Conor Nield

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EDUCATION

University of Illinois - Urbana-Champaign   Champaign, IL
Bachelor's in Statistics   Expected Graduation Date: May 2025
- Business Minor; Political Science Minor

EXPERIENCE

Forumm - Startup that assists universities in hosting alumni events   Lisbon, Portugal
Data Analyst/Front End Developer Intern   June 2024- August 2024
- Led data analysis efforts at a startup as the sole data analyst
- Developed a metrics page, using typescript, that automated basic data analytics to visualize an online events performance
- Developed seamless data integration system that allowed raw data to transition directly to universities
- Worked directly with two universities to analyze respective events performance

Kams - Bar   Champain, Illinois
Bartender, Barback, Doorman   April 2022- Present
- Worked my way up from a doorman to a bartender in less than a year
- Bartender: Successfully handled the responsibility of bringing customers to my shifts, sometimes facilitating more than 100 open tabs at once
- Barback: Maintained an inventory of liquor, beer, and ice, catering to the needs of up to 8 bartenders at once
- Doorman: Maintained a safe environment for customers and coworkers, and handled tough situations with calmness and clarity

PROJECTS

MLB Batting Order Analysis
- Aimed to Identify how much batting order has an impact on scoring during an MLB season, and what batting order strategies lead to more runs.
- Used three data frames to create a single data frame that displays every regular season batting lineup in the 2017-2019 seasons. This included the runs scored in the first 9 innings, and seasonal stats for each of the first 6 batters.
- Utilized R to create a linear regression model that predicted the number of total runs based off of the first 6 batters in season stats.
- Using a forward AIC elimination method, the optimized model considered on base percentage, steals per game, sluggage, and home runs per game for each of the first 6 batters
- Developed this model into an r shiny app that allows a user to input these stats for the first 6 batters and outputs the expected runs, a batting order that optimizes expected runs, and the expected runs for the optimized order

Analysis of Soybean Prices Time Series in R
- Aimed to analyze seasonal fluctuations in national soybean price using a time series of soybean price
- After taking the log transformation and differencing the series. We found a large autoregressive heteroskedasticity effect
- To correct this we deployed a generalized autoregressive centralized heteroscedasticity (GARCH) process on the time series
- After considering 24 different GARCH models we chose an exponential GARCH model with a student t-distribution, and an autoregressive lag of 1
- The model effectively captures general trends and periodic fluctuations in Soybean return rates, although it does tend to underestimate extreme volatility events, especially negative ones.

ACTIVITIES

Delta Chi   Champaign, IL
Fraternity Treasurer   November 2022- November 2023
- Oversaw a $23,000 social budget, generating monthly financial reports for the fraternity's executive board to offer lucid insights into expenditure trends and financial standing
- Negotiated with vendors for events and services, achieving cost reductions while maintaining quality
- Guided new members in understanding financial processes and responsibilities within the fraternity
- Utilized Microsoft Excel to track budgets and forecast financials