

## **BREIF EXPLANATION OF HOW THAT QUERIES HELPS IN SCOUTING!!!!**

### **FOR BATSMAN:**

1. **Batting Strike Rate:** Indicates how quickly a batsman scores runs, crucial for identifying explosive players.
2. **Boundary Percentage:** Shows a player's ability to hit big shots, useful for finding power hitters.
3. **Dot Ball Percentage:** Reveals a batsman's consistency in scoring and ability to rotate strike.
4. **Average Runs per Over:** Helps identify players who can maintain a high scoring rate throughout their innings.
5. **Dismissal Rate:** Indicates a batsman's ability to stay at the crease, important for finding reliable anchors.
6. **Performance Against Specific Bowlers:** Highlights a player's strengths or weaknesses against different bowling styles.
7. **Performance in Different Phases of the Innings:** Shows a player's versatility and effectiveness in various match situations.

These metrics, when analyzed together, provide a comprehensive view of a player's batting skills and help scouts identify talents that best fit their team's needs and strategies.

### **FOR BOWLERS:**

1. **Economy Rate:** Identifies bowlers who are good at restricting runs.
2. **Bowling Strike Rate:** Highlights bowlers who take wickets frequently.
3. **Bowling Average:** Balances wicket-taking ability with run restriction.
4. **Dot Ball Percentage:** Shows bowlers who can build pressure by bowling dot balls.
5. **Boundary Percentage:** Identifies bowlers who are good at preventing boundaries.
6. **Performance in Different Phases:** Helps identify specialists for different parts of the innings.

When using these for scouting:

- Compare bowlers' performances against each other and league averages.
- Consider the role you're scouting for (e.g., death overs specialist, powerplay bowler).
- Look at these metrics across multiple matches for more reliable insights.

Considering the venue in scouting is crucial, as player performance can vary significantly based on different grounds.

For scouting purposes, this venue-based analysis is valuable because:

1. Home Ground Advantage: It helps identify players who perform exceptionally well at their home ground.
2. Pitch Conditions: Different venues have different pitch characteristics (spin-friendly, pace-friendly, etc.). This analysis helps spot players who excel in specific conditions.
3. Ground Dimensions: Some players might perform better in grounds with shorter boundaries.
4. Adaptability: Players who perform consistently across various venues demonstrate good adaptability.
5. Strategic Selection: For away matches, teams can select players who have historically performed well at the specific venue.
6. Matchups: It can reveal how certain players perform against specific teams at particular venues.

When using this for scouting:

- Look for players with consistently high-performance rates across multiple venues.
- Identify specialists for certain grounds.
- Consider the sample size (deliveries) for each venue to ensure the data is representative.
- Compare a player's performance at a venue against the average performance at that venue.
- Use this data to make informed decisions about team selection for upcoming matches at specific venues.

This Venue Analysis must not be based on only for One Year. Here I have done for 1 Year. In future I will do for last 4 seasons.