

Sam Kinghorn

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

Education

Ball State University

Master of Science in Statistics

GPA 4.00/4.00, summa cum laude

- Thesis: Weibull Neural Network Survival Models with Frailty.
- 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.

Muncie, IN

May 2023

Bachelor of Science in Accounting

GPA: 4.00/4.00, summa cum laude

Significant coursework in economics

Miller Business Honors Program

May 2021

Experience

HCA Healthcare – Urgent Care

Business Analyst I

Nashville, TN

May 2023 – Present

- Automated location search in Google Maps to identify key retail intersections and competitor locations across all markets.
- Analyzed new market de novo strategy for Jacksonville and Richmond using site selection analysis, competitor mapping, and web scraping tools.
- Web scraped the top six urgent care competitor locations using Python for market share analysis, saving hours of manual work.
- Investigated the impact of a physician double coverage staffing model on patient volume to inform decisions for nearby de novo growth.
- Determined average patient drive time to be used in site demographic analysis and compiled the findings into an interactive Power BI dashboard.
- Gained knowledge of the financials surrounding urgent care clinics, including provider staffing, patient volume predictions, and capital expenditures.
- Support development of de novo business cases by drafting pro formas, estimating cannibalization, and mapping assets and competitors.
- Explore statistical models that predict year one clinic volume as well as update training data set to include recently opened clinics.
- Actively research process efficiencies in Alteryx, such as global constants, dynamic file paths, and excel templates, to automate workflows.
- Utilize CareTRAC Salesforce platform to add site data and pull reports.
- Visualize HCA assets in each market using Esri ArcMap to target areas for growth.
- Assist in market research by updating urgent care competitor database.
- Provide ad hoc analysis surrounding site demographics, urgent care saturation, HCA care coordination, cannibalization metrics, etc.

Tools and Technologies

- Python
- Alteryx
- Excel
- SQL
- R
- Power BI
- Esri ArcMap
- HTML/CSS

Technical Skills

- Data visualization
- Regression
- Machine Learning
- Web scraping
- Data cleansing
- Spatial Analysis
- Programming
- Automation