

# Noah Johnson

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Pragmatic, analytically minded problem solver who works tirelessly to find digestible yet impactful solutions to complex issues. Adaptable team player who seeks out input from peers to create a more comprehensive result.

## SKILLS

**Statistical Concepts:** Linear Regression | Logistic Regression | Data Mining | Machine Learning | Optimization

**Programming** (from most to least fluent): Python | R | SAS | SQL | Java | C/C#

**Software:** Tableau | Google Suite | Microsoft Suite

**Certifications:** SAS Certified Specialist: Base Programming using SAS 9.4

## EDUCATION

### Master of Science, Analytics

June 2022-May 2023

*Institute for Advanced Analytics, NC State University; Raleigh, NC*

### Bachelor of Science, Applied Mathematics and Computer Science

August 2018-May 2022

*Furman University; Greenville, SC*

- ✓ Summa Cum Laude Graduate, Winner of the 2022 Data Analytics Award for Excellence

## PRACTICUM

### Blue Cross Blue Shield Minnesota

*Communications Lead*

- ✓ Analyzed the performance of the In-Home Health Assessment Program to increase engagement rates.
- ✓ Developed interpretable, predictive models to identify members more likely to benefit from the program as a non-traditional, preventative care intervention.
- ✓ Tracked goals for monitoring conditions and ensuring members are receiving continued care.
- ✓ Utilized tools such as R, Python, and Tableau to manipulate, analyze, and visualize over 150k rows of de-identified data.

## ACADEMIC EXPERIENCE

### Undergraduate Business Analytics Practicum

Jan 2022—May 2022

*Mather Economics*

- ✓ Implemented a random forest model in Python, with 85% accuracy in determining a customer's outcome.
- ✓ Diagnosed failed linear regression assumptions and implemented logistic regression models in R.
- ✓ Facilitated communication between project team and Mather Economics.

### Summer Undergraduate Research

May 2019—Aug 2019, May 2020—Aug 2020

*Furman University Mathematics / Computer Science Departments*

- ✓ Worked with a student and faculty team to attempt to build a recommender system in Python for Walt Disney World hotels, specifically geared towards first-time guests to the resort.
- ✓ Optimized and derived algorithms to find a set cover in 3-dimensional grid graphs
- ✓ Refined a model on and developed a Java application for defensive shifts in Major League Baseball

### Math/Computer Science Teaching Assistant/Lab Aide

May 2019—Aug 2019, May 2020—Aug 2020

- ✓ Assisted peers with calculus, statistics, Python, and data mining coursework for five semesters
- ✓ Worked with faculty to help facilitate assigned labs and held open office hours to assist on an as-desired basis