

CRICKET ANALYTICS

Introduction:

Cricket, like many other sports, has witnessed a significant shift in recent years due to the rise of analytics. Data-driven insights have become crucial for cricket teams to optimize their performances on the field. The concept of cricket analytics can be traced back to the early 2000s when the Australian cricket team, under the leadership of Steve Waugh, started using data to analyze their performance. However, it was the emergence of the Indian Premier League (IPL) and the concept of Tableau that truly revolutionized cricket analytics.

Tableau Concept:

Tableau is a data analytics platform that was first introduced by the Kolkata Knight Riders (KKR) during the 2015 IPL season. Developed by CricViz, Tableau enabled KKR to analyze data related to players and opponents, providing them with valuable insights for data-driven decision-making.

1. Team Selection:

Tableau enables teams to analyze player performances in different conditions and against various oppositions, helping them make informed decisions on team selection. For instance, Sunil Narine's effectiveness against left-handed batsmen showcases how critical this information can be for specific match strategies.

2. Game Planning:

Tableau provides detailed insights into the strengths and weaknesses of the opposition team. This helps teams formulate game plans exploiting the opposition's vulnerabilities and playing to their strengths. The example of Kolkata Knight Riders using spin bowlers early against the Chennai Super Kings highlights how this approach can lead to early wickets and hinder the opposition's scoring.

3. Performance Analysis:

Tableau assists in analyzing player performances across various conditions and against different opponents, aiding in team selection and strategy development. It can also be used to assess overseas players' performances and determine suitable picks for specific matches.

4. Talent Identification:

Tableau helps identify and develop young talent by analyzing their performances in domestic cricket, enabling teams to invest in and groom promising players for the future.

5. Pitch Analysis:

Tableau allows teams to analyze data related to different pitches and how they impact player performances, helping them strategize based on pitch conditions.

6. Opponent Analysis:

Tableau aids in analyzing data related to opponents' playing styles and strategies, assisting teams in preparing their own strategies accordingly.

7. Injury Analysis:

Tableau can be used to analyze data related to player injuries and recovery times, helping teams develop injury prevention strategies.

8. Player Development:

Tableau assists in analyzing individual player performances and identifying areas for improvement, such as batting or bowling techniques.

Conclusion:

In conclusion, the case study on cricket analytics and the game-changer concept of Tableau has shed light on the transformational role of data-driven insights in the sport of cricket. Over the years, cricket has witnessed a substantial shift, with analytics playing a pivotal role in optimizing team performances on the field.