

Relationship Between Star Players and Team Performance

Discover the relationship between star players and team performance in the Chinese Professional Baseball League.

Project Overview

This project explores how star players impact team performance.

By using **logistic regression** and **random forest models**, we aim to identify the key variables that influence a team's chances of winning.

Content

- Remove variables that may cause **multicollinearity**
- Analyze the **relevance of star player variables** that may affect team performance using logistic regression
- Assess the **contribution of each variable** using random forest

Tools & Languages

- R
- Excel

Models & Methods

- Logistic regression
- Random forest

Results

- Star players have a fundamental impact
- Game results are also shaped by a complex array of non-linear factors