Matthew Christopher Johnson

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EDUCATION

University of North Carolina at Chapel Hill

M.S. Data Science and Analytics — Expected Graduation May 2022

B.S. Statistics and Analytics; Minor in Mathematics 3.5 GPA — May 2020

Technology Stack: R, SQL, Git, Tableau, Python

Select Coursework:

- Statistical Consulting
- Data Science
- Generalized Linear Models
- Machine Learning
- Statistical Computing
- Spreadsheet Models
- Stochastic Modeling
- Database Management
- Applied Statistics
- Linear Algebra
- Sports Analytics

Select Projects:

1. **NFL Regularized Adjusted Field Position Contribution**
   - Created a new metric for evaluating player performance during special teams plays in order to rank players regardless of position
   - Applied Ridge regression to quantify the impact of individual players on offense and defense to assist on-field decision makers with personnel selection for punting plays
2. **NHATS Impact of Frailty on Health-Related Quality of Life (HRQoL)**
   - Implemented logistic regression on the National Health and Aging Trend Study data to evaluate the relationship between the five major characteristics of frailty and HRQoL in elderly adults
   - Discovered that all frailty measures are significantly associated with declining quality of life indicating frailty status should be closely monitored to increase longevity

EXPERIENCE

Drifters Lodge, *Full service fishing lodge on the scenic Kenai River*

Cooper Landing, AK

Fishing Guide — Summer 2020 & 2021

- Guided resort clients on hiking and fishing excursions guaranteeing customer safety and satisfaction
- Performed back-office sales and scheduling to ensure profitability during Covid-19 pandemic
- Coordinated trip logistics to maximize efficiency of guide services and client engagement

Financial Industry Regulatory Authority

New York, NY

Intern, Advanced Analytics — Summer 2019

- Developed automated data processing tools in R to increase efficiency and ensure precise results
- Analyzed web app data to enhance app proficiency and usability assuring beneficial experience for users
- Provided Ad Hoc data cleaning and manipulation to assist analysts with daily tasks
- 1 of 4 interns (37 total) selected to receive special recognition for hard work and contribution

COMMUNITY INVOLVEMENT

Eve Carson 5k for Public Education, *5k to benefit the Eve Carson Scholarship Foundation*

Chapel Hill, NC

Volunteer — October 2016, 2017, 2018

- Supported event logistics and runner sign up to help generate $50,000+ annually

LANGUAGES, ACTIVITIES & INTERESTS

Languages: Conversational in Spanish

Activities & Interests: Fly Fishing, nflfastR, UNC Basketball, Baltimore Ravens, Hiking, Alt Rock, Travel