

Education

University of North Carolina at Chapel Hill

Aug 2021 - May 2025

- Statistics & Analytics B.S · Exercise and Sport Science - Sport Administration B.A · Data Science Minor
- Cumulative GPA: 3.99; Dean's List 2021, 2022, 2023
- Relevant Coursework: Predictive Modeling, Machine Learning, Sports Analytics, Data Science.

Work Experience

Sport Science and Data Analytics Intern at UNC Athletics

Aug 2023 - Present

- Collaborate closely with VXsport and PlayerData to manage GPS trackers and data, building and maintaining interactive Power BI dashboards to elevate the analysis of performance and workload of games and practices.
- Operate ForceDecks devices to assess player performance in jumps, strength, asymmetry, and fatigue levels in VALD through various movement tests, and create Player Profiles in Power BI to show player development.
- Spearhead a predictive modeling project using R to forecast injured player workload, developing an interactive dashboard that allows athletic trainers to customize rehabilitation strategies.
- Master Excel for comprehensive data collection and analysis, and leverage Microsoft Teams to centralize data access, facilitating seamless collaboration with coaching staff across 20 sport programs.
- Proactively communicate and present data insights with coaching staff, S&C coaches, and athletic trainers through weekly and daily meetings, translating complex analytics into actionable insights.

Business Intelligence Intern at The Rams Club

Aug 2023 - Dec 2023

- Developed and optimized SQL queries for managing data from CRM system, significantly enhancing data integration and analysis processes for Digital Marketing, Ticket Sales, and Fund-Raising.
- Collaborated with cross-functional teams to design and maintain Tableau dashboards, streamlining data visualization and cross-departmental communication.
- Led and executed a comprehensive digital marketing analysis of over 2000 emails, identifying key trends and actionable insights, contributing to a 3% increase in email conversion rates for targeted marketing campaigns.

Assistant Coach at UNCCWBL (Women's Basketball Club Team)

Feb 2022 - Present

- Support head coach in practice and games, focusing on over 20 players and individual training sessions.
- Analyze game clips to assess team performance and individual player skills.

University Group Projects

NBA Game Prediction: Spread, Total, and OREB

- Utilized the `nbastatR` package in R, Kaggle, and web-scraping to compile NBA statistics.
- Conducted variable modification, new metric creation, and variable selection for model refinement.
- Created and evaluated Linear, Poisson, Ridge, and Polynomial models, for predicting game outcomes.

Analyzing the Indian Urban Housing Market: A Predictive Modeling Approach

- Employed Linear Regression, Polynomial Models, and Elastic Net models in R to predict rent prices and Logistic Regression and KNN Clusters models to predict tenant preferences.
- Applied data transformations, feature extraction, model optimization, and cross-validation techniques.

Relevant Skills

- Data Analysis and Visualization: R, SPSS, SQL, Tableau, Power BI
- Microsoft 365: Word, Excel, PowerPoint, Outlook, Teams
- Languages: Mandarin (native), English (full professional)

References

- Erik Hernandez - Associate Director of S&C for Olympic Sports at UNC Athletics
Contact: ehhernan@email.unc.edu - 630-930-9805
- Mario Giacomazzo - Teaching Assistant Professor at UNC Statistics & Operations Research
Contact: mgiacoma@email.unc.edu - 919-962-3839