

Sam Kinghorn

Nashville, TN 37205 • (765) 744-2195 • sjkinghorn@gmail.com • [Website](#)

Education

Ball State University, Muncie, IN

Master of Science in Statistics

Expected: May 2023

GPA 4.00/4.00

- Thesis: Weibull Neural Network Survival Models with Frailty
 - Used neural networks to automate feature engineering and model building.
 - Found that neural network models performed better in predictive performance when there are complex relationships between features and response.
 - Presented above findings and made recommendations to thesis committee. Currently working towards publication of results.
- Developed machine learning models in R and Python using tidyverse, scikit-learn, and PyTorch.
- Synthesized data using visualizations to extract key insights for non-technical audiences.
- Coursework in machine learning, optimization, generalized linear models, and theory of statistics.

Bachelor of Science in Accounting

May 2021

GPA: 4.00/4.00, summa cum laude

Significant coursework in economics

Miller Business Honors Program

Experience

Ball State University

Muncie, IN

Graduate Assistant – Department of Economics

August 2021 – Present

- Automated generation of student video viewership reports in Python to drive student engagement.
- Tutor five sections of business statistics and lead student review sessions covering descriptive statistics, probability, and inference.
- Support department faculty with curriculum, research, and administrative work.

Katz, Sapper, and Miller

Indianapolis, IN

Tax Intern

January 2020 – April 2020

- Gathered trial balance and other client information from company database for preparation of individual, corporate, and trust tax returns.
- Trained in CCH ProSystem fx Tax to prepare accurate, compliant, and timely tax returns.
- Collaborated with eight colleagues on the completion of 600+ First Merchants Bank trust returns.

Center for Business and Economic Research

Muncie, IN

Student Researcher

May 2019 – August 2019

- Analyzed government data in excel (vlookup, pivot tables, etc.) for use in ongoing research projects related to economic policy.
- Examined academic articles for literature reviews using Google Scholar.
- Acquired annual county level economic data through research databases.

Tools and Technologies

Technical Skills

- | | | | |
|----------|--------------|----------------------|-------------------|
| • Python | • R | • Data visualization | • Data cleansing |
| • SQL | • Tableau | • Regression | • Neural networks |
| • Stata | • HTML & CSS | • Machine Learning | • Programming |
| • Excel | • Git | • Web scraping | • Web development |