Study Project Proposal

Student Details

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Topic

Sports Data Analytics and Performance Prediction

Objectives

The project will involve researching how to
1. Analyze sports data
2. Obtain useful insights from data
3. Identify the quality of a player/team and find undervalued players
4. Predict player/team performance, by using Machine Learning techniques on sports datasets
5. Optimize player/team training, recovery, and performance using above the concepts

Reason

The following are the reasons for choosing this topic
1. Intersection of multiple interests of mine
    1. Programming
    2. Analytics
    3. Sports
2. Application-based approach to Machine Learning
3. Data analytics (especially for Sports) is a rapidly-growing field
4. There is vast potential in Sports Analytics
    1. Large number of clubs are now trying to optimize using data, instead of just using old-fashioned intuition
    2. Coaches can now eliminate 'guessing' and use algorithms to help make otherwise complex decisions