

# IPL 2024 Analysis



## Problem Statement

**"Sports Basics"** is a sports blog company that entered 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 the last 3 years' data.

The chief editor Tony Sharma oversees this publication, and he believes in data analytics. He reached out to Peter Pandey, a journalist in his team who is a data savvy cricket enthusiast.

### Task:

Imagine yourself as Peter Pandey and perform the following task.

- Begin your analysis by referring to the 'Primary And Secondary Analysis'. You can use any tool of your choice (Python, SQL, Power BI, Tableau, Excel, PowerPoint) to analyse and answer these questions.

# IPL 2024 Analysis



## Primary Analysis

1. Top 10 batsmen based on past 3 years total runs scored. (min 60 balls faced in each season)
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 5 batsmen based on past 3 years boundary % (fours and sixes).
5. Top 10 bowlers based on past 3 years total wickets taken.
6. Top 10 bowlers based on past 3 years bowling average. (min 60 balls bowled in each season)
7. Top 10 bowlers based on past 3 years economy rate. (min 60 balls bowled in each season)
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 Analysis

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

# IPL 2024 Analysis



## Primary Analysis

1. Top 10 batsmen based on past 3 years total runs scored. (min 60 balls faced in each season)

### Top 10 Batsmen (minimum 60 balls faced in each season)

batsmanName	Batting Style	Playing Role	Team	Balls Faced	Total Runs	Batting Average	Strike Rate	Boundary %
ShubmanGill	Right hand Bat	Opening Batter	KKR	564	890	59.33	157.80	60.45%
JosButtler	Right hand Bat	Wicketkeeper Batter	Rajasthan Royals	579	863	57.53	149.05	69.76%
FafduPlessis	Right hand Bat	Middle order Batter	Chennai Super Kings	475	730	56.15	153.68	62.47%
DevonConway	Left hand Bat	Wicketkeeper Batter	Chennai Super Kings	481	672	51.69	139.71	61.90%
ViratKohli	Right hand Bat	Top order Batter	RCB	457	639	53.25	139.82	55.71%
RuturajGaikwad	Right hand Bat	Batter	Chennai Super Kings	466	635	45.36	136.27	62.05%
FafduPlessis	Right hand Bat	Middle order Batter	Chennai Super Kings	458	633	45.21	138.21	59.72%
KLRahul	Right hand Bat	Wicketkeeper Batter	Punjab Kings	451	626	62.60	138.80	59.42%
YashasviJaiswal	Left hand Bat	Opening Batter	Rajasthan Royals	382	625	48.08	163.61	77.44%
KLRahul	Right hand Bat	Wicketkeeper Batter	Punjab Kings	455	616	51.33	135.38	58.44%

# IPL 2024 Analysis



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

## Top 10 Batsmen (minimum 60 balls faced in each season)

batsmanName	Batting Style	Playing Role	Team	Balls Faced	Total Runs	Batting Average	Strike Rate	Boundary %
RavindraJadeja	Left hand Bat	Allrounder	Chennai Super Kings	156	227	75.67	145.51	57.27%
DavidMiller	Left hand Bat	Middle order Batter	Rajasthan Royals	337	481	68.71	142.73	55.30%
KLRahul	Right hand Bat	Wicketkeeper Batter	Punjab Kings	451	626	62.60	138.80	59.42%
ShubmanGill	Right hand Bat	Opening Batter	KKR	564	890	59.33	157.80	60.45%
RinkuSingh	Left hand Bat	Middle order Batter	KKR	317	474	59.25	149.53	62.87%
JosButtler	Right hand Bat	Wicketkeeper Batter	Rajasthan Royals	579	863	57.53	149.05	69.76%
SaurabhTiwary	Left hand Bat	Top order Batter	Mumbai Indians	97	115	57.50	118.56	45.22%
FafduPlessis	Right hand Bat	Middle order Batter	Chennai Super Kings	475	730	56.15	153.68	62.47%
RajatPatidar	Right hand Bat	Top order Batter	RCB	218	333	55.50	152.75	64.86%
DineshKarthik	Right hand Bat	Wicketkeeper Batter	KKR	180	330	55.00	183.33	72.73%

# IPL 2024 Analysis



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

### Top 10 Batsmen (minimum 60 balls faced in each season)

batsmanName	Batting Style	Playing Role	Team	Balls Faced	Total Runs	Batting Average	Strike Rate	Boundary %
TimDavid	Right hand Bat	Middle order Batter	RCB	86	186	37.20	216.28	77.42%
NicholasPooran	Left hand Bat	Wicketkeeper Batter	Punjab Kings	176	338	30.73	192.05	76.92%
GlennMaxwell	Right hand Bat	Batting Allrounder	RCB	218	400	33.33	183.49	75.50%
DineshKarthik	Right hand Bat	Wicketkeeper Batter	KKR	180	330	55.00	183.33	72.73%
LiamLivingstone	Right hand Bat	Batting Allrounder	Rajasthan Royals	240	437	36.42	182.08	73.23%
SuryakumarYadav	Right hand Bat	Batter	Mumbai Indians	334	605	43.21	181.14	70.74%
HeinrichKlaasen	Right hand Bat	Wicketkeeper Batter	Sunrisers Hyderabad	253	448	49.78	177.08	62.05%
AndreRussell	Right hand Bat	Allrounder	KKR	192	335	37.22	174.48	78.81%
DhruvJurel	Right hand Bat	Wicketkeeper Batter	Rajasthan Royals	88	152	21.71	172.73	64.47%
AjinkyaRahane	Right hand Bat	Top order Batter	Delhi Capitals	189	326	32.60	172.49	58.90%

# IPL 2024 Analysis



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

## Top 5 Batsmen (minimum 60 balls faced in each season)

batsmanName	Batting Style	Playing Role	Team	Balls Faced	Total Runs	Batting Average	Strike Rate	Boundary %
AndreRussell	Right hand Bat	Allrounder	KKR	192	335	37.22	174.48	78.81%
YashasviJaiswal	Left hand Bat	Opening Batter	Rajasthan Royals	382	625	48.08	163.61	77.44%
TimDavid	Right hand Bat	Middle order Batter	RCB	86	186	37.20	216.28	77.42%
NicholasPooran	Left hand Bat	Wicketkeeper Batter	Punjab Kings	176	338	30.73	192.05	76.92%
AndreRussell	Right hand Bat	Allrounder	KKR	120	183	26.14	152.50	76.50%

# IPL 2024 Analysis



5. Top 10 bowlers based on past 3 years total wickets taken.

## Top 10 Bowler (minimum 60 balls bowled in each season)

Bowler Name	Bowling Style	Team	Balls	Wickets	Dot Ball %	Economy Rate	Bowling Average	Run Conceded	Wides
MohammedShami	Right arm Fast	Punjab Kings	1072	67	0.48	7.86	20.97	1405	47
YuzvendraChahal	Legbreak Googly	RCB	1043	66	0.35	7.67	20.20	1333	46
HarshalPatel	Right arm Medium	RCB	941	65	0.36	8.44	20.35	1323	43
RashidKhan	Legbreak Googly	Sunrisers Hyderabad	1097	63	0.35	7.20	20.90	1317	46
AveshKhan	Right arm Fast medium	Delhi Capitals	802	47	0.42	8.34	23.72	1115	37
KagisoRabada	Right arm Fast	Delhi Capitals	744	45	0.43	8.62	23.76	1069	33
ArshdeepSingh	Left arm Medium fast	Punjab Kings	853	45	0.37	8.58	27.11	1220	40
VarunChakravarthy	Legbreak Googly	KKR	958	44	0.38	7.57	27.48	1209	42
ShardulThakur	Right arm Medium	Chennai Super Kings	775	43	0.36	9.45	28.37	1220	39
TrentBoult	Left arm Fast medium	Mumbai Indians	908	42	0.46	8.00	28.81	1210	40



# IPL 2024 Analysis



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

## Top 10 Bowler (minimum 60 balls bowled in each season)

Bowler Name	Bowling Style	Team	Balls	Wickets	Dot Ball %	Economy Rate	Bowling Average	Run Conceded	Wides
JofraArcher	Right arm Fast	Mumbai Indians	120	2	0.41	9.50	95.00	190	5
FabianAllen	Slow Left arm Orthodox	Punjab Kings	66	1	0.30	8.18	90.00	90	3
MayankDagar	Slow Left arm Orthodox	Sunrisers Hyderabad	66	1	0.33	7.55	83.00	83	3
DeepakHooda	Right arm Offbreak	Punjab Kings	96	2	0.32	8.50	68.00	136	7
JayantYadav	Right arm Offbreak	Mumbai Indians	102	2	0.43	7.65	65.00	130	5
HrithikShokeen	Right arm Offbreak	Mumbai Indians	204	5	0.40	9.24	62.80	314	13
AbhishekSharma	Slow Left arm Orthodox	Sunrisers Hyderabad	72	2	0.32	10.33	62.00	124	5
CameronGreen	Right arm Fast medium	Mumbai Indians	228	6	0.39	9.50	60.17	361	16
AndrewTye	Right arm Medium fast	Lucknow Super Giants	66	2	0.36	9.73	53.50	107	3
ChrisJordan	Right arm Fast medium	Punjab Kings	281	9	0.33	9.99	52.00	468	14



# IPL 2024 Analysis



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

## Top 10 Bowler (minimum 60 balls bowled in each season)

Bowler Name	Bowling Style	Team	Balls		Wickets	Dot Ball %	Economy Rate	Bowling Average	Run Conceded	Wides
ArshadKhan	Left arm Medium	Mumbai Indians	85		5	0.32	13.41	38.00	190	6
OdeanSmith	Right arm Fast medium	Punjab Kings	90		6	0.40	11.87	29.67	178	6
TymalMills	Left arm Fast	Mumbai Indians	102		6	0.29	11.18	31.67	190	5
AkashDeep	Right arm Fast medium	RCB	113		5	0.35	10.88	41.00	205	5
JhyeRichardson	Right arm Fast	Punjab Kings	66		3	0.36	10.64	39.00	117	3
VijaykumarVyshak	Right arm Medium	RCB	144		9	0.28	10.54	28.11	253	7
MukeshKumar	Right arm Medium	Delhi Capitals	186		7	0.35	10.52	46.57	326	10
LungiNgidi	Right arm Fast medium	Chennai Super Kings	72		5	0.35	10.42	25.00	125	3
KarnSharma	Legbreak Googly	RCB	129		10	0.30	10.37	22.30	223	7
AbhishekSharma	Slow Left arm Orthodox	Sunrisers Hyderabad	72		2	0.32	10.33	62.00	124	5

# IPL 2024 Analysis



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

## Top 10 Bowler (minimum 60 balls bowled in each season)

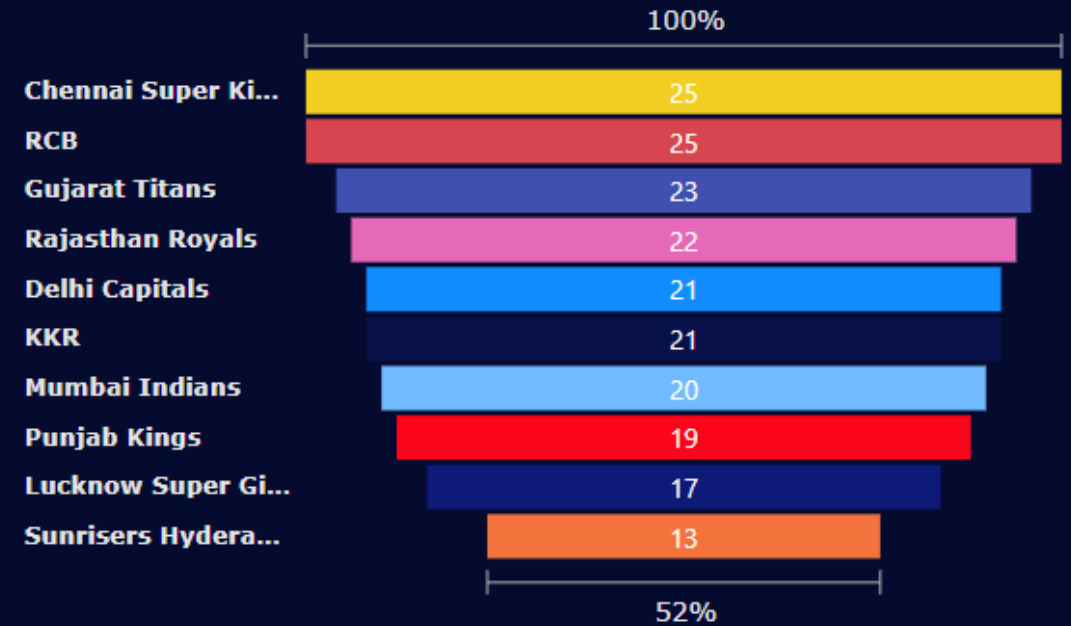
Bowler Name	Bowling Style	Team	Balls	Wickets	Dot Ball %	Economy Rate	Bowling Average	Run Conceded	Wides
SimarjeetSingh	Right arm Medium fast	Chennai Super Kings	108	4	0.53	7.67	34.50	138	6
MohsinKhan	Left arm Medium fast	Lucknow Super Giants	258	17	0.50	7.07	17.88	304	13
ChrisWoakes	Right arm Fast medium	Delhi Capitals	66	5	0.50	7.45	16.40	82	3
MarkWood	Right arm Fast	Lucknow Super Giants	96	11	0.50	8.13	11.82	130	4
HarshitRana	Right arm Fast	KKR	102	5	0.49	8.65	29.40	147	6
PrasidhKrishna	Right arm Fast medium	KKR	630	31	0.48	8.59	29.10	902	27
MohammedSiraj	Right arm Fast	RCB	918	39	0.48	8.12	31.85	1242	44
MohammedShami	Right arm Fast	Punjab Kings	1072	67	0.48	7.86	20.97	1405	47
TrentBoult	Left arm Fast medium	Mumbai Indians	908	42	0.46	8.00	28.81	1210	40
DushmanthaChameera	Right arm Fast	Lucknow Super Giants	264	9	0.46	8.73	42.67	384	12

# IPL 2024 Analysis



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

## Team By Winner %

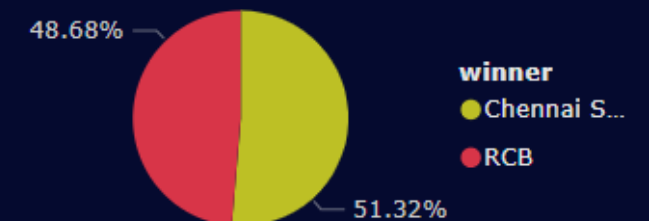


10. Top 2 teams with the highest number of wins achieved by chasing targets over the past 3 years.

## Top 2 Team By Chasing

**winner**

Chennai Super Kings  
RCB



# IPL 2024 Analysis



## Secondary Analysis

1. Orange and purple cap player.

2. Top 4 qualifying teams.

3. Winner and runner-up

### Player's Performance

Orange Cap Player



ShubmanGill

Purple Cap Player



MohammedShami

### Teams Performance

#### Top 4 Qualifying Teams

Team Name



Chennai Super Kings  
Gujarat Titans  
Rajasthan Royals  
RCB

#### Winner And Runner-up

Team Name



Chennai Super Kings  
RCB

# IPL 2024 Analysis



4. Pick your team selecting the Best 11 players based on their positions, 3 years performance data and additional research

Sports Basics

Select your Best 11

Search

☐ AaronFinch

☒ ABdeVilliers

☐ AbdulBasith

☐ AbdulSamad

☐ AbhijeetTomar

☐ AbhinavManohar

☐ AbhishekSharma

☐ AbishekPorel

☐ AdamMilne

☐ AdamZampa

☐ AdilRashid

☐ AidenMarkram

☐ AjinkyaRahane

☐ AkashDeep

☐ AkashMadhwal

☐ AkashSingh

Teams Analysis

Best 11

Player's Name	Team	Playing Role	Batting Style	Bowling Style	Batting Average	Strike Rate	Bowling Average	Economy Rate
ABdeVilliers	RCB	Wicketkeeper Batter	Right hand Bat	Right arm Medium	31.30	148.34		
AxarPatel	Delhi Capitals	Bowling Allrounder	Left hand Bat	Slow Left arm Orthodox	26.58	136.86	31.30	7.11
BenStokes	Rajasthan Royals	Allrounder	Left hand Bat	Right arm Fast medium	5.00	88.24	0.00	15.00
DavidWarner	Sunrisers Hyderabad	Opening Batter	Left hand Bat	Legbreak	37.90	133.45		
KuldeepYadav	Delhi Capitals	Bowler	Left hand Bat	Left arm Wrist spin	26.33	79.00	25.16	7.91
MSDhoni	Chennai Super Kings	Wicketkeeper Batter	Right hand Bat	Right arm Medium	25.00	127.84		
ShardulThakur	Chennai Super Kings	Bowler	Right hand Bat	Right arm Medium	13.22	146.91	28.37	9.45
SuryakumarYadav	Mumbai Indians	Batter	Right hand Bat	Right arm Medium, Right arm Offbreak	35.00	160.55		
TrentBoult	Mumbai Indians	Bowler	Right hand Bat	Left arm Fast medium	19.00	121.28	28.81	8.00
ViratKohli	RCB	Top order Batter	Right hand Bat	Right arm Medium	33.78	127.06		
YashasviJaiswal	Rajasthan Royals	Opening Batter	Left hand Bat	Legbreak	34.30	152.15	0.00	36.00

Team Performance

30.69

138.86

28.66

21.10

8.15

0.38

Batting Average

Strike Rate

Bowling Average

Bowling S/R

Economy Rate

Dot Ball %

# IPL 2024 Analysis



5. Pick your top 3 all-rounders.

## Sports Basics

Select your Top 3

- 
- ☐ AbdulBasith
  - ☐ AbhishekSharma
  - ☐ AmanHakimKhan
  - ☒ AndreRussell
  - ☐ AnukulRoy
  - ☐ BenStokes
  - ☐ ChrisGayle
  - ☐ ChrisWoakes
  - ☐ DanChristian
  - ☐ DanielSams
  - ☐ DasunShanaka
  - ☐ DavidWiese
  - ☐ DeepakHooda
  - ☒ DwayneBravo
  - ☐ GlennPhillips
  - ☒ HardikPandya
  - ☐ JalajSaxena

## Teams Analysis

## Best 11

### Batter's Performance

### Bowler's Performance

### All Rounders

Player's Name	Team	Inning Batted	Runs	Batting Avg.	Strike Rate	Innings Bowled	Balls Bowled	Wickets	Economy	Bowling S/R	Maiden
AndreRussell	KKR	35	745	27.59	159.19	30	374	35	10.24	10.69	30
DwayneBravo	Chennai Super Kings	9	70	23.33	166.67	21	408	30	8.26	13.60	21
HardikPandya	Mumbai Indians	41	960	30.97	130.43	21	333	11	8.11	30.27	21

### Your Picks Performance

29.10

Batting Average

142.46

Strike Rate

21.71

Bowling Average

14.67

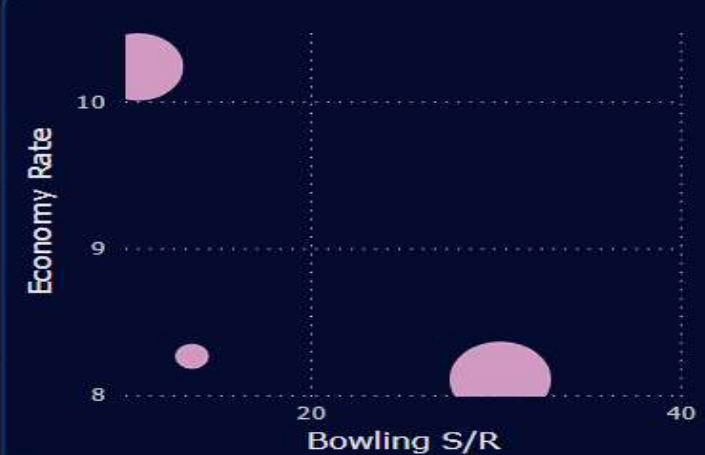
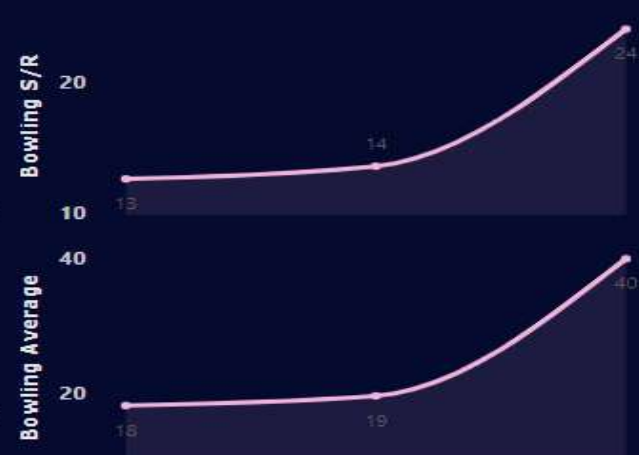
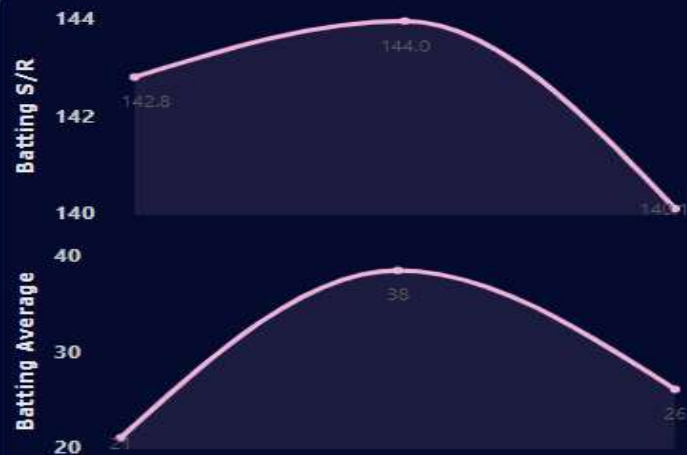
Bowling S/R

8.88

Economy Rate

0.37

Dot Ball %





# IPL 2024 Analysis



\* Thank You \*