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April 9, 2025

Bryant Davis
Miami Marlins Baseball Operation
501 Marlins Way
Miami, Florida 33125

Dear Mr. Davis,

RE: BASEBALL ANALYST POSITION

I am writing to apply for the Baseball Analyst position with the Miami Marlins. My resume is attached. This month I will complete my Bachelor of Science degree in Statistics from Dalhousie University and am prepared to defer my pursuit of a Master's degree in Business Analytics at York University, which I am scheduled to start in the Fall. With a solid background in statistical modeling and a passion for baseball, I am excited about the opportunity to contribute to your team. My experience in data analysis, specifically in the development of predictive models and application of advanced statistical techniques, aligns well with the responsibilities outlined for this position.

Through my academic and project experience, I have developed a deep understanding of statistical modeling and Bayesian analysis, tools I believe are essential for predicting player performance and contributing actionable insights to the Marlins' front office. In my project, Bayesian Analysis of Whiff % in Rookie Pitchers, I constructed a model that quantified true talent levels amid small-sample noise by applying a Beta conjugate prior and checking my estimate with the Bayes estimate and a 95% credible interval. This project is just one example of how I have applied my technical skills to the world of baseball, and I am eager to bring that expertise to your team.

In addition to my technical abilities in Python, R, SQL, I have experience using tools like PyMC, Prophet, and Scikit-learn to build models and analyze large datasets. My previous role as a Quantitative Risk Analyst with the Dalhousie Investment Society allowed me to further hone my ability to work with complex data and develop actionable insights, skills applicable to supporting the Marlins' baseball operations.

I am eager to contribute to the Marlins' pursuit of data-driven decision-making. Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to your team.

Sincerely,

Lucas Ben