


Resume Project Challenge # 10  
Analyzing historical IPL Data & providing insights on IPL 2024 for a Sports Magazine

## About The Study



“Sports Basics” is a sports blog company that entered the space recently. They wanted to get more traffic to their website by releasing a special edition magazine on Ipl 2024. This magazine aims to provide interesting insights and facts for fans, analysts and teams based on their last 3 year’s data.



# Objective of the study



## Primary Insights

1. Top 10 batsmen based on past 3 years total runs scored.
2. Top 10 batsmen based on past 3 years batting average. (min 60 balls faced in each season)
3. Top 10 batsmen based on past 3 years strike rate (min 60 balls faced in each season)
4. Top 10 bowlers based on past 3 years total wickets taken.
5. Top 10 bowlers based on past 3 years bowling average. (min 60 balls bowled in each season)
6. Top 10 bowlers based on past 3 years economy rate. (min 60 balls bowled in each season)
7. Top 5 batsmen based on past 3 years boundary % (fours and sixes).
8. Top 5 bowlers based on past 3 years dot ball %.
9. Top 4 teams based on past 3 years winning %.
10. Top 2 teams with the highest number of wins achieved by chasing targets over the past 3 years.

## Secondary Insights (This will require additional research)

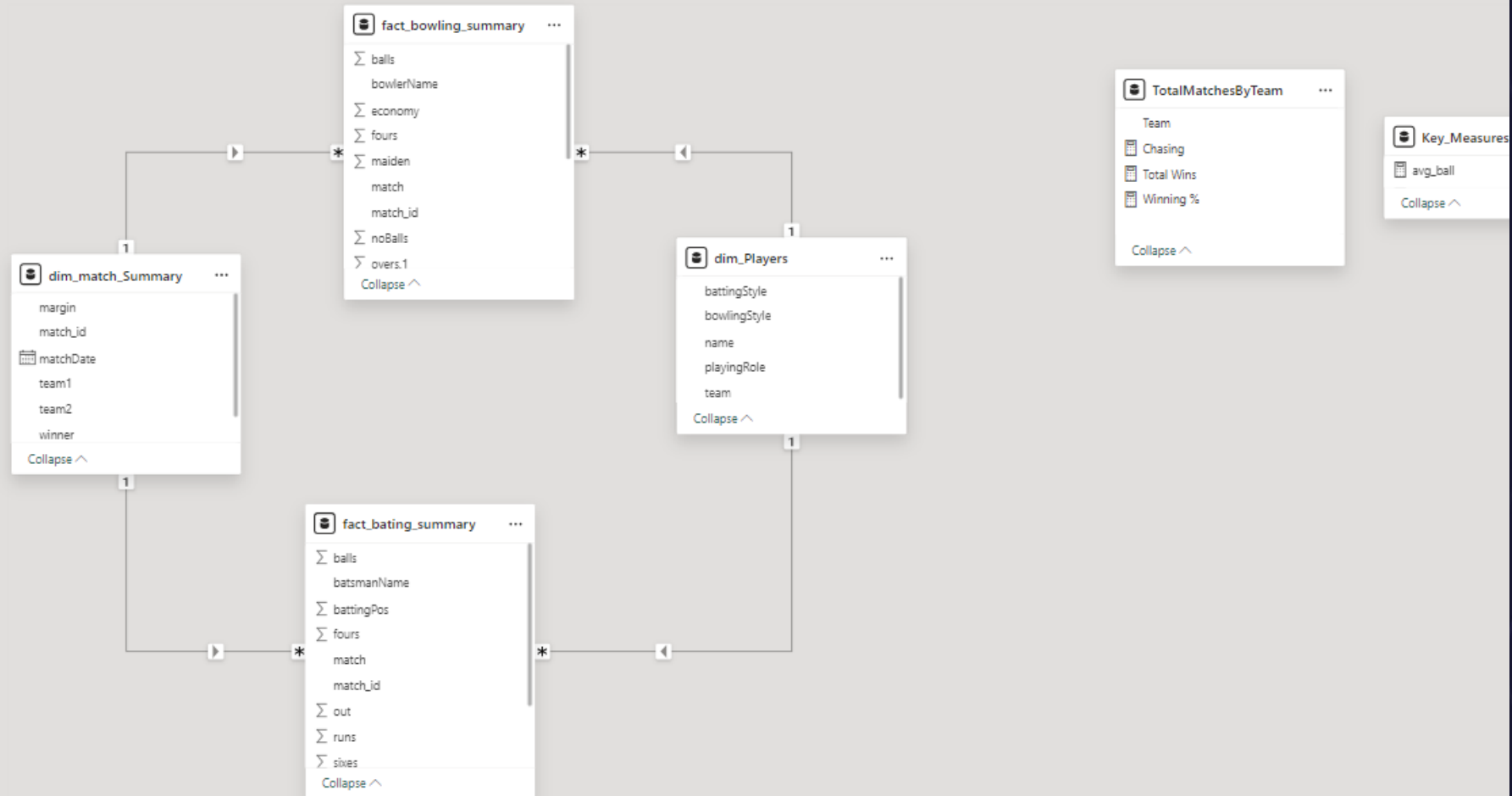
**Predict** the following for the season 2024 using available data and by doing additional research

1. Orange and purple cap player
2. Top 4 qualifying teams
3. Winner and runner-up

## Your Picks

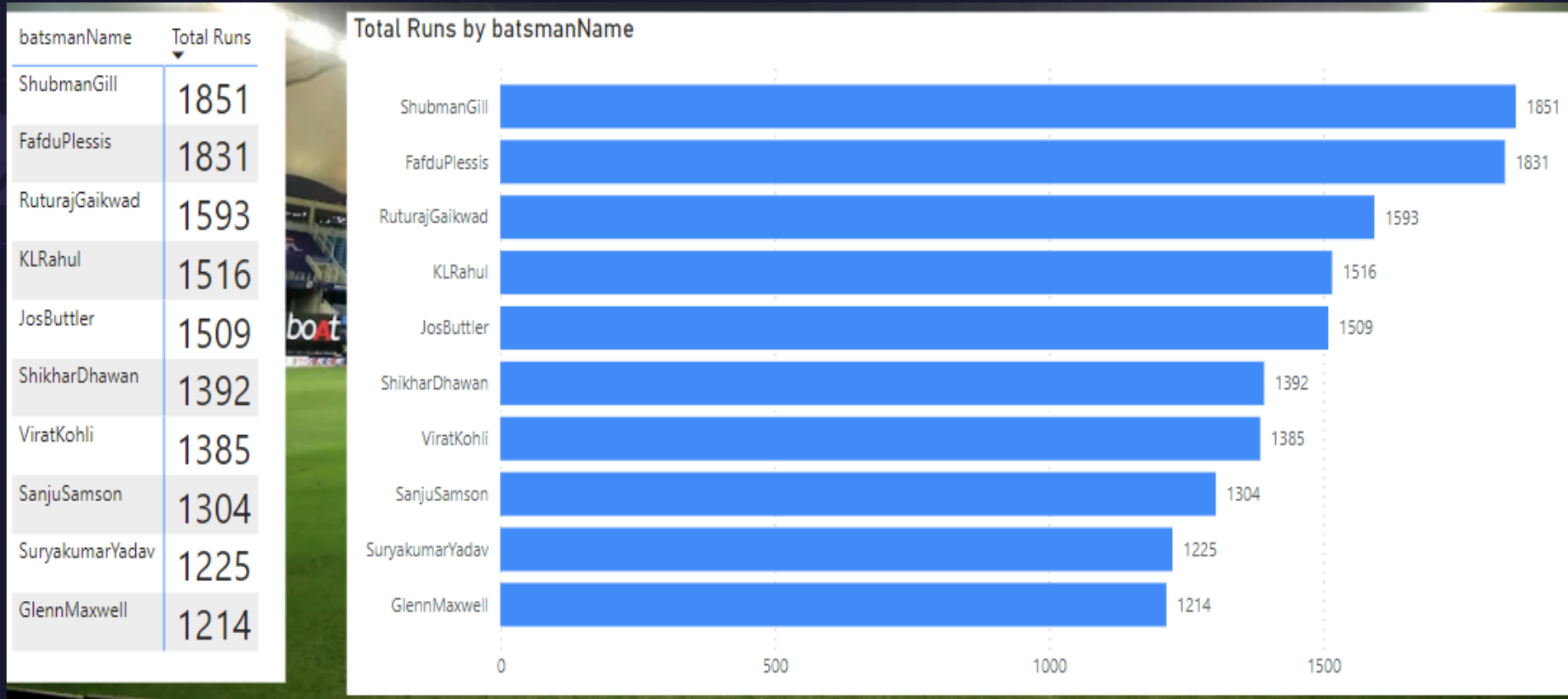
4. Pick your team selecting the **Best 11** players based on their positions, 3 years performance data and additional research
5. Pick your top 3 all-rounders

# Data Modelling



## Primary Insights

Top 10 batsmen based on past 3 years total runs scored.



## Primary Insights

Top 10 batsmen based on past 3 years batting average. (min 60 balls faced in each season)





## Primary Insights

Top 10 batsmen based on past 3 years strike rate (min 60 balls faced in each season)





## Primary Insights

Top 10 bowlers based on past 3 years total wickets taken



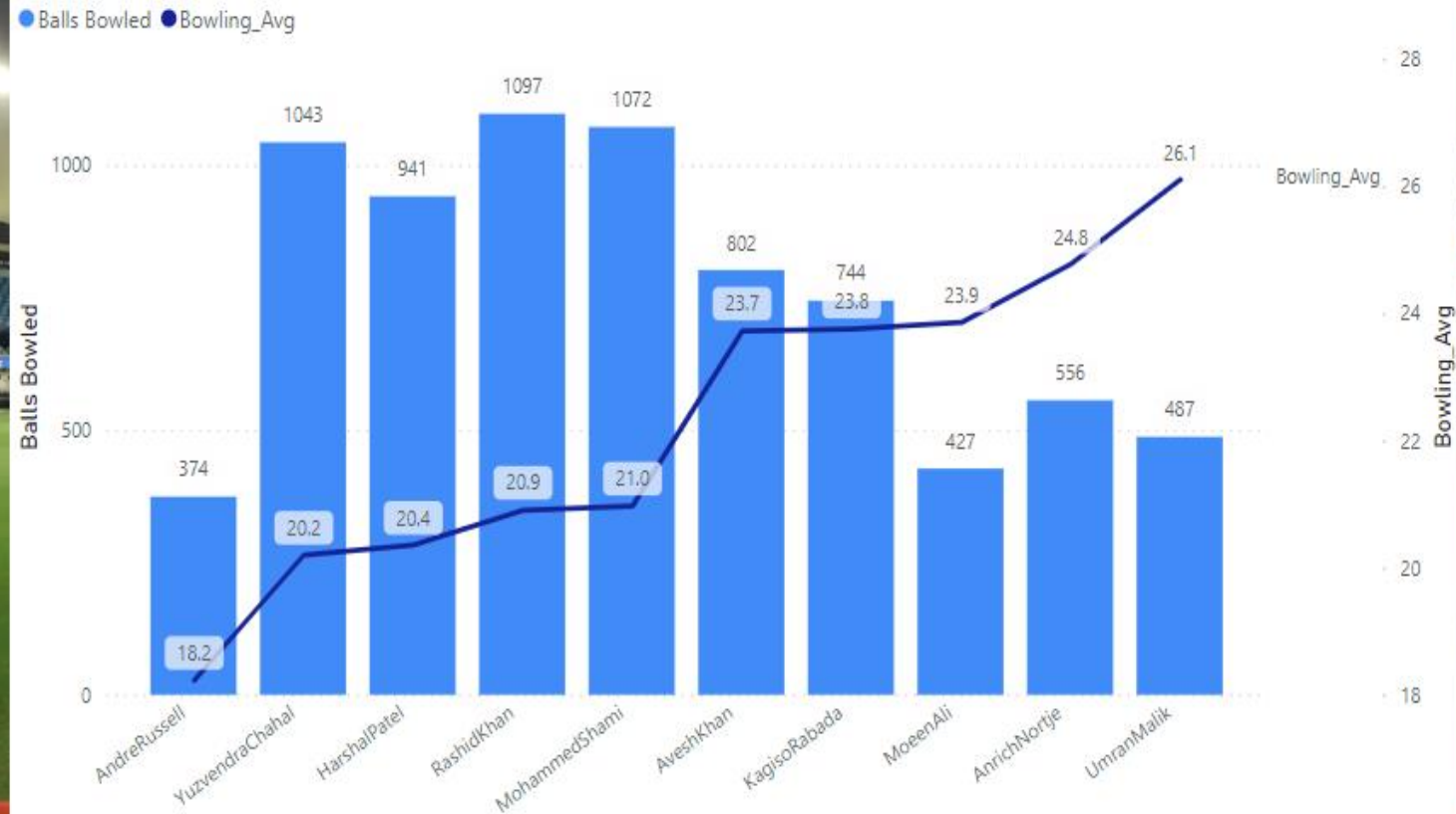


## Primary Insights

Top 10 bowlers based on past 3 years bowling average. (min 60 balls bowled in each season)



Bowler Name	Bowling_Avg	Balls Bowled
AndreRussell	18.23	374
YuzvendraChahal	20.20	1043
HarshalPatel	20.35	941
RashidKhan	20.90	1097
MohammedShami	20.97	1072
AveshKhan	23.72	802
KagisoRabada	23.76	744
MoeenAli	23.86	427
AnrichNortje	24.77	556
UmrnMalik	26.10	487



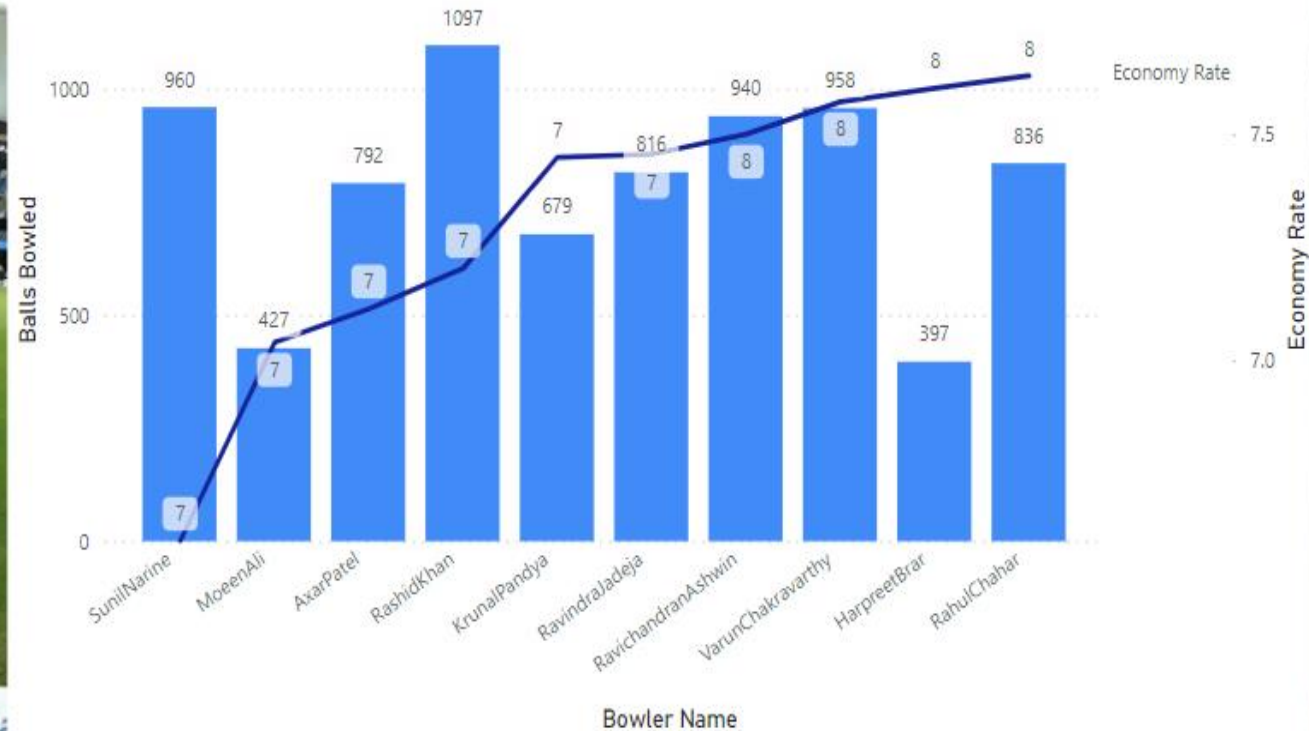
## Primary Insights

Top 10 bowlers based on past 3 years economy rate. (min 60 balls bowled in each season)

Bowler Name	Economy Rate	Balls Bowled
SunilNarine	7	960
MoeenAli	7	427
AxarPatel	7	792
RashidKhan	7	1097
KrunalPandya	7	679
RavindraJadeja	7	816
RavichandranAshwin	8	940
VarunChakravarthy	8	958
HarpreetBrar	8	397
RahulChahar	8	836

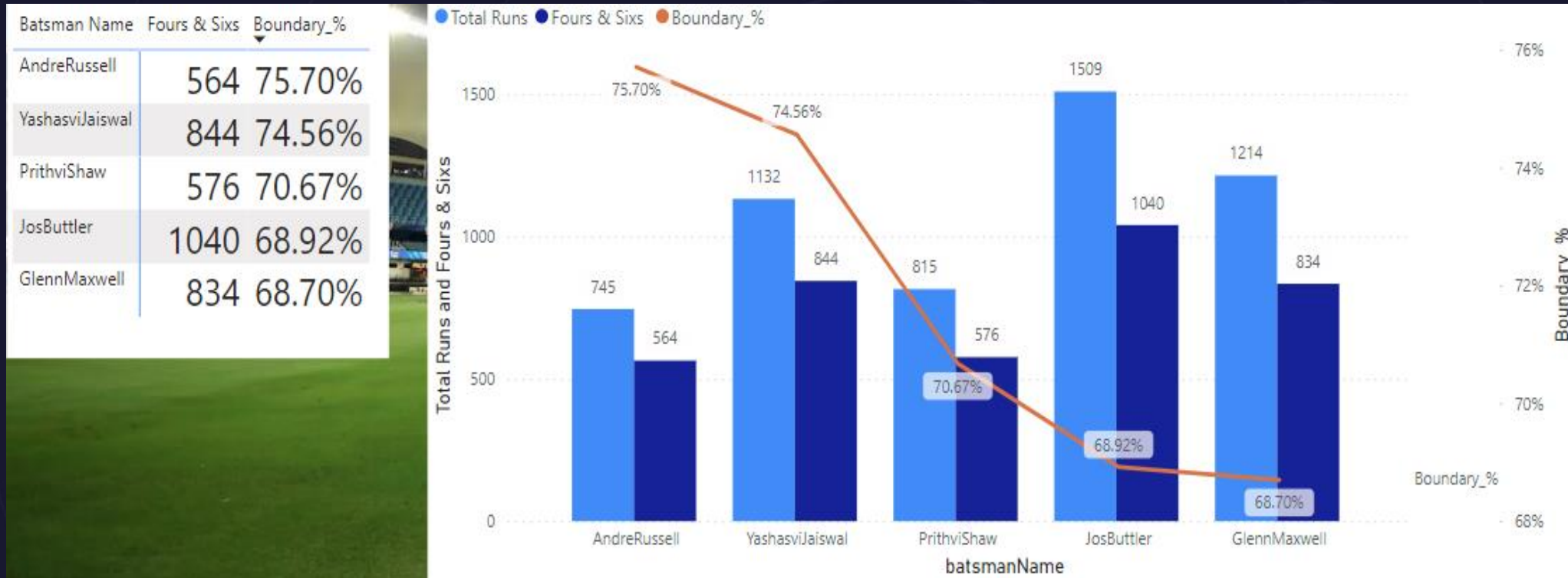
Balls Bowled and Economy Rate by Bowler Name

● Balls Bowled ● Economy Rate



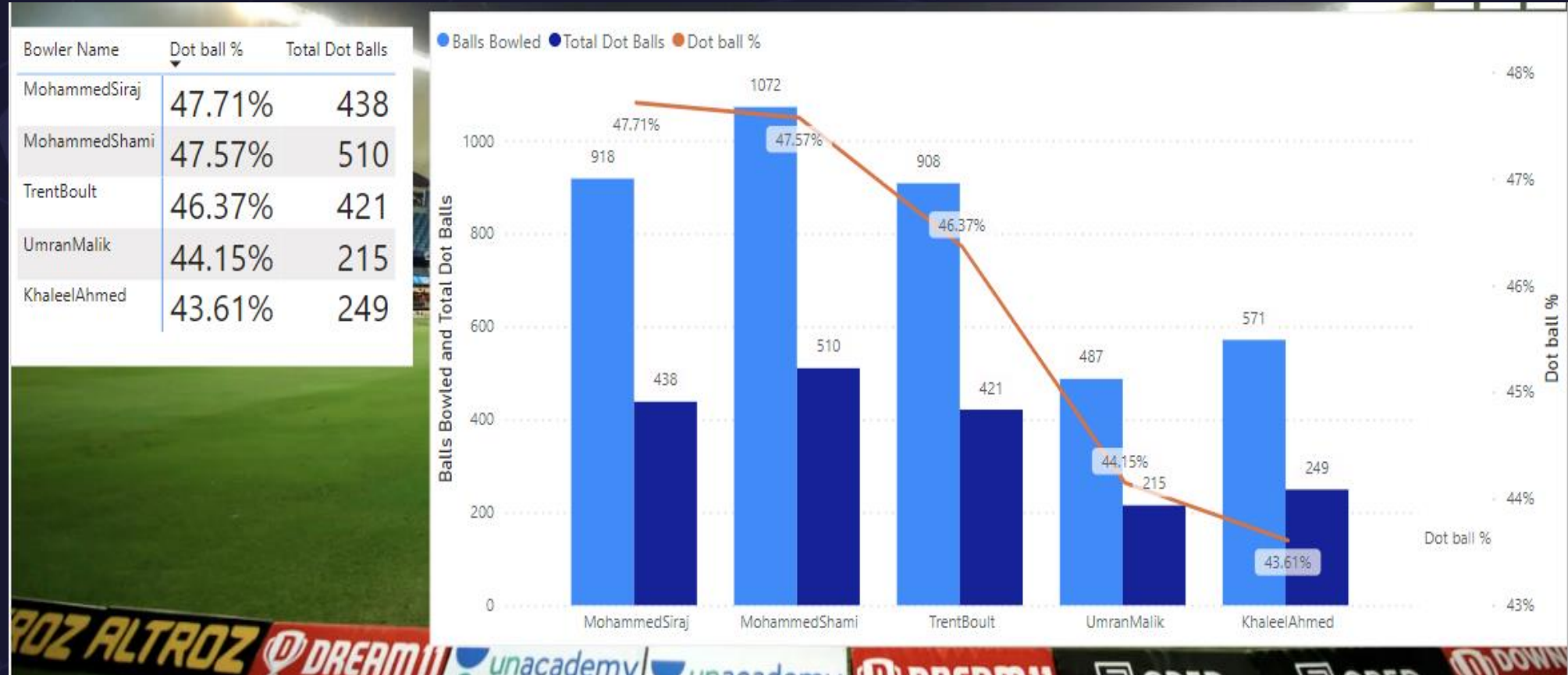
## Primary Insights

Top 5 batsmen based on past 3 years boundary % (fours and sixes).



## Primary Insights

Top 5 bowlers based on past 3 years dot ball %.



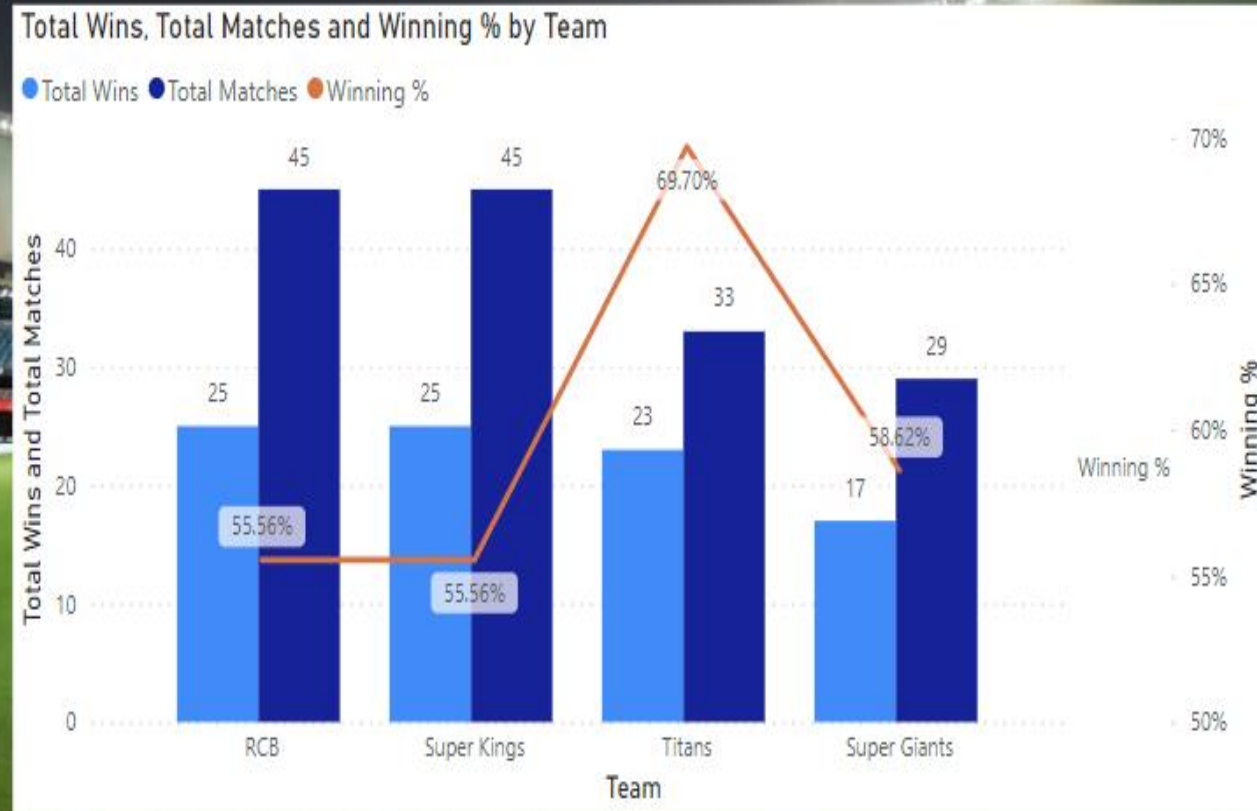


## Primary Insights

Top 4 teams based on past 3 years' winning %.



Team	Total Wins	Winning %	Total Matches
RCB	25	55.56%	45
Super Kings	25	55.56%	45
Titans	23	69.70%	33
Super Giants	17	58.62%	29

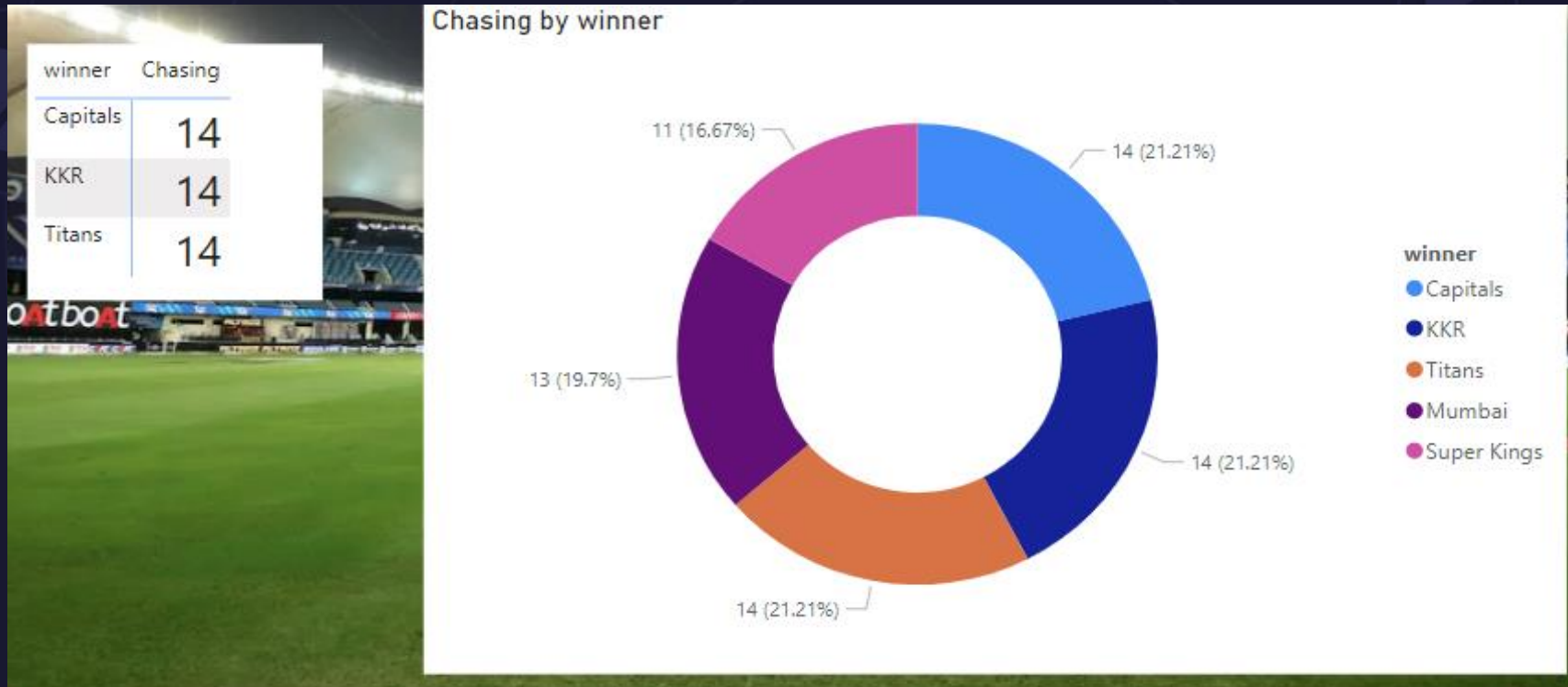






## Primary Insights






Top 2 teams with the highest number of wins achieved by chasing targets over the past 3 years



## Secondary Insights

Orange cap contenders predicted for IPL 2024







				
<b>Virat Kohli</b>	<b>Ruturaj Gaikwad</b>	<b>Shubman Gill</b>	<b>KL Rahul</b>	<b>Faf du Plessis</b>
<b>Total Runs</b> 1385	<b>Total Runs</b> 1593	<b>Total Runs</b> 1851	<b>Total Runs</b> 1516	<b>Total Run</b> 1831
<b>Batting Average</b> 33.78	<b>Batting Average</b> 37.93	<b>Batting Average</b> 40.24	<b>Batting Average</b> 50.23	<b>Batting Average</b> 43.60
<b>Strike Rate</b> 127.06	<b>Strike Rate</b> 137.68	<b>Strike Rate</b> 139.07	<b>Strike Rate</b> 132.06	<b>Strike Rate</b> 140.85
<b>Boundary %</b> 54.73%	<b>Boundary%</b> 61.14%	<b>Boundary%</b> 58.35%	<b>Boundary %</b> 57.26%	<b>Boundary%</b> 60.51%



## Secondary Insights

Purple cap contenders predicted for IPL 2024

				
Mohammad Shami	Yuzi Chahal	Rashid Khan	Varun Chakraborty	Trent Boult
Total Wickets 67	Total Wickets 66	Total Wickets 63	Total Wickets 44	Total Wickets 42
Balling Average 20.97	Balling Average 20.20	Balling Average 20.90	Balling Average 27.48	Balling Average 28.81
Economy Rate 8	Economy Rate 8	Economy Rate 7	Economy Rate 8	Economy Rate 8

## Secondary Insights

Top 4 qualifying teams predicted for IPL 2024







## Secondary Insights

Winners & Runners prediction for IPL 2024
















## Secondary Insights

Best 11 for IPL 2024



Batsman			
			
Shubman Gill	Rituraj Gaikwad	Virat Kohli	Faf du Plessis
All Rounder			
			
Rinku Singh	Andre Russell	Ravindra Jadeja	
Bowler			
			
Rashid Khan	Trent Boult	Mohammed Shami	Mohammed Shiraz



## Secondary Insights

### Top 3 all-rounders



