Zachary Higa
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Objective Statement

Motivated graduate student pursuing a position to gain valuable experience in working with large-scale data problems and data research as I work towards a future career as a data scientist.

Education

- University of Idaho (Present)
    - Expected graduation date: December 2023
    - Pursuing a M.S in Statistical Science
    - Cumulative GPA: 4.00
- University of Hawaii at Manoa
    - Graduated with a B.S. in Mathematics in July 2021
    - Cumulative GPA: 3.93

Skills Summary

- Comfortable communicating and presenting in larger group settings
- Experience programming in Java, R, SAS, Python, and SQL
    - Took a graduate level course on Machine Learning in Python (CS 577)
    - Took a course on programming in R and SAS (STAT 419)
- Experience collaborating with others on projects through Github
- Proficient in using Microsoft Office, Word, Excel, and PowerPoint

Experience/Service

- Proctor and Event Supervisor for Science Olympiad Invitationals and State Tournaments from 2017-2019
- Ran a Science Olympiad Coaches' Training Seminar for the Remote Sensing Event in 2017
- Grader at the University of Hawaii at Manoa
    - Math 244 (Calculus IV) in Spring 2018
    - Math 302 (Intro to Differential Equations I) in Fall 2019

Projects

- Gender Inequity in the Athletic Department at the University of Hawaii at Manoa
    - In R, analyzed datasets from a compilation of UH's EADA reports from 2003-2018
- Fashion MNIST Classification Using Convolutional Neural Networks
    - In python, trained a model using a convolutional neural network to classify ten different classes of clothing articles
- abc.mse R Package
    - Developed an R package that uses approximate Bayesian computation to find the posterior distribution of parameters from three given distributions
    - Package available for installation in a repository on Github

Accomplishments/Achievements

- University of Hawaii at Manoa Provost Scholarship Recipient (August 2017 - May 2021)
- University of Hawaii at Manoa's Dean List in Fall of 2017 to 2020 and in Spring of 2018 and 2019

Activities

- Member of Hawaii Chapter of Phi Beta Kappa - From April 2021 to Present
- Member of Hawaii Chapter of the National Society of Collegiate Scholars - From March 2021 to Present