Taylor Grimm

Website: trgrimm.github.io
Email: taylorgrimm14@gmail.com
LinkedIn: trgrimm

Education

Baylor University — Waco, TX
Ph.D. in Statistical Science, Advisor: Dr. Amanda Hering — Jul. 2021 – 2025 (Expected)

Baylor University — Waco, TX
M.S. in Statistical Science, GPA: 3.96/4.00 — Jul. 2021 – Dec. 2022

Brigham Young University — Provo, UT
B.S. in Statistical Science, minor in Mathematics, GPA: 3.99/4.00 — Aug. 2018 – Apr. 2021

Experience

Baylor University — Waco, TX
Graduate Assistant - Research — Jul. 2022 - Present

- Building upon existing multivariate statistical process control methods to improve fault detection in complex processes.

Graduate Assistant - Statistical Consulting — Jan. 2022 – Jul. 2022

- Assisted clients across various disciplines in answering questions of interest using data.
- Adapted to different problems by studying and applying a variety of statistical methods to produce quality reports and insights.

Graduate Assistant - Data Science Workshop Development — Aug. 2021 – Dec. 2021

- Assisted in the development of a data science workshop (using R) for water/wastewater treatment industry professionals.
- Created practice problems and solutions for various topics ranging from data wrangling and visualization to statistical and machine learning models.

Brigham Young University — Provo, UT
Statistics Research Assistant — Jun. 2020 – May 2021

- Built and used Bayesian multivariate receptor models (using R and Stan) to analyze and understand noisy environmental data.
- Produced useful visualizations with the ggplot2 and ggmap packages in R.
- Read dozens of relevant publications and research papers to glean information for research.
- Regularly communicated and discussed results and findings.

Publications

[1] M. Heiner, **T. Grimm**, H. Smith, S. Leavitt, W. Christensen, G. Carling, and L. St. Clair, "Multivariate Receptor Modeling with Widely Dispersed Lichens as Bioindicators of Air Quality", *Submitted to Environmetrics*, 2022+.

Research Experience and Interests

- Multivariate statistics
- Machine learning
- Time series

Presentations

- "Bayesian Multivariate Receptor Modeling with Lichens as Biomonitors," Student Research Conference, Brigham Young University, February 2021.

Computer Skills

- **Advanced:** R
  - tidyverse (dplyr, ggplot2, etc.), RMarkdown
- **Proficient:** LaTeX
- **Working Knowledge:** SAS, Python
  - pandas, numpy, sci-kit learn

Languages

- **English:** Native
- **Tagalog:** Advanced