



IPL & ANALYTICS: A MATCH WINNING PARTNERSHIP

Why is it of prime importance?

- Fast paced game
- Less decision making time
- Less scope for taking wrong decisions
- Huge pool of players to analyze the best combinations
- Competitor analysis
- Customized team plan based on venue and opponent
- Huge subscription on OTT platforms
- Abundance of data and data collection technologies like video analysis of players.



IPL





BATTING METRICS USED (PLAYER LEVEL)

Consistency

(Total Run score/no. of dismissals)

Finishing

(No of not outs/total innings played)

Fast Scoring Capacity

(Total runs/balls played)

Hard hitting

$((4s + 6s) / \text{no. of balls played})$

Running b/w wickets:

$(\text{Total Runs} - (\text{Fours} + \text{Sixes})) / (\text{Total Balls Played} - \text{Boundary Balls})$



BOWLING METRICS USED (PLAYER LEVEL)

Economy	$\text{Runs Scored} / (\text{Number of balls bowled by bowler} / 6)$	
Wicket Taking Ability	$\text{Number of balls bowled} / \text{Wickets Taken}$	
Consistency	$\text{Runs Conceded} / \text{Wickets Taken}$	
Crucial Wicket Taking	$\text{Number of times four or five wickets taken} / \text{Number of innings played}$	
Short Performance Index	$(\text{Wickets Taken} - \text{Number of Times Four Wickets Taken} - \text{Number of Times Five Wickets Taken}) / (\text{Innings Played} - \text{Number of Times Four Wickets or Five Wickets Taken})$	



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Save for later!





FIELDING METRICS USED (PLAYER LEVEL)

Fielding
Consistency
(Easy
chances)



Fielding
Consistency
(medium
chances)



Fielding
Consistency
(Tough
chances)



Wicket
hitting
ability





APPROACH & METHODOLOGY

1 Calculate Metrics



Identify Metrics Ranges



Calc. absolute values of metrics player wise



Normalize values

2. Feature Selection



Recursive
Feature
Elimination



Weight
Assignment
to feature

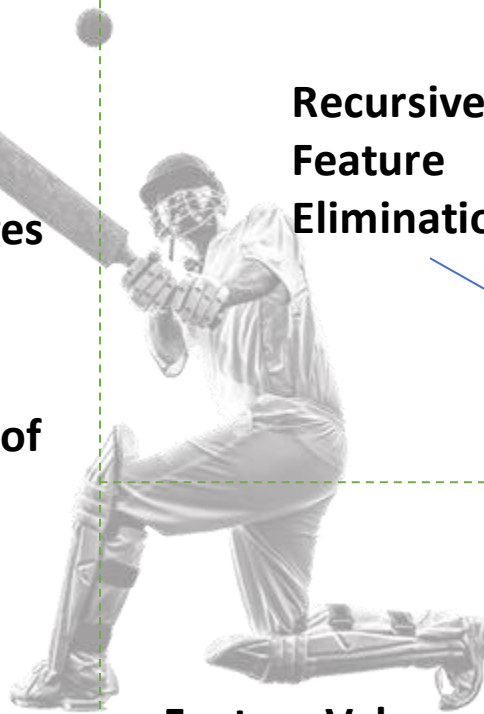
3. Player Ranking



Feature Value
 \times
Feature Weight



Aggregate
Score based
ranking





VIEWERSHIP ENGAGEMENT

- Driving app based views for better personalized used data
- Pushing news notifications and exciting short feeds to keep users engaged
- Creating fan zone of individual teams by separate apps to keep users engaged with team and IPL as a whole
- Ball by ball estimate games to keep viewers screened
- Monetizing Sponsors via ads in apps
- Inside views of match by showing deep analytics dashboards for in pre and post match analysis
- Various in match data stats to keep viewers interested.
- The live match winning predictor also keeps users intrigued to keep track of progress



SPOT FIXING DETECTION BY BCCI

Key Pointers:

- New initiative by BCCI in IPL 2020 to curb spotfixing using analytics
- Platform to analyze global market of various online bets occurring and link it to the live match events.
- Identify odds in betting which have unusual trend and mark a potential red flag.
- Company **Sportradar** has been provided contract to carry out these analysis.

