

## Problem statement:

What should be India's Futuristic XI against ENG in the next T20I World cup, 2024



## Datasets used:

- IPL Ball by ball (2008-2022)
- Player & Country
- Player & Bowling type

Filtering IPL data: 2018 - 2023

## England XI - Lineup

	WI VS ENG ( Jan 2022 )					ENG vs IND ( Jul 2022 )		
Players	1st T20I	2nd T20I	3rd T20I	4th T20I	5th T20I	1st T20I	2nd T20I	3rd T20I
Jason Roy	1	1	1	1	1	1	1	1
Tom Banton	1	1	1	1	1	0	0	0
J Vince	1	1	1	1	1	0	0	0
Moeen Ali	1	1	1	1	1	1	1	1
Liam Livingstone	0	0	1	1	1	1	1	1
D Malan	0	0	0	0	0	1	1	1
Morgan	1	1	0	0	0	0	0	0
Jos Buttler (wk)	0	0	0	0	0	1	1	1
Billings (wk)	1	1	0	1	1	0	0	0
Chris Jordan	1	1	0	1	1	1	1	1
Adil Rashid	1	1	1	1	1	0	0	0
R Topley	0	1	1	1	1	1	0	1
Saqib Mahmood	1	1	0	0	1	0	0	0
Philip Salt	0	0	1	1	1	0	0	0
Tymal Mills	1	0	0	1	0	1	0	0
Harry Brook	0	0	1	0	0	1	1	1
George Garton	0	0	1	0	0	0	0	0
Liam Dawson	1	1	0	0	0	0	0	0
D Willey	0	0	0	0	0	0	1	1
Sam Curran	0	0	0	0	0	1	1	1
R Gleeson	0	0	0	0	0	0	1	1
Matt Parkison	0	0	0	0	0	1	1	1

courtesy: <https://www.cricbuzz.com/cricket-series/3482/england-tour-of-west-indies-2022/matches>

## England playing xi:

1. Alex Hales
2. Jos Buttler (c & wk)
3. Dawid Malan / Phil Salt
4. Moeen Ali
5. Liam Livingstone
6. Ben Stokes
7. Harry Brook
8. Sam Curran
9. Chris Jordan
10. Chris Woakes / M Wood
11. Adil Rashid

## Others:

- D Willey, Billings, Saqib Mahmood, Tom Curran

## Points to note:

- **Mix of left-right batsman in Top 7**
  - Need a wrist spinner (to counter attack)
- **Aggressive English players**
  - Need an aggressive Indian line up (less anchors, more attackers)
- **Mo Ali, Rashid - two spinners & Livingstone**
  - Need middle order players who are good against spin

## India's current problems

Player	Age
Dinesh Karthik	37
R Ashwin	36
Rohit Sharma	35
Virat Kohli	34
Surya Kumar Yadav	32
Y Chahal	32
Bhuvi	32
M Shami	32
Harshal Patel	31
KL Rahul	30
Hardik Pandya	29
Axar Patel	28
D Hooda	27
Rishab Pant	25
Arshdeep Singh	23

- **Senior players - Karthik, Ashwin, Rohit, Virat, ..**
  - Most of them might be missing for next WC
- **Rohit, Rahul - problem with the opening pair**
  - We are yet to find a player like Viru

- Approach to T20 innings has to change from openers itself
- **Team needs genuine wicket takers on any kind of tracks**
  - One of the main reasons why we lost the semis, against Pak in 2021
- **Need to build players who are adaptable to any venues / situations**
  - playing other leagues, trying different players for overseas series, framework to identify

## **India's XI - Exploration:**

**Top Order - Mid Order - Lower Mid - Lower**

### **1. Top Order:**

**Is there a better anchor than Virat?**

# Most balls played:

Players who played most no of balls in IPL 2018 - 2023

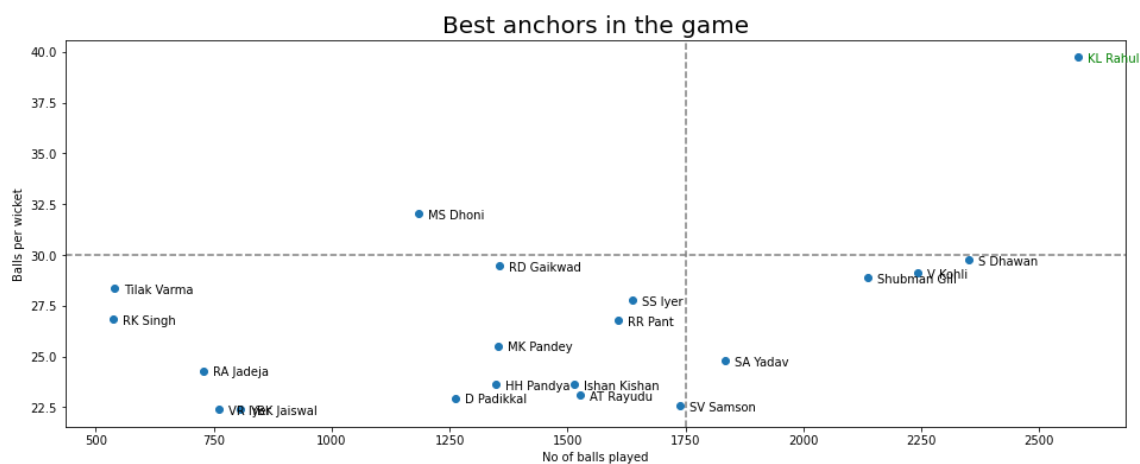


# Best wicket preventors:

## Players with most balls per wicket in IPL 2018 - 2023



## Summary of Anchors:



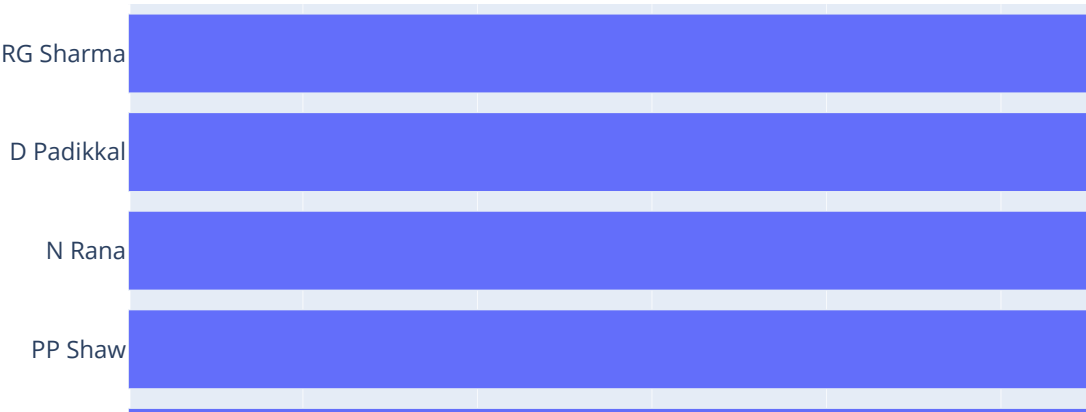
## Fours per Six

Fours per Six ratio

	playerName	fours	sixes	fps	spf	country
0	S Dhawan	349	78	4.47436	0.223496	India
1	PP Shaw	208	56	3.71429	0.269231	India
2	V Kohli	261	75	3.48	0.287356	India
3	Shubman Gill	273	80	3.4125	0.29304	India
4	SA Yadav	295	91	3.24176	0.308475	India
5	MA Agarwal	173	64	2.70312	0.369942	India
6	RA Tripathi	162	61	2.65574	0.376543	India
7	SS Iyer	158	67	2.35821	0.424051	India
8	RG Sharma	200	85	2.35294	0.425	India
9	KD Karthik	153	68	2.25	0.444444	India
10	RD Gaikwad	159	73	2.17808	0.459119	India
11	RR Pant	214	99	2.16162	0.462617	India
12	Ishan Kishan	186	90	2.06667	0.483871	India
13	KL Rahul	294	144	2.04167	0.489796	India
14	N Rana	198	106	1.86792	0.535354	India

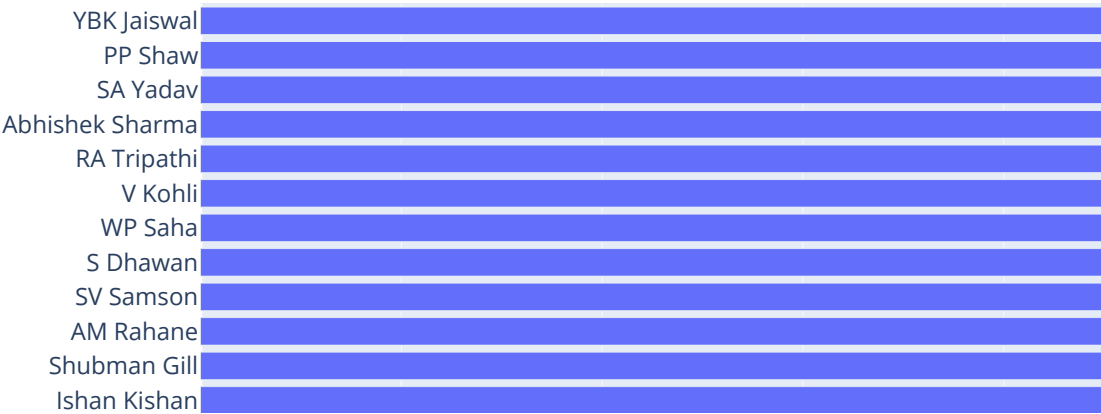
High dot ball percentage - Boundary Riders?

Players with high dot ball % since IPL 2018



# Powerplay Stats

Players with high S/R in Powerplay since IPL 2018



## Struggle of our anchors in the Middle overs:

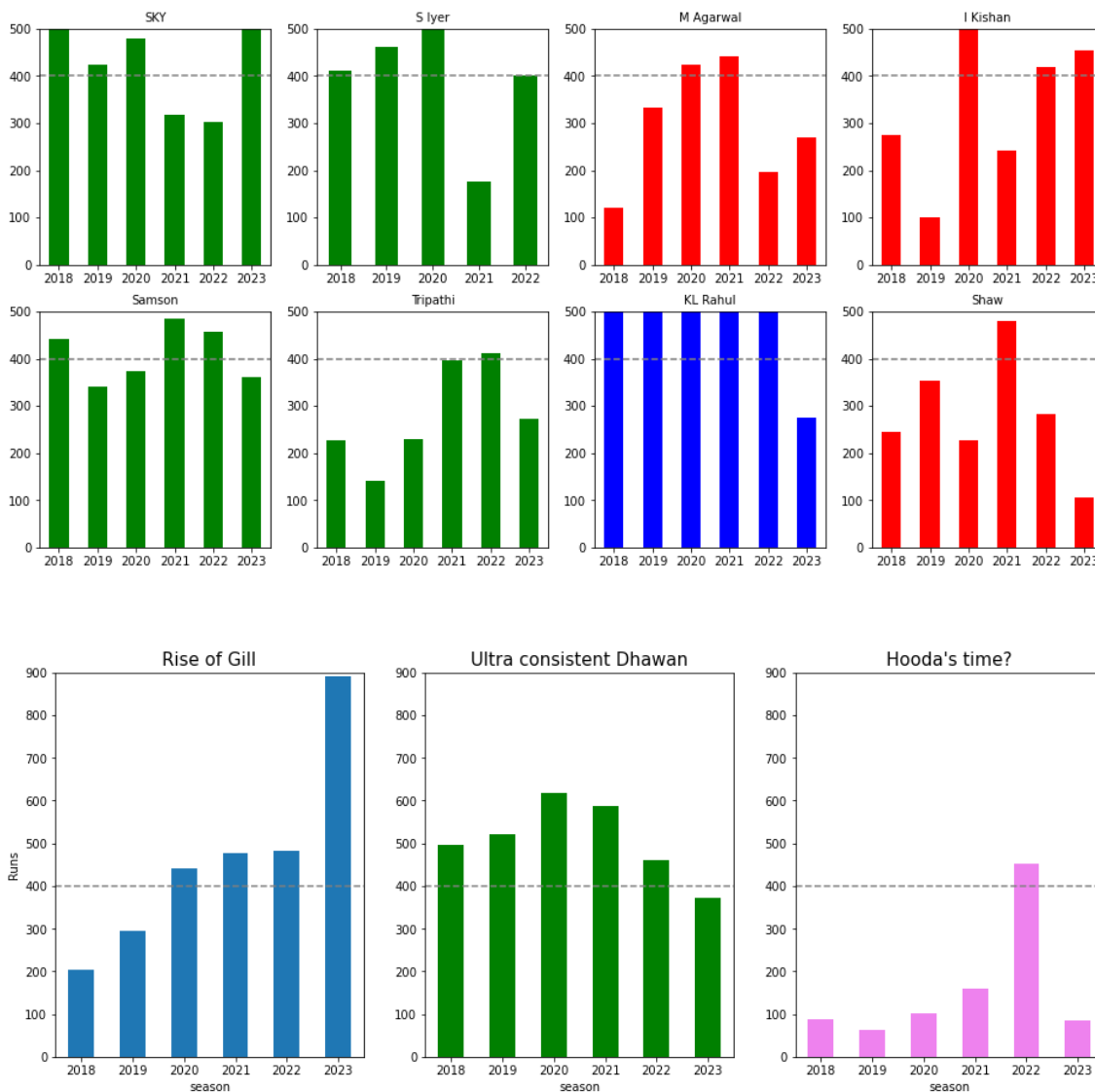
Strike Rates against Spin in Middle Overs

	striker	runs	balls	strike_rate
0	KL Rahul	471	407	115.725
1	RG Sharma	270	224	120.536
2	S Dhawan	569	439	129.613
3	V Kohli	519	492	105.488

## Solution?



	striker	runs	balls	strike_rate
0	SV Samson	651	415	156.867
1	Shubman Gill	639	440	145.227
2	MA Agarwal	378	263	143.726
3	S Dube	240	167	143.713
4	N Rana	540	393	137.405
5	RD Gaikwad	321	235	136.596
6	Ishan Kishan	463	340	136.176
7	Tilak Varma	216	160	135
8	RR Pant	552	411	134.307
9	D Padikkal	303	231	131.169



## Performance in latest T20Is against IRE, ENG, WI, Asia Cup:

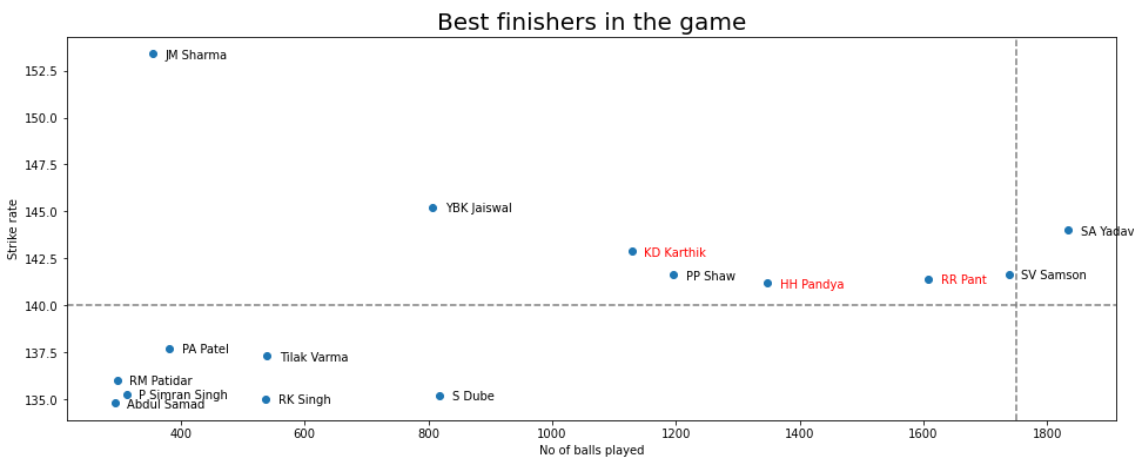
- SKY : .. 24(14), 18(18), 68(26), 13(10), 34(29), 6(2)
- Hooda : 47(29), 104(57), .... 10\*(7), 21(19), 38(25)
- Samson : - , 77(42), .. 30(23), 15(11)
- Virat : 35(34), 59(44), 60(44), 0(4), 122\*(61)

## Final Top 4:

- 1. Y Jaiswal / Ruturaj
- 2. Shubman Gill
- 3. Sanju Samson / Virat
- 4. Surya Kumar Yadav

## Middle Order: Finishers

H Pandya, K Pandya, Pant, DK, Jadeja, S Dube, ....



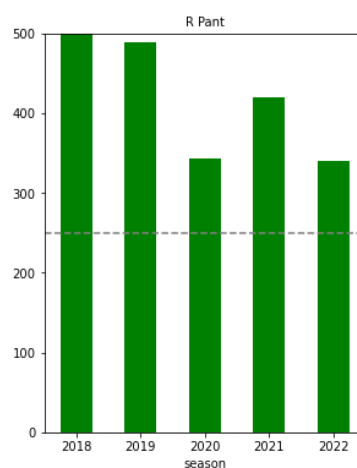
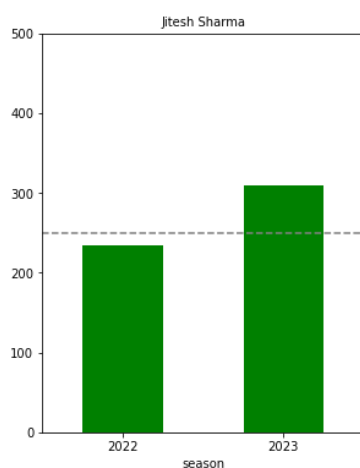
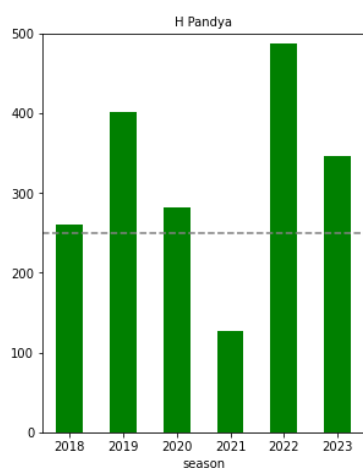
Players with most Strike rate since IPL 2018



**Coming to Death overs:**

## Strike Rates in Death Overs

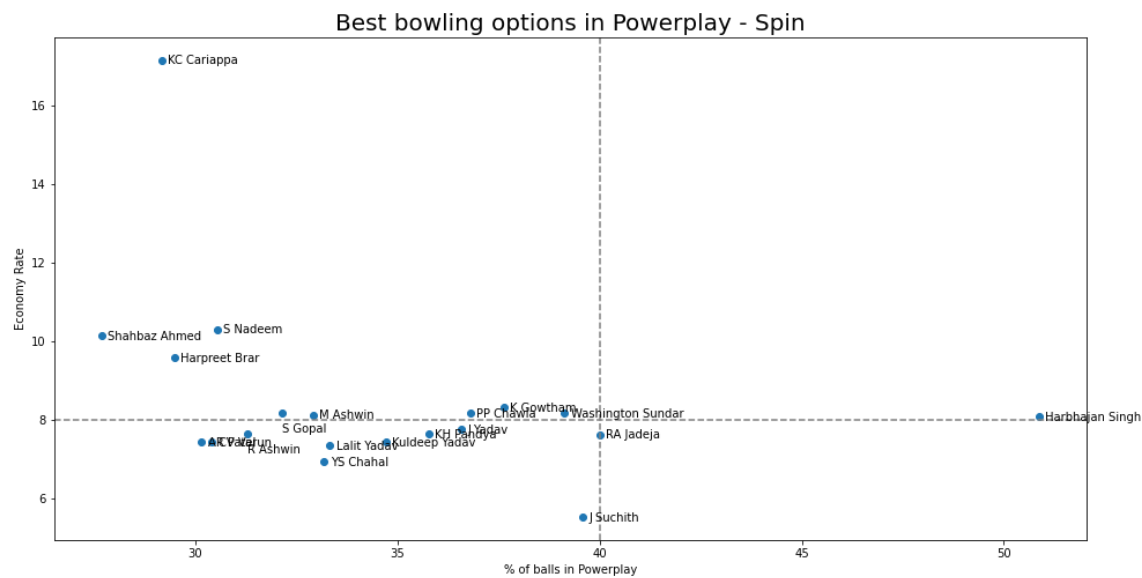
	playerName	strike_rate
0	V Kohli	196.933
1	RR Pant	190.984
2	KL Rahul	184.701
3	V Shankar	182.418
4	KD Karthik	182
5	SV Samson	181.646
6	HH Pandya	177.419
7	RK Singh	176.923
8	MS Dhoni	173.496
9	S Dube	169.536
10	RA Jadeja	163.678
11	R Tewatia	163.265
12	AR Patel	155.926
13	KH Pandya	153.182
14	M Shahrukh Khan	152.903



## Final Top 6:

1. Ruturaj / Prithvi Shaw
2. Shubman Gill
3. Sanju Samson / Virat
4. Surya Kumar Yadav
5. Hardik Pandya
6. Pant (wk) / Jitesh (wk)

## Lower Middle Order, Spin & Pace options:

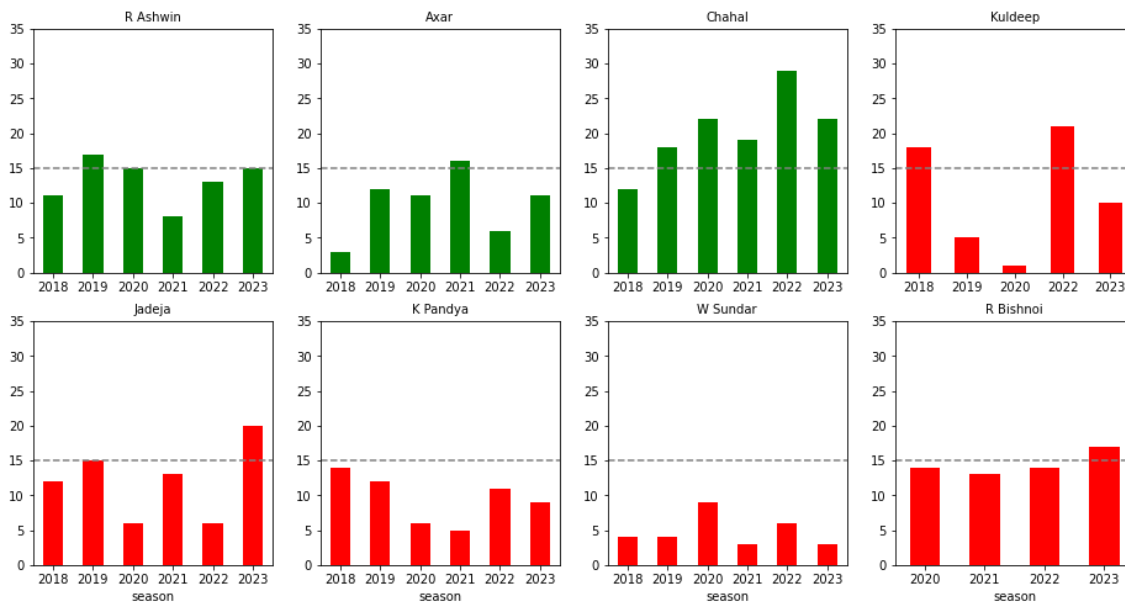


## Question on Spinners bowling in Powerplay!

### Clues

Most Wickets in Powerplay by Spinner

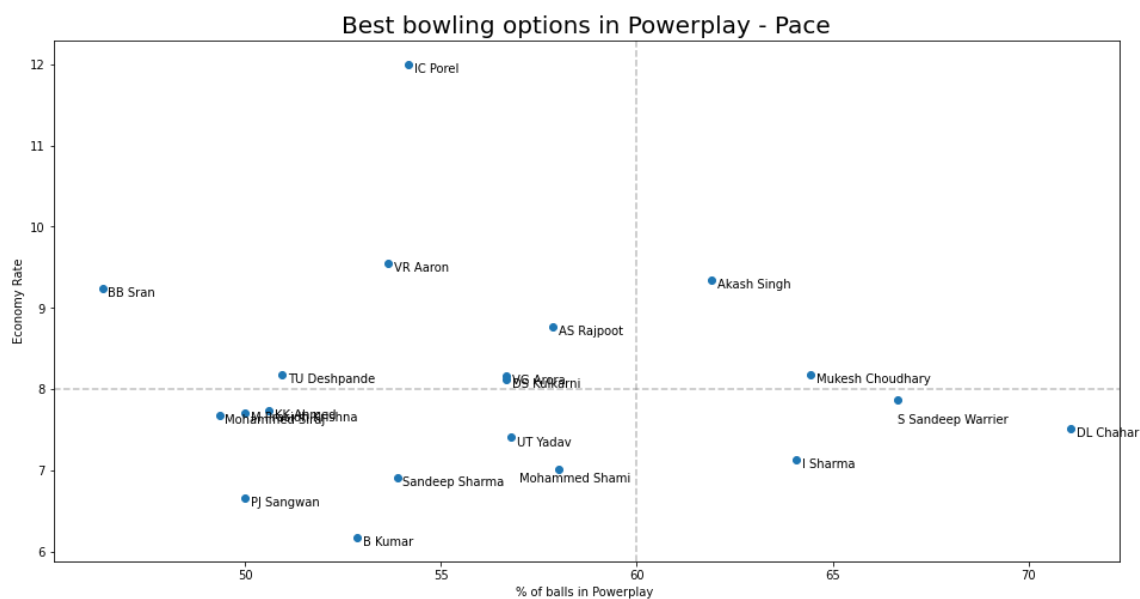
	playerName	wickets
0	R Ashwin	15
1	KH Pandya	13
2	AR Patel	12
3	Harbhajan Singh	11
4	CV Varun	11
5	K Gowtham	10
6	PP Chawla	9
7	Washington Sundar	8
8	YS Chahal	8
9	S Gopal	7



## Final Top 8:

1. Ruturaj / Prithvi Shaw
2. Shubman Gill
3. Sanju Samson / Virat
4. Surya Kumar Yadav
5. Hardik Pandya
6. Pant (wk)
7. R Jadeja
8. Chahal / Bishnoi

## Tail



Most Wickets in Powerplay by Pacer

	playerName	wickets
0	DL Chahar	52
1	Mohammed Shami	42
2	Mohammed Siraj	28
3	UT Yadav	26
4	B Kumar	22
5	Arshdeep Singh	21
6	JJ Bumrah	19
7	SN Thakur	18
8	KK Ahmed	18
9	Sandeep Sharma	17

Best economic bowlers in the Death Overs



## Wickets in Death Overs

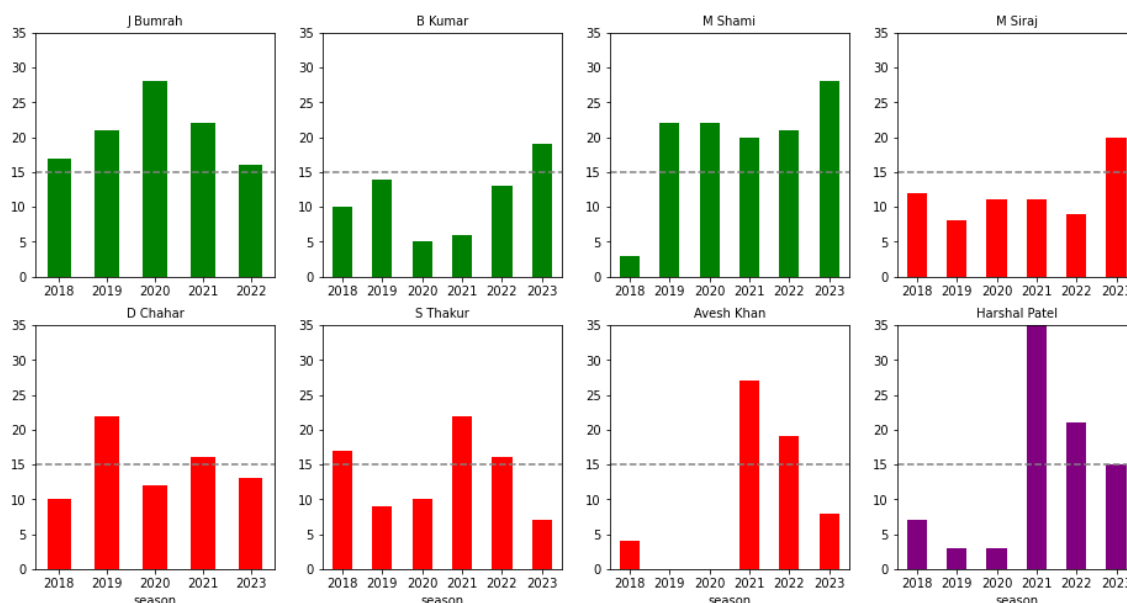
	playerName	wickets
0	Mohammed Shami	50
1	JJ Bumrah	50
2	HV Patel	40
3	SN Thakur	32
4	B Kumar	31
5	Mohammed Siraj	29
6	Arshdeep Singh	27
7	T Natarajan	27
8	KK Ahmed	23
9	YS Chahal	21

## Bumrah walks into the team any day!

Others:

- **D Chahar** - (excellent in PP, decent in Death)
- **B Kumar** - (perfect for swinging conditions, performance against Eng)
- **Shami** - (nail yorkers, 140+)
- **T Natarajan** - (with confidence of Aus tour, injuries, fairly consistent this IPL)
- **M Siraj** - (excellent IPL 2021 season, couldn't replicate in 2022)
- **N Saini** - (high pace, low accuracy, missed out in RR)
- **Shardul, Unadkat, Tyagi, Avesh, Harshal, Arshdeep**

## Bowlers Consistency





## India's Best XI against England (T20I) :

1. Y Jaiswal / Ruturaj
2. Shubman Gill
3. Sanju Samson / Virat
4. Surya Kumar Yadav
5. Hardik Pandya
6. Pant (wk) / Jitesh (wk)
7. R Jadeja
8. Chahal
9. Shami
10. Siraj / Arshdeep
11. Bumrah

Others: Y Jaiswal / V Iyer / Mohsin Khan / Umran / ..