**IPL 2021–2023 Data Analysis Report**

**1. Introduction**

The Indian Premier League (IPL) has emerged as one of the most competitive T20 leagues in cricket history. This report analyzes data from the IPL seasons 2021 to 2023 to uncover key player performances, team statistics, and other critical insights. By leveraging Power BI, the analysis focuses on identifying top batsmen, bowlers, strike rates, and win percentages over these three seasons.

The key objectives of this analysis are:

* To identify the most consistent batsmen and bowlers across seasons.
* To analyze strike rates, boundary percentages, economy rates, and dot ball contributions.
* To explore team performances, win percentages, and strategies like chasing success rates.
* To make data-driven predictions for the IPL 2024 season.

**2. Batsman Performance Analysis**

**Top Batsmen by Total Runs**

The following batsmen scored the highest cumulative runs across 2021–2023:

1. **Shubman Gill** – 1851 runs
2. **Faf du Plessis** – 1831 runs
3. **Ruturaj Gaikwad** – 1593 runs
4. **KL Rahul** – 1516 runs
5. **Jos Buttler** – 1509 runs

*Insight*: Shubman Gill and Faf du Plessis showcased exceptional consistency, leading the charts over three seasons.

**Top Batting Averages**

Among batsmen who played a minimum of 60 balls each season:

* **KL Rahul**: Batting average of 50.53 (1,148 balls played)
* **Faf du Plessis**: 43.60 average
* **Jos Buttler**: 41.92 average

*Insight*: KL Rahul’s high batting average underscores his ability to score consistently and stay at the crease.

**Top Strike Rates**

The most aggressive batsmen with the highest strike rates include:

1. **Glenn Maxwell** – 161.44 (752 balls)
2. **Suryakumar Yadav** – 160.55
3. **Andre Russell** – 159.19

*Insight*: These players demonstrated explosive performances, delivering maximum impact with fewer balls.

**Boundary Percentage Leaders**

Batsmen with the highest proportion of runs from boundaries:

* **Andre Russell**: 75.7% of his runs from fours and sixes
* **Yashasvi Jaiswal**: 74.56%
* **Prithvi Shaw**: 70.67%

*Insight*: Andre Russell’s ability to clear boundaries made him a game-changer for his team.

**3. Bowler Performance Analysis**

**Top Bowlers by Wickets Taken**

The leading wicket-takers over three years were:

1. **Mohammed Shami** – 67 wickets
2. **Yuzvendra Chahal** – 66 wickets
3. **Harshal Patel** – 65 wickets

*Insight*: Mohammed Shami and Chahal dominated the bowling charts with their consistent breakthroughs.

**Best Bowling Averages**

Among bowlers who bowled at least 60 balls per season:

* **Andre Russell**: Bowling average of 18.23
* **Yuzvendra Chahal**: 20.20
* **Harshal Patel**: 20.35

*Insight*: Andre Russell, a key all-rounder, delivered an impressive bowling average along with his batting prowess.

**Top Economy Rates**

The bowlers with the most economical performances were:

* **Sunil Narine**: Economy rate of 6.60 (960 balls bowled)
* **Moeen Ali**: 7.04
* **Axar Patel**: 7.11

*Insight*: These bowlers effectively restricted runs, maintaining pressure on opposition teams.

**Dot Ball Contribution**

Bowlers with the highest dot ball percentages include:

* **Mohammed Siraj**: 47.71% (438 dot balls)
* **Mohammed Shami**: 47.57%

*Insight*: High dot ball percentages highlight their ability to build pressure and force mistakes from batsmen.

**4. Team Performance Insights**

**Top Teams by Win Percentage**

The most successful teams based on win rates were:

1. **Gujarat Titans**: 69.7% win rate (23 wins in 33 matches)
2. **Lucknow Super Giants**: 58.62% win rate
3. **Chennai Super Kings (CSK) and Royal Challengers Bangalore (RCB)**: 55.56%

*Insight*: Gujarat Titans emerged as a dominant team in their debut seasons, maintaining a stellar win rate.

**Chasing Success**

Teams with the highest success in chasing totals:

* **Delhi Capitals**
* **Kolkata Knight Riders (KKR)**
* **Gujarat Titans**

*Insight*: These teams excelled under pressure, successfully chasing down targets with consistency.

**5. Predictions for IPL 2024**

**Orange Cap Predictions (Top Run Scorers)**

Based on past performances and trends:

* **Shubman Gill**: 1851 runs, strike rate 139.07
* **Faf du Plessis**: 1831 runs, strike rate 140.85
* **Jos Buttler**: 1509 runs, boundary percentage 68.92%

*Insight*: These batsmen are expected to continue their dominance in the upcoming season.

**Purple Cap Predictions (Top Wicket-Takers)**

Leading contenders include:

* **Yuzvendra Chahal** – 66 wickets
* **Mohammed Shami** – 67 wickets
* **Rashid Khan** – Exceptional economy and wicket-taking ability

**Top 4 Teams to Qualify**

Based on win rates and performances, the predicted qualifiers are:

1. **Gujarat Titans**
2. **Chennai Super Kings**
3. **Lucknow Super Giants**
4. **Royal Challengers Bangalore**

**6. Conclusion**

The IPL 2021–2023 analysis showcases the standout performances of players and teams over three seasons. Consistent performers like Shubman Gill, Faf du Plessis, Mohammed Shami, and Yuzvendra Chahal emerged as game-changers. Teams such as Gujarat Titans and Chennai Super Kings demonstrated dominance with their strategies and execution.

This analysis highlights key trends, enabling teams to identify strengths and areas of improvement for future seasons. With these insights, predictions for IPL 2024 suggest another thrilling season of competitive cricket.