

David Failing

LEAD DATA SCIENTIST | INSIDE TRACKER

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Experience

InsideTracker

LEAD DATA SCIENTIST

Cambridge, MA

Feb 2023 - present

SENIOR DATA SCIENTIST

Dec 2021 - Feb 2023

- Work with data from blood, DNA, and wearables to drive product innovation and science-based marketing.
- Instituted automated GitHub Issues and Google Forms based ticketing system to efficiently manage internal consultancy.
- Planned, developed, and deployed internal R package for templating and standardized data processing.
- Initiated and administered Posit Connect based dashboard and reporting system.

RStudio

DATA SCIENCE EDUCATOR (CONTRACT)

Boston, MA

Aug 2021 - Jan 2022

EDUCATION INTERN

Jun 2021 - Aug 2021

- Developed tidyverse curriculum for R users using learnr, gradethis, and RMarkdown.
- Maintained exercises and R packages in a Git repository using Github.
- Mentored small groups of novice R users in accelerated, project based short-course format.

Coconino Community College

PART-TIME FACULTY IN MATHEMATICS

Flagstaff, AZ

May 2020 - present

- Teach one web-based general education course per semester for groups of 10-25 students.

Northern Arizona University

GRADUATE ASSISTANT

Flagstaff, AZ

May 2020 - May 2021

- Managed and mentored teams of 4-5 students in professional communication on capstone projects for corporate clients.

Lewis University

ASSISTANT PROFESSOR OF MATHEMATICS

Romeoville, IL

Aug 2017 - Aug 2020

- Taught undergraduate and graduate level mathematics and data science courses.
- Directed honors program (Scholars Academy) with \$125,000 annual budget.
- Co-chaired themed contributed paper session on effective teaching innovation at annual MAA Mathfest (4 years).

Quincy University

ASSISTANT PROFESSOR OF MATHEMATICS

Quincy, IL

Aug 2014 - May 2017

- Taught undergraduate mathematics courses.
- Researched and developed inquiry-based courses for mathematics major with support from \$2500 external grant.

Skills

- Languages & Platforms: R, SQL, \LaTeX , Python
- R Packages: tidyverse, rmarkdown, ggplot2, shiny
- Python Libraries: numPy, pandas, Scikit-Learn, matplotlib
- Tools: GitHub & GitHub Projects, RStudio Connect, Jupyter

Education

Iowa State University

PHD MATHEMATICS

Ames, IA

2013

Truman State University

BS MATHEMATICS, BA PHILOSOPHY & RELIGION

Kirkville, MO

2008