



5 Courses

- Foundations of Sports Analytics: Data, Representation, and Models in Sports**
- Moneyball and Beyond**
- Prediction Models with Sports Data**
- Wearable Technologies and Sports Analytics**
- Introduction to Machine Learning in Sports Analytics**



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**Shriram S**

has successfully completed the online, non-credit Specialization

# Sports Performance Analytics

Drawing from real data sets in Major League Baseball (MLB), the National Basketball Association (NBA), the National Hockey League (NHL), the English Premier League (EPL-soccer), and the Indian Premier League (IPL-cricket), you'll learn how to construct predictive models to anticipate team and player performance. You'll also replicate the success of Moneyball using real statistical models, use the Linear Probability Model (LPM) to anticipate categorical outcomes variables in sports contests, explore how teams collect and organize an athlete's performance data with wearable technologies, and how to apply machine learning in a sports analytics context.

*Stefan Szymanski*

Stefan Szymanski  
Stephen J. Galetti  
Professor of Sport Management  
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Lecturer  
School of Kinesiology,  
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Christopher Brooks  
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