

# SPORTS BASICS



Designed and prepared by  
VINEETA KHATRI

# Presentation Overview

- 01** **Dataset Overview**
- 02** **Primary Insights** – Teams analysis, batters analysis, bowlers analysis
- 03** **Secondary Insights** – Predict 2024 winner & runner up
- 04** **Best 11**
- 05** **Top 3 All rounders**

# Dataset Overview

## Dimension tables

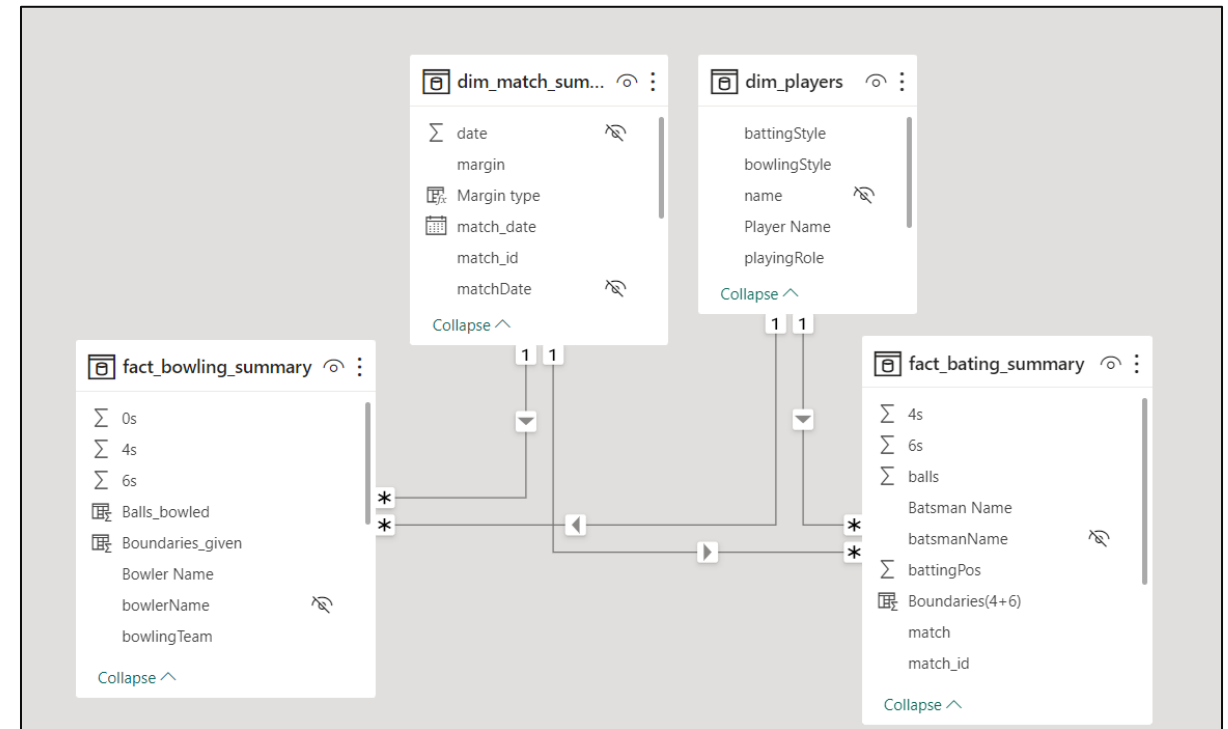
**01** Dim Match summary – teams, match date, winner, margin (runs/wickets winner won)

**02** Dim Players – name, playing role, batting/bowling style

## Fact tables

**01** Fact bating summary – batting position, out/not out, runs, balls, 4s/6s, SR

**02** Fact bowling summary - overs, runs/wickets, economy rate of bowler, wide, no balls, 0s/4s/6s, maiden



DATA MODEL

\*csv files

\*as mentioned, for calculations of BA, SR, Bowling Average and ER we are considering players who faced **minimum 60 balls** in each season

# Teams & Matches Analysis Dashboard



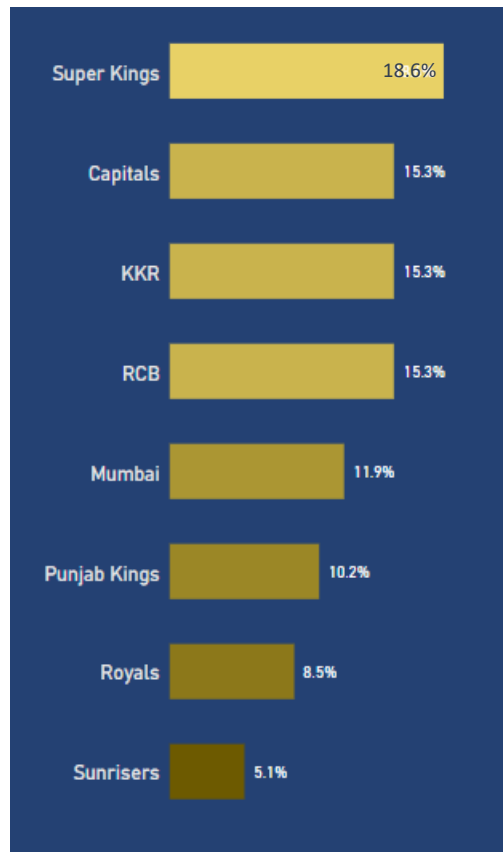
# Teams & Matches Analysis

## Teams History

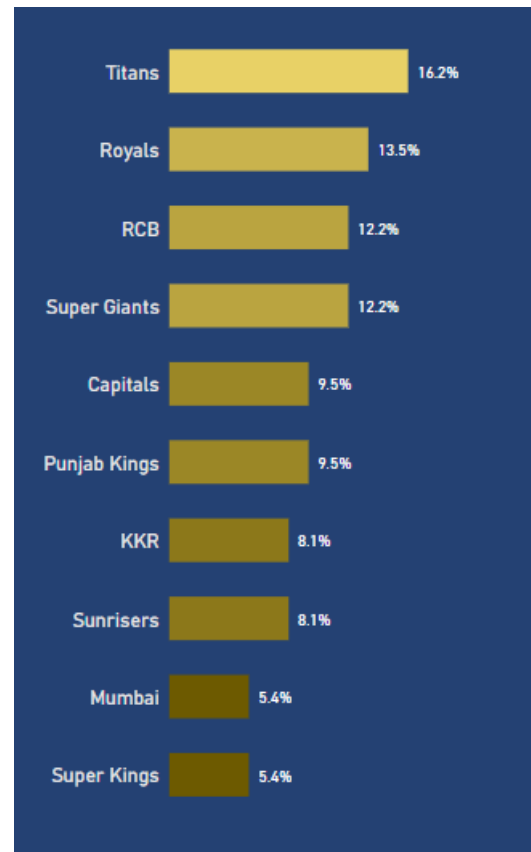
- In 2021, there were a total of 8 teams in the IPL:
  1. Chennai,
  2. Capitals,
  3. KKR,
  4. Mumbai,
  5. Punjab Kings,
  6. RCB,
  7. RR and
  8. Sunrisers
- However, in 2022, the league expanded with the addition of two new teams:
  9. Gujarat Titans and
  10. Super Giants.

# Teams & Matches Analysis by Winning %

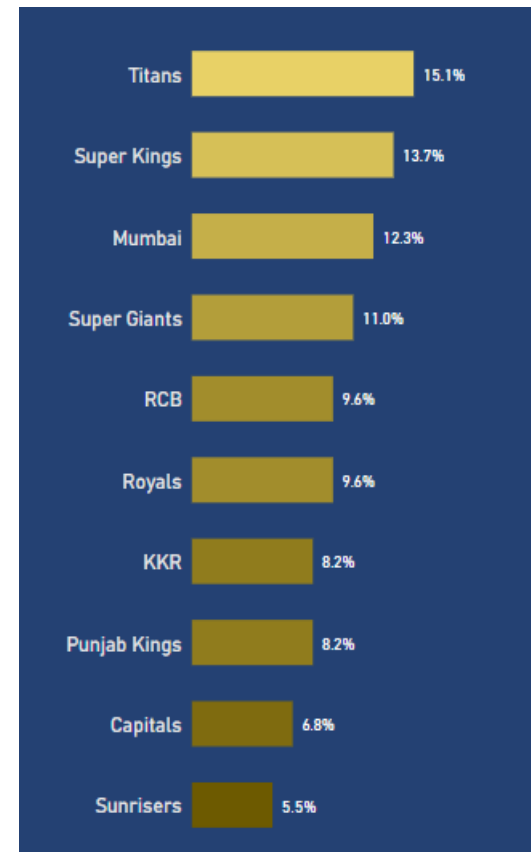
Y - 2021



Y - 2022



Y - 2023



In 2023 top 4 teams,

Titans is at top with 15% winning percentage

Super kings – 13.7%

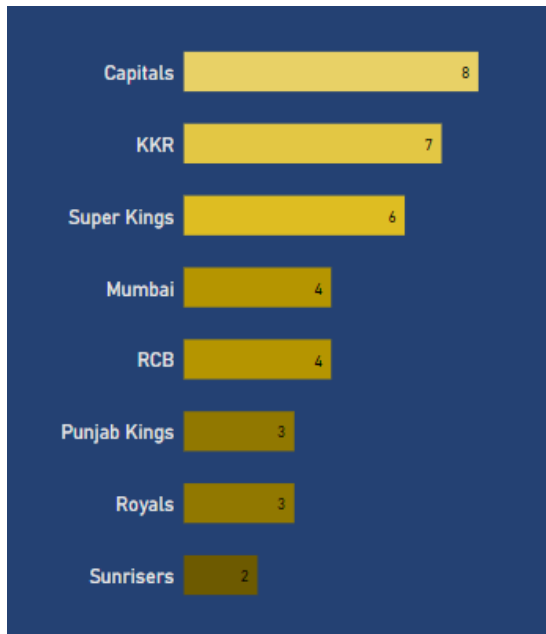
Mumbai – 12.3%

Super Giants – 11%

# Teams & Matches Analysis by – wins by chasing target

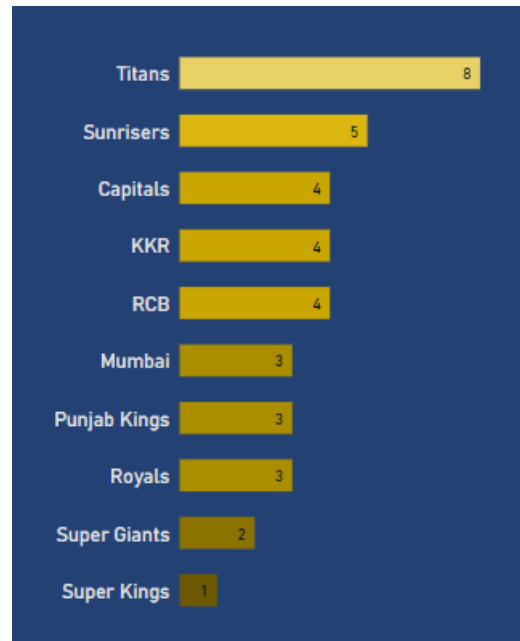
- Chasing teams have an advantage because it **allows to set targets for each phase** and **adjust their strategies** accordingly
- Chasing down targets successfully with overs to spare can **enhance a team's Net Run Rate (NRR)**. This could be vital **for qualification in tiebreaker scenarios**

Y - 2021



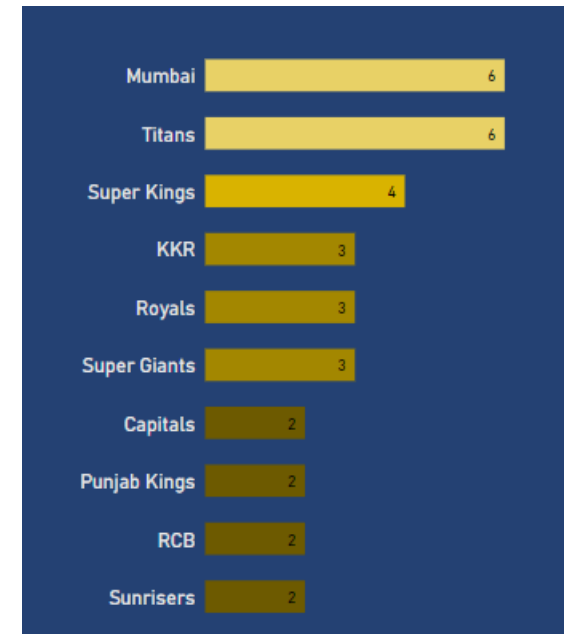
1. Capitals
2. KKR

Y - 2022



1. Titans
2. Sunrisers

Y - 2023



1. Mumbai
2. Titans

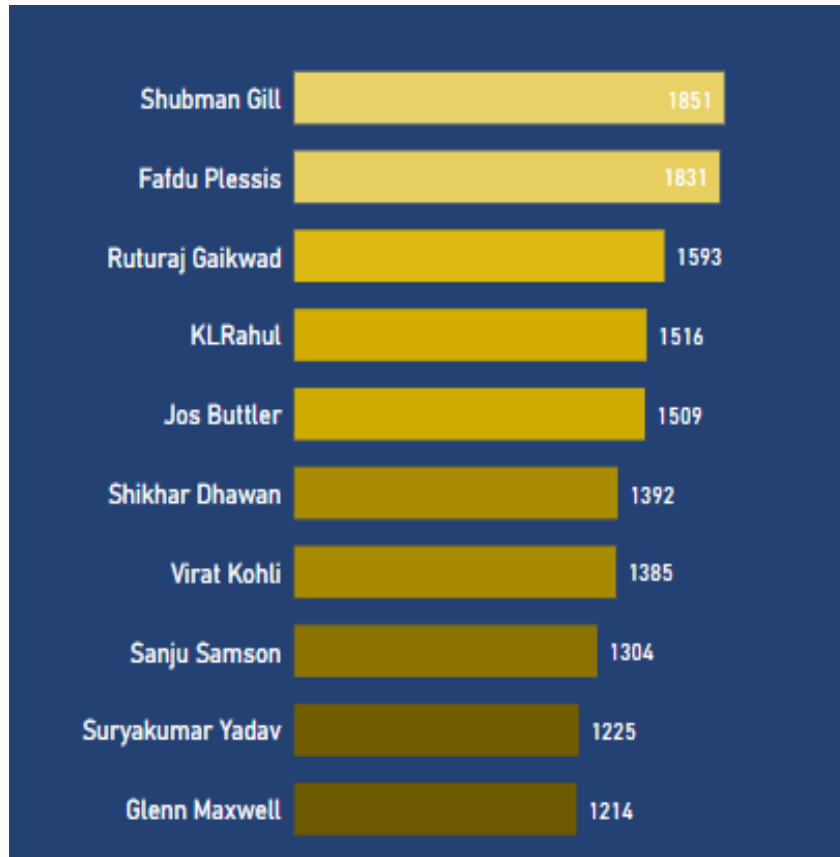
# Batters Analysis Dashboard





# Batters Analysis by Top Batters by Runs scored

*Top batters over three years by Runs*



## 1. Shubhman Gill

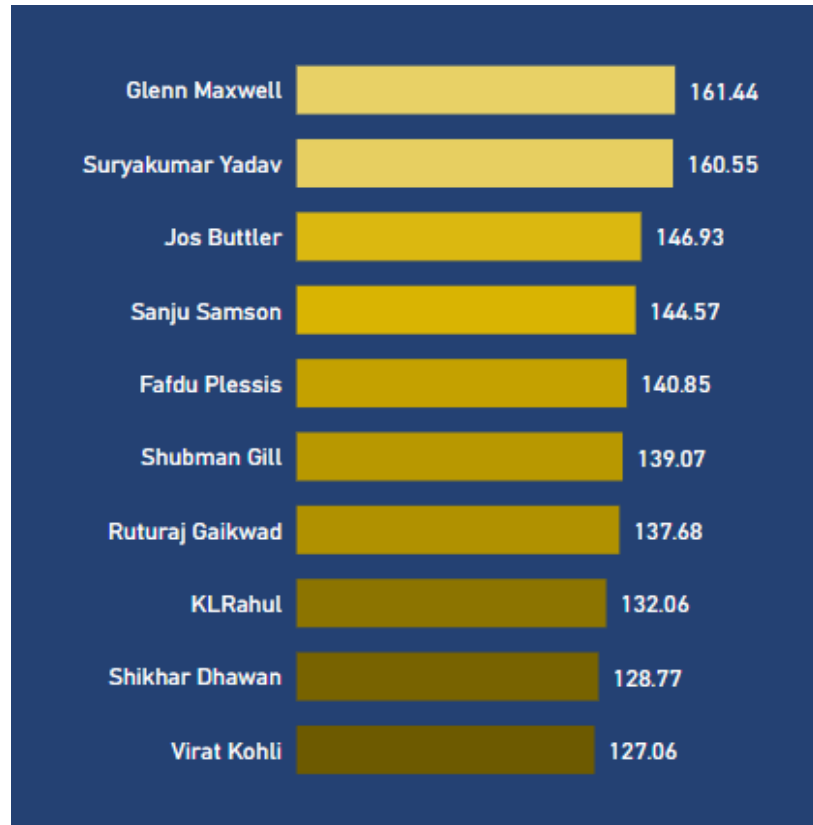
- Key Player in Gujarat Titans' title winning campaign in IPL2022
- Orange cap winner in 2023

## 2. Faf du Plessis

- In 2021 he struck 86 runs off just 59 balls and helped CSK with their 4<sup>th</sup> IPL trophy
- Took RCB into playoffs in 2022
- In 2023 massive 730 runs including eight 50+

# Batters Analysis by Strike Rate

*Strike Rate among top batters by run in last 3 seasons*



- Strike Rate is **runs scored per balls faced** (here we are considering minimum 60 balls in each season)
- Higher strike Rate is crucial in T20 matches where need to **score quickly in limited overs**. It puts pressure on opposing team and bowler.
- While **chasing a target high strike rate becomes crucial** ensuring successful chase down the target within allotted overs

## Glenn Maxwell

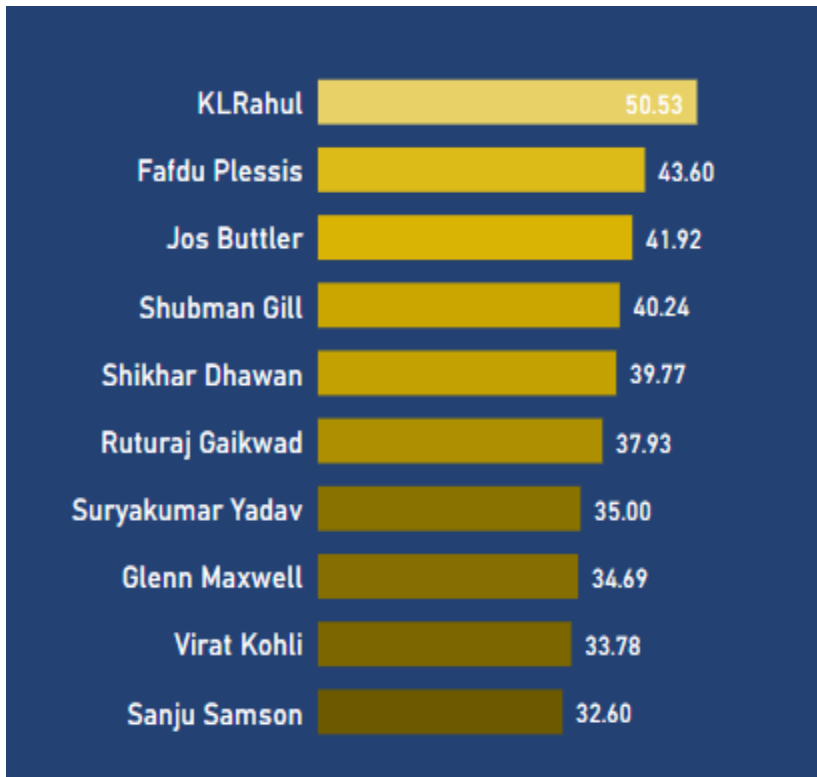
- In 2023 IPL, he scored 400 runs with a glorious **strike rate of 183.49** and five 50+

## Suryakumar Yadav

- In 2023, he scored 605 runs with **strike rate of 181.14**, five 50+ and one 100+

# Batters Analysis by Batting Average

*Batting Average among top batters by runs in last 3 seasons*



- Batting Average is **runs scored per Number of times outs** (here we are considering minimum 60 balls in each season)
- Higher Batting Average in IPL is crucial as it indicates a **batsman's consistency** in scoring runs, which **stabilizes the team's batting lineup** and reduces risk of collapses.
- This consistency contributes significantly to the **team's overall performance** by setting competitive targets, **building partnerships** and absorbing **pressure during crucial phases** of the game.

## K L Rahul

- In last 3 seasons of IPL, he **scored 1516 runs 7 not outs** and Twelve 50+ and Two 100+ with batting average of 50.53

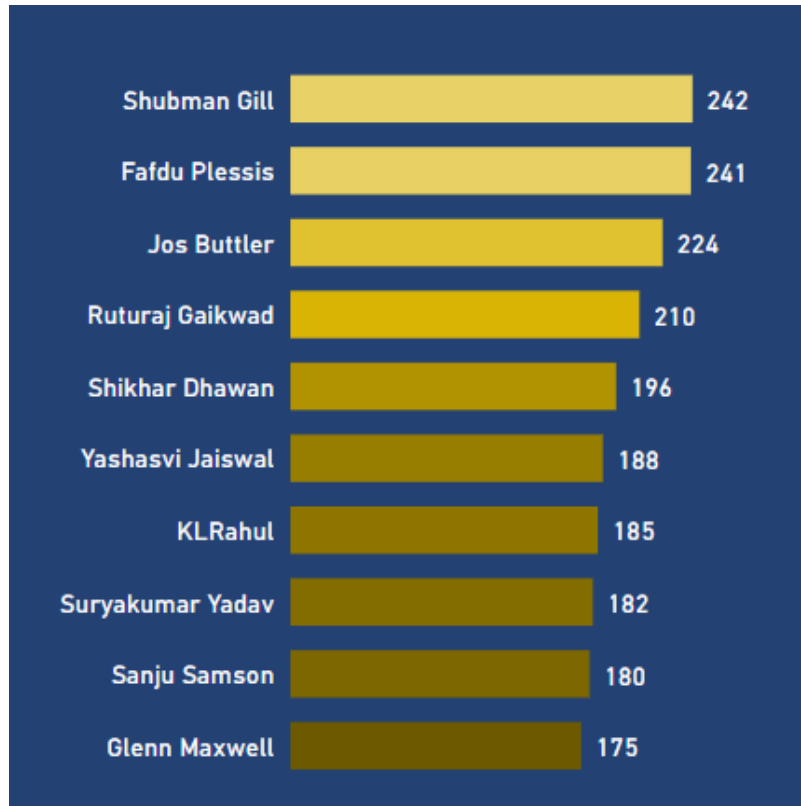
## Faf du Plessis

- In last 3 seasons he **scored 1831 runs 4 not outs** with batting average of 43.60 and seventeen 50+

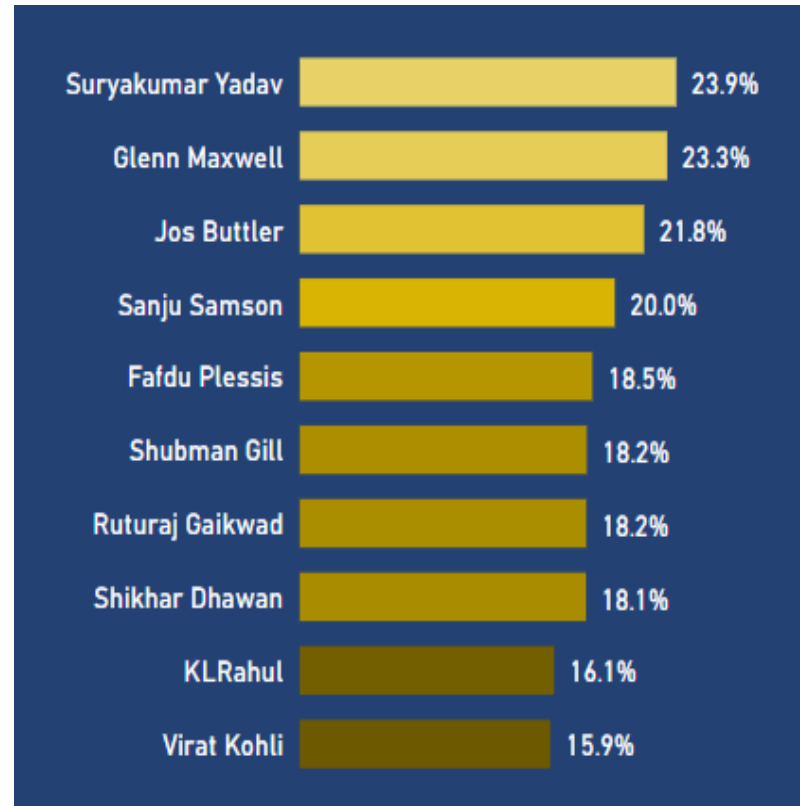
## Batters Analysis by Boundaries

- Boundaries are integral to IPL as they contribute to run scoring, momentum shifts and make matches more exciting for audience.
- Boundaries % also shows the effectiveness and it influences their overall performance.

Top 10 players by Boundaries



Boundaries % among top batters

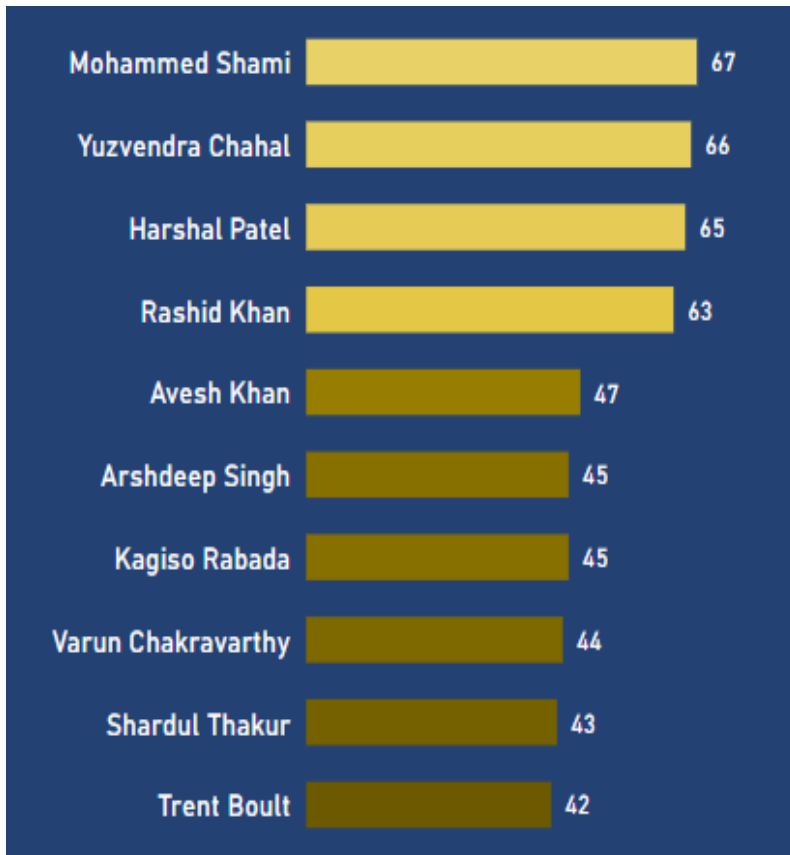


# Bowlers Analysis Dashboard



# Bowlers Analysis by Top Batters by Wickets

Top bowlers over three years by Wickets



## 1. Mohammed Shami

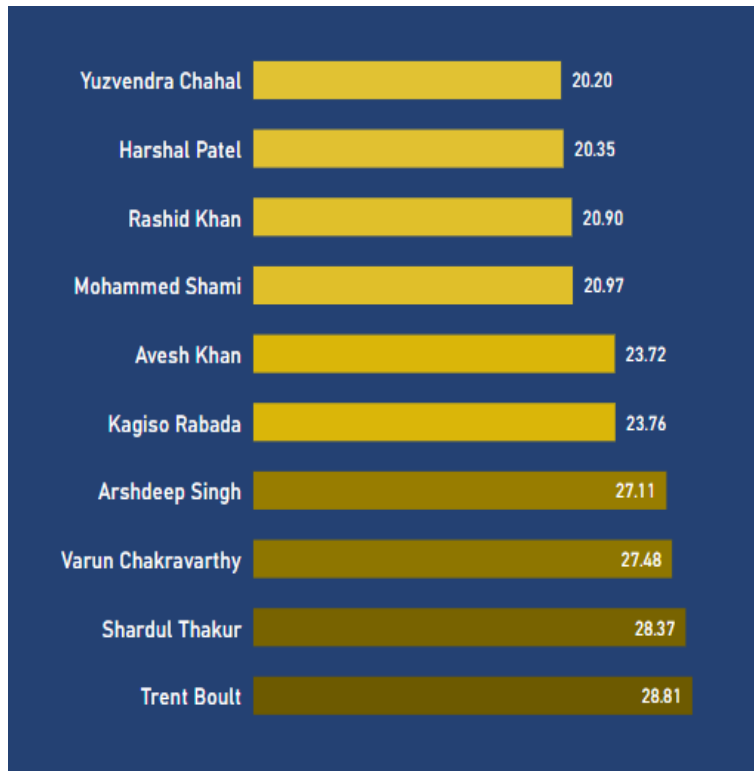
- Purple cap winner in 2023 with 28 wickets
- Shami took his first four wicket haul in the format against Delhi in 2023

## 2. Yuzvendra Chahal

- Purple cap winner in 2022 with 27 wickets for RR with a hat-trick and five-wicket haul
- He also broke Imran Tahir's record for the most wickets recorded by a spinner in a single season in 2022

# Bowlers Analysis by Bowling Average

*Bowling Average among top bowlers  
by wickets in last 3 seasons*



- Bowling average in the IPL represents **the number of runs a bowler concedes per wicket taken**.
- It helps assess a bowler's consistency and effectiveness in taking wickets while controlling runs.
- **A low bowling average is important** in the IPL as it indicates a bowler's ability to contribute significantly to their team's success by taking **wickets efficiently** and **restricting opposition batsmen**.

## 1. Yuzvendra Chahal

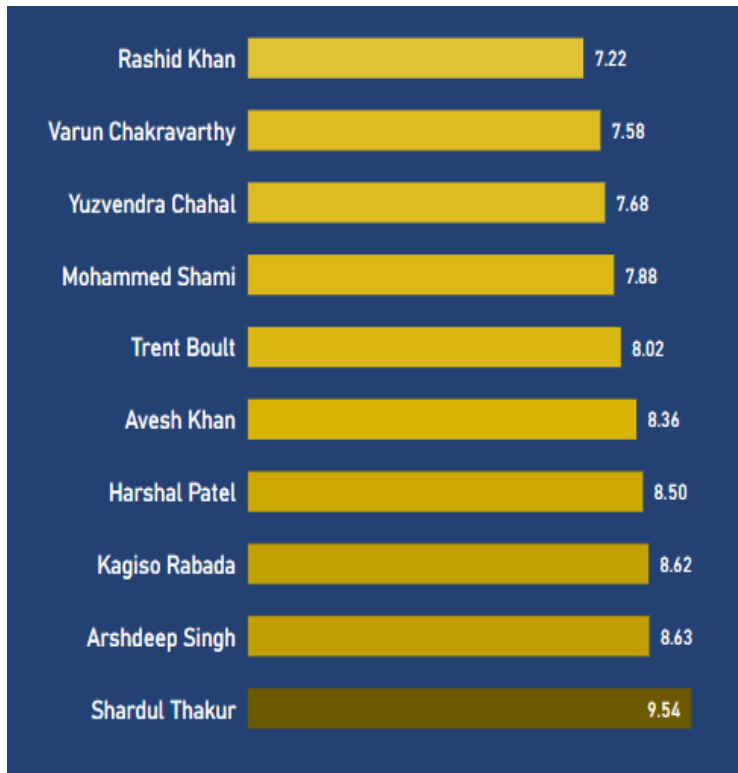
- In 2023, Chahal took 21 wickets in 14 matches with bowling average 20.54

## 2. Harshal Patel

- Purple cap winner in 2021 with 32 wickets in 15 matches with average of 14.34

# Bowlers Analysis by Economy Rate

*Economy Rate among top bowlers in last 3 seasons*



- Economy rate in the IPL refers to a bowler's efficiency in limiting **runs conceded per over**.
- It puts pressure on batsmen, **controls the flow of the game**, and supports overall team strategy.
- A **low economy rate** is crucial for bowlers as it signifies their effectiveness and contributes to team success in **restricting opposition scoring**.

## 1. Rashid Khan

- In 2023, Rashid took 27 wickets in 17 matches with bowling average 20.54 and economy rate of 8.24, in 2022 with 6.6 and 2021 with 6.69

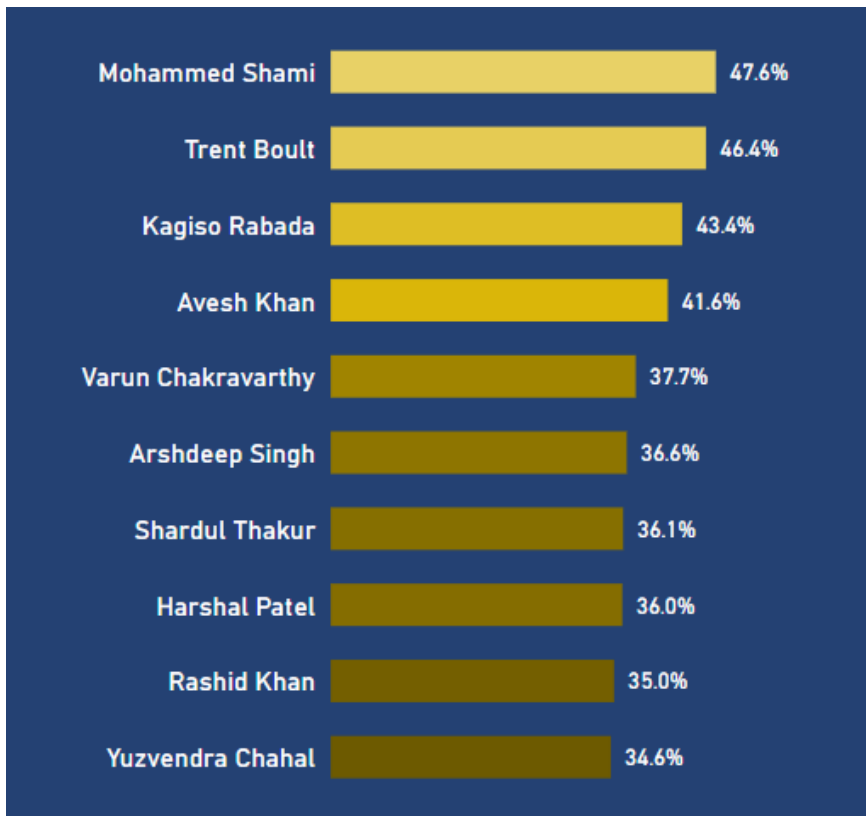
## 2. Varun Chakravarthy

- economy rate of Varun in Y21, 22 and 23 was 6.59, 8.51 and 8.19 respectively



# Bowlers Analysis by dot ball %

*Dot ball % among top bowlers in last 3 seasons*



- Dot ball percentage in the IPL refers to the proportion of deliveries bowled by a bowler that result in **no runs scored by the batsman**.
- It showcases a bowler's ability to build pressure, force batsmen into defensive strokes, and **create scoring opportunities for the bowling team**.
- A **high dot ball percentage is crucial** in the IPL as it contributes to controlling the run rate, **creating wicket-taking opportunities**, and impacting the overall flow of the game in favor of the bowling team.

## 1. Mohammed Shami

- In 2023, Mohammad Shami played 193 dot balls in 65 overs

## 2. Trent Boult

- In 2023, Trent Boult played 107 dot balls in just 38 overs

## Qualifier Prediction |

## Winner & Runner Up Prediction |

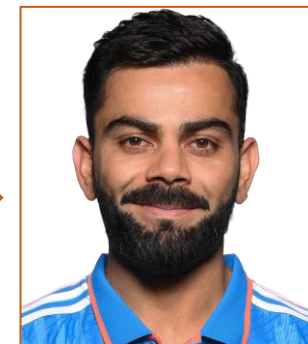
## Orange Purple cap Prediction



**WINNER - CSK**



**RUNNER UP - RCB**



**VIRAT KOHLI**



**MUSTAFIZUR REHMAN**

# Best 11



**VIRAT KOHLI**  
OPENER



**SHUBHMAN GILL**  
OPENER



**SURYA KUMAR YADAV**  
BATTER



**K L RAHUL**  
BATTER



**DAVID MILLER**  
BATTER



**ANDRE RUSSEL**  
ALL ROUNDER



**MS DHONI (C)**  
WC - BATTER



**RAVINDRA JADEJA**  
ALL ROUNDER



**MOHAMMAD SHAMI**  
BOWLER



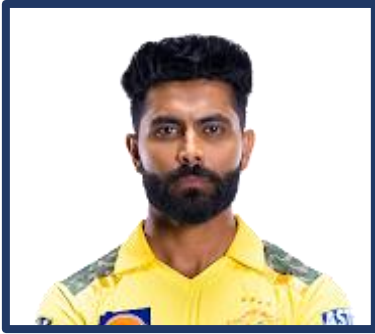
**JASPRIT BUMRAH**  
BOWLER



**YUZVENDRA CHahal**  
BOWLER

# TOP 3 All Rounders

*\* Past three years- 2021, 2022, 2023 IPL seasons are considered for analysis*



RAVINDRA JADEJA

Batting Average - 31.35  
Bowling Average - 27.41  
Strike Rate - 137.73  
Wickets - 37

- Ravindra Jadeja has a knack for delivering under pressure
- Quick runs
- Crucial wickets history



ANDRE RUSSEL

Batting Average - 27.59  
Bowling Average - 18.23  
Strike Rate - 159.19  
Wickets - 35

- Explosive Batting style. Can change momentum of game within a few overs
- Crucial wickets in the death overs



RASHID KHAN

Batting Average - 20.27  
Bowling Average - 20.90  
Strike Rate - 176.74  
Wickets - 63

- Accurate bowling skill
- Decent batting technique for quick runs
- High strike rate average in last three seasons



# Thank You!

Mr. Dhaval Patel & Mr. Hemanand Vadivel

Founder and Co-founder of

