

BI PROJECT

India in T20 World Cup 2022

Business Problem

Team who entered the T20 world cup 2022 tournament ranked as the world's No.1 T20 team and had hoped to book a dream final against Pakistan at Melbourne cricket ground. But the bad old ways cost team India to lose against England.

Indian players seemed to have played vintage style of cricket in which bowlers were not versatile enough and batters were not aggressive enough during the powerplay.

Talking about the dynamics of the T20 format, following metrics needs to be considered for evaluation purposes:

- Team selection
- Coach
- Performance by openers
- Kind of the pitch viz. Batting friendly pitch or favorable for bowlers.

Business Solution

The inconsistency of top order batsmen like KL Rahul and Rohit Sharma was clearly visible throughout the tournament. It would be the right time to give chances to Sanju Samson and Shubhman Gill in the upcoming tournaments.

Widespread criticism has been raised against the Team India selection committee and their selection criteria of players based on Indian Primer League performance, a tournament exclusively played in India soil. Selection committee needs to change their approach and consider statistics of players who perform well in international venues, when tournaments are held outside India.

Throughout the world cup Team India lacked pace spearhead Jasprit Bumrah, spin master and allrounder Ravindra Jadeja, hopefully they will return after injury in upcoming tournaments.

Datasource

- Kaggle dataset
- Batting_card.csv
- Bowling_card.csv
- Summary.csv
- <https://english.mathrubhumi.com/special-pages/t20-world-cup-2022/t20-wc-check-out-what-went-wrong-during-india-s-loss-to-england-in-semifinal-1.8037470>

BI Tool

To visualize the most crucial aspects of the game, Tableau desktop has been chosen a tool to deliver the valuable insights of both the teams.

To tell the story of a particular match, tableau's built-in ability to integrate data and a variety of trustworthy and appealing charts are used.

BI Product

Performance Dashboard

- Runs scored by Indian batsmen X Each match played in the world cup
- Strike rate of Team India X Each match played in the world cup
- Runs conceded by Indian bowlers X Each match played in the world cup
- Bowling Economy rate of Team India X Each match played in the world cup

Semifinal Analysis Dashboard

- Batting Measure (runs scored, balls faced, strike rate) X Indian & England Batsmen's
- Bowling Measures (overs, economy rate, wickets) X Indian & England Bowler's

Venue Analysis Dashboard

- Summation of toss won, 1st innings score, winner X All matches at Adelaide Oval in world cup 2022.

Validation Approach

Validations to the findings and can be achieved through expert analysis on the data and world class cricket players who ruled the game in the past.

Expert Analysis Overview

1. Lack of Utilization of powerplay

During the powerplay, a period during which batters try to make most of the fielding restrictions of only two players outside the 30-yard circle. While England hammered Indian bowlers from ball one to reach 63/0 at the end of powerplay in six overs, India could manage only 38/1 in their first six overs. The evident run a ball approach backfired for the Men in Blue.

2. Lack of early wickets

Skipper Rohit Sharma pointed out during the post-match presentation, “The way we started with ball was not ideal. We were little nervy If we keep tight and batsmen still score runs, we will take it. But we did not do that day.”

3. Lack of a strike bowler

In their group stage run, India used Bhuvneshwar Kumar and Arshdeep Singh and their ability to generate movement with the ball to get early wickets through powerplay. But both attacks failed to get wickets and looked toothless. India felt the absence of Jasprit Bumrah, their usual ace spearhead.