com/in/noahledbetter) | noah@ndled.us | 512-986-0003

Machine Learning

Statistical Modeling

Analytics

Data Visualization

R

Python

SQL

Very strong technical & nontechnical communication

Public speaking & presentation

MATH DEPARTMENT HEAD

Manor New Technology High School | 2018 - 2021

- Manage 5 teachers through observation, feedback, and instructional coaching. Point of contact between the head of the school and my department on matters of policy, curriculum, etc. Currently teach dual-credit Pre-calculus & Advanced Placement Computer Science Principles.
- Independently launched the advanced placement computer science track at my school & hired an industry professional to teach cyber security
- Hired three assistant principals & 15 math & science teachers at various levels on the hiring committee. Drove revisions to the hiring framework to raise candidate quality in an unbiased, merit-based way
- Wrote a chrome widget for my team to automate the manual and incredibly time consuming process of logging parent contacts
- Developed the campus Advanced Academic program based on the districts general guidelines

MATH TEACHER

Manor New Technology High School | 2016 - 2018

- Brought the first dual-credit math course to the school with collaboration from UT, bridging curriculum gaps to bring students the ability to earn college credit
- Taught Geometry, Algebra, & Career Readiness at all levels

RESEARCH ASSISTANT

University of Texas at Austin | 2013 - 2014

- Data entry & analysis
- Student interviews & transcriptions

EDUCATION

M.S. IN MATHEMATICS: STATISTICS

Texas State University | 2018 - Current

Expected graduation December 2021

4.0 GPA

B.S. IN MATHEMATICS

The University of Texas at Austin | 2013 - 2015

3.5 GPA

COMPUTER VISION APPLIED TO "SPORTS" CASTING

2021

<https://github.com/ndled/OWLgameplay>

Python: tensorflow, cv2, numpy, pandas

Large data set, convolution neural network

AUSTIN BIKE USAGE

2021

<https://github.com/ndled/AustinBikes>

R: tidyverse, ggplot, e1071, lubridate, randomforest, gbm

Complex data cleaning

ELECTION MODELING

2019

<https://github.com/ndled/BI>

R: ggplot, dplyr, tidyverse

Bayesian Inference

PRESENTATIONS

"Mastery of Project Based Learning for Secondary Teachers" Co-Presenter: Jazmine Castanon. Presented at MPACT, August 2019, Manor, TX.

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"PBL Failures: When and How to Pull the Plug" Co-Presenters: Sierra Pedroza, Jasmine Castanon. Presented at the Belton New Tech PBL Symposium, February 2017, Belton, TX.

"#teachingsurvivors" Co-Presenters: Jasmine Castanon, Rikki Foster. Presented at UTeach Alumni Conference, July, 2016, Austin, TX.

"Cluster analysis as a tool for qualitative research: The case of scale construction". Co-Presenter: Dr. Cesar Delgado. Presented at the Annual Conference of the American Educational Research Association (AERA), April 2014, Philadelphia, PA.