Datasets used:

- Ball by ball
- Player & Country
- Player & Bowling type

Filtering IPL data: 2017 - 2022

England XI - Lineup

Players	WI VS ENG (Jan 2022)				
	1st T20I	2nd T20I	3rd T20I	4th T20I	5th T20I
Jason Roy	1	1	1	1	1
Tom Banton	1	1	1	1	1
J Vince	1	1	1	1	1
Moeen Ali	1	1	1	1	1
Liam Livingstone	0	0	1	1	1
Morgan	1	1	0	0	0
Billings (wk)	1	1	0	1	1
Chris Jordan	1	1	0	1	1
Adil Rashid	1	1	1	1	1
R Topley	0	1	1	1	1
Saqib Mahmood	1	1	0	0	1
Philip Salt	0	0	1	1	1
Tymal Mills	1	0	0	1	0
Harry Brook	0	0	1	0	0
George Garton	0	0	1	0	0
Liam Dawson	1	1	0	0	0

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

England playing xi:

1. Jason Roy
2. Jos Buttler (wk)
3. Moeen Ali
4. Jonny Bairstow
5. Liam Livingstone
6. Eoin Morgan (c)
7. Ben Stokes
8. Chris Jordan
9. Tymal Mills

10. Adil Rashid
11. R Topley

Others:

- Tom Banton, Billings, Saqib Mahmood

Points to note:

- **4 right handers in Top 7**
  - Need a leg-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 XI - Exploration:

Top Order - Mid Order - Lower Mid - Tail

1. Top Order:

Is there a better anchor than Virat?

Most balls played:
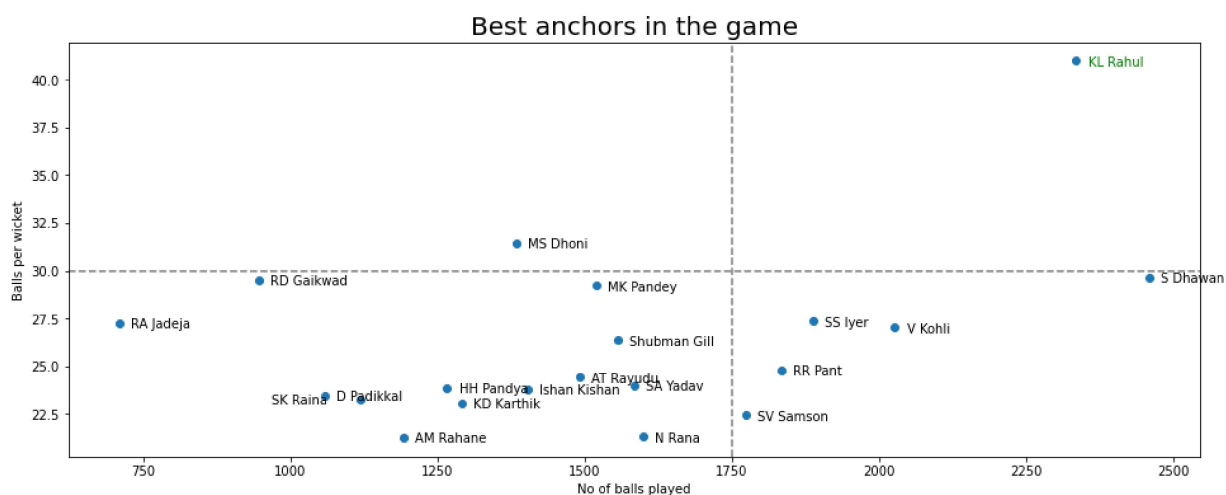
Players who played most no of balls in IPL 2017 - 2022

S Dhawan	
KL Rahul	
V Kohli	
SS Iyer	
DA Warner	
RR Pant	
SV Samson	

Best wicket preventors:

Players with most balls per wicket in IPL 2017 - 2022

KL Rahul

MS Dhoni

S Dhawan

RD Gaikwad

MK Pandey

SS Iyer

RA Jadeja

Summary of Anchors:

Best anchors in the game

Scatter plot of Balls per wicket vs No of balls played:

- KL Rahul
- MS Dhoni
- RD Gaikwad
- MK Pandey
- RA Jadeja
- Shubman Gill
- SS Iyer
- V Kohli
- S Dhawan
- RR Pant
- AT Rayudu
- HH Pandya
- Ishan Kishan
- SA Yadav
- SK Raina
- D Padikkal
- KD Karthik
- SV Samson
- AM Rahane
- N Rana

Fours per Six

Fours per Six ratio

	playerName	fours	sixes	fps	spf	country
0	S Dhawan	353	75	4.70667	0.212465	India
1	SA Yadav	238	66	3.60606	0.277311	India
2	PP Shaw	192	55	3.49091	0.286458	India
3	V Kohli	219	70	3.12857	0.319635	India
4	MK Pandey	149	53	2.81132	0.355705	India
5	RA Tripathi	176	68	2.58824	0.386364	India
6	RG Sharma	196	77	2.54545	0.392857	India
7	MA Agarwal	147	58	2.53448	0.394558	India
8	SS Iyer	194	77	2.51948	0.396907	India
9	KD Karthik	170	74	2.2973	0.435294	India
10	RR Pant	242	123	1.96748	0.508264	India
11	KL Rahul	266	140	1.9	0.526316	India
12	Ishan Kishan	161	85	1.89412	0.52795	India
13	RV Uthappa	140	78	1.79487	0.557143	India
14	N Rana	183	103	1.7767	0.562842	India

High dot ball percentage - Boundary Riders?

Players with high dot ball % since IPL 2017

RG Sharma

D Padikkal

N Rana

Ishan Kishan

PP Shaw
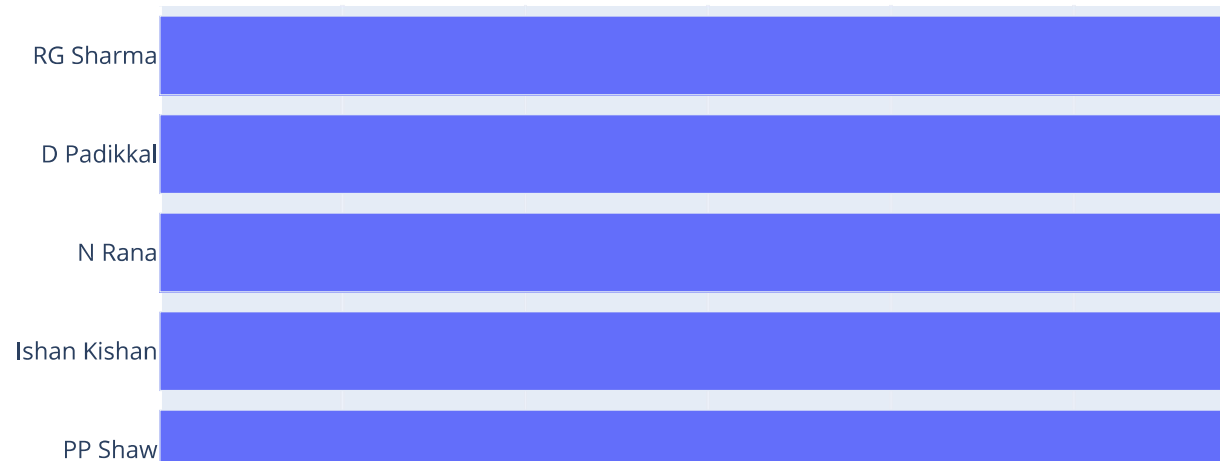
Powerplay Stats

Players with high S/R in Powerplay since IPL 2017

PP Shaw
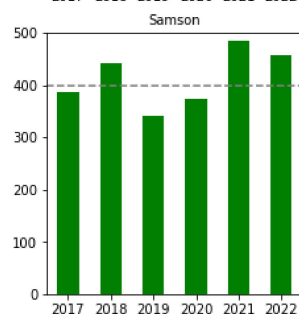PA Patel
SA Yadav
RA Tripathi
SV Samson
WP Saha
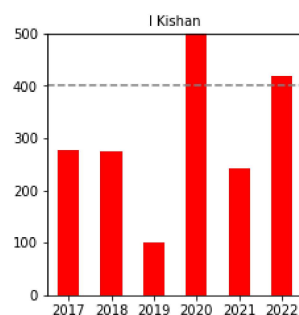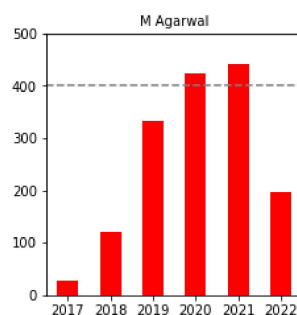S Dhawan
SK Raina
V Kohli
KL Rahul
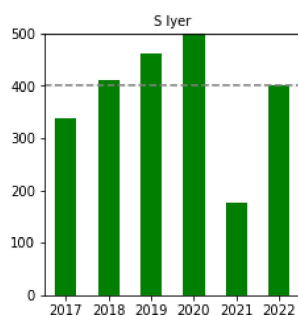MK Pandey
RV Uthappa
MA Agarwal

Struggle of our anchors in the Middle overs:

```
Strike Rates against Spin in Middle Overs
+----+-----------+--------+---------+--------------+
|    |  striker  |  runs  |  balls  |  strike_rate |
|----+-----------+--------+---------+--------------|
|  0 | KL Rahul  |   431  |    370  |     116.486  |
|  1 | RG Sharma |   279  |    240  |     116.25   |
|  2 | S Dhawan  |   594  |    456  |     130.263  |
|  3 | V Kohli   |   505  |    459  |     110.022  |
+----+-----------+--------+---------+--------------+
```

Solution?

```
+----+---------------+--------+---------+---------------+
|    | striker       | runs   | balls   | strike_rate   |
|----+---------------+--------+---------+---------------|
|  0 | SV Samson     | 620    | 393     | 157.761       |
|  1 | MA Agarwal    | 307    | 204     | 150.49        |
|  2 | N Rana        | 546    | 388     | 140.722       |
|  3 | Shubman Gill  | 427    | 304     | 140.461       |
|  4 | D Padikkal    | 280    | 202     | 138.614       |
|  5 | RR Pant       | 616    | 452     | 136.283       |
|  6 | Ishan Kishan  | 405    | 305     | 132.787       |
|  7 | RV Uthappa    | 304    | 229     | 132.751       |
|  8 | S Dhawan      | 594    | 456     | 130.263       |
|  9 | RD Gaikwad    | 223    | 173     | 128.902       |
+----+---------------+--------+---------+---------------+
```

Rise of Gill

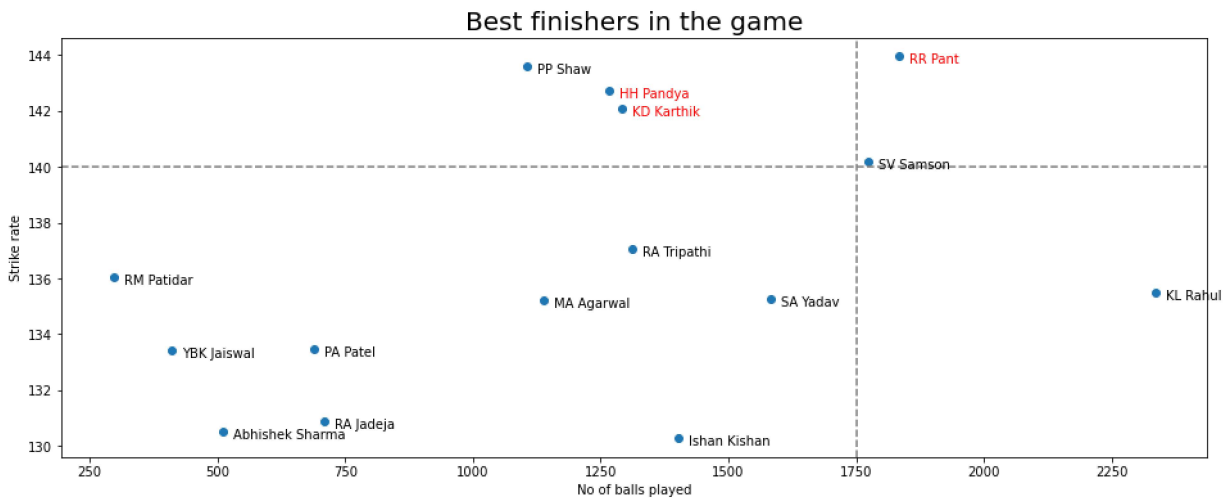## Ultra consistent Dhawan
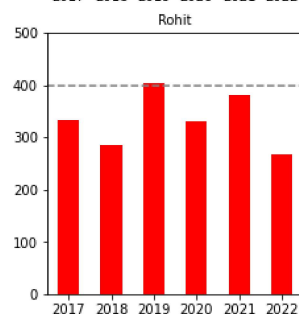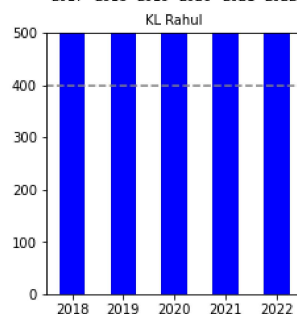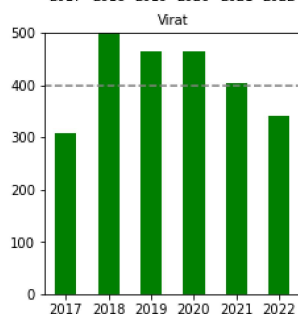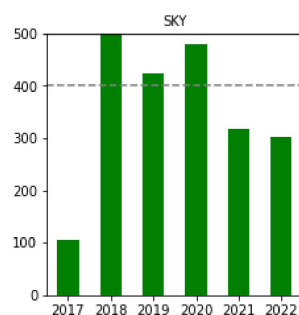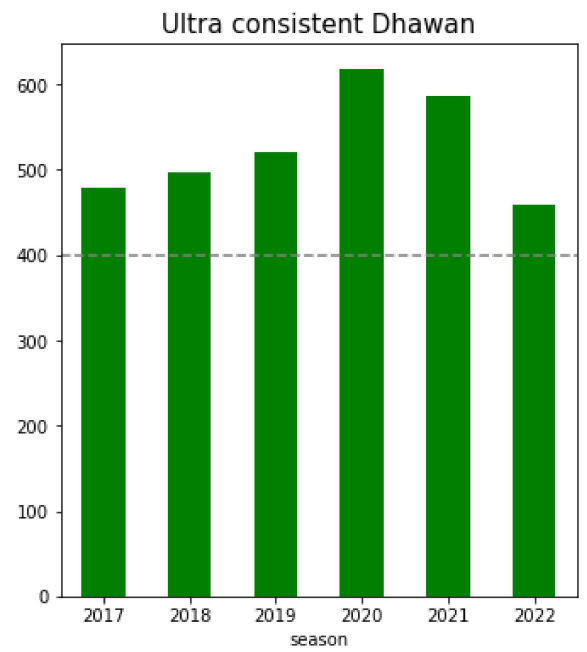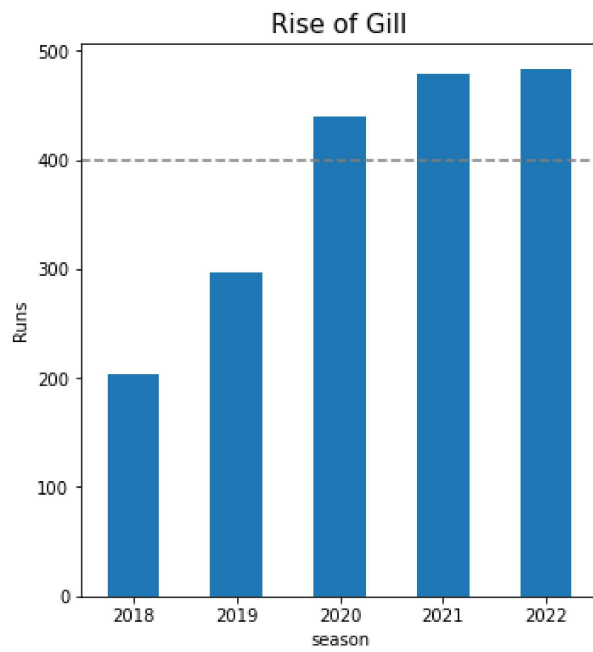
Final Top 4:

1. Ishan Kishan
2. KL Rahul
3. Sanju Samson
4. Shreyas Iyer

Middle Order: Finishers

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

Best finishers in the game

Players with most Strike rate since IPL 2017

Coming to Death overs:

```
Strike Rates in Death Overs
+----+-------------+--------------+
|    | playerName  | strike_rate  |
|----+-------------+--------------|
|  0 | KL Rahul    |      194.606 |
|  1 | RR Pant     |      193.511 |
|  2 | SV Samson   |      189.172 |
|  3 | KD Karthik  |      181.545 |
|  4 | HH Pandya   |      172.169 |
|  5 | MS Dhoni    |      171.454 |
|  6 | SS Iyer     |      166.871 |
|  7 | RA Jadeja   |      166.398 |
|  8 | R Tewatia   |      161.977 |
|  9 | V Shankar   |      156.725 |
| 10 | KH Pandya   |      154.51  |
| 11 | AR Patel    |      153.817 |
| 12 | AT Rayudu   |      147.619 |
| 13 | R Parag     |      147.399 |
| 14 | MK Pandey   |      147.391 |
+----+-------------+--------------+
```
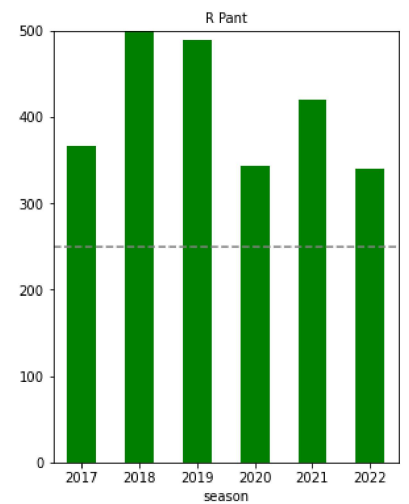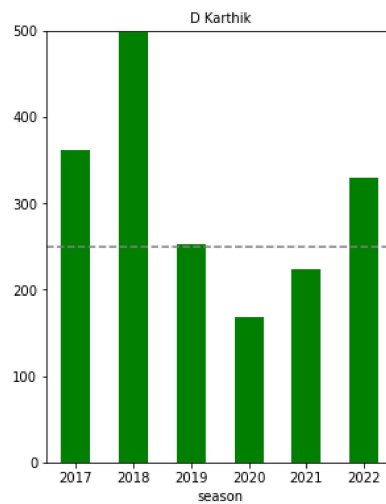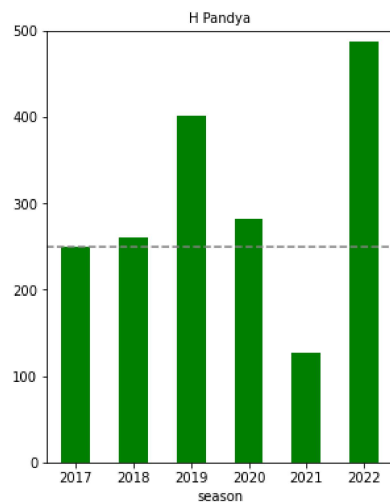

Final Top 6:

1. Ishan Kishan
2. KL Rahul
3. Sanju Samson
4. Shreyas Iyer
5. Hardik Pandya
6. Dinesh Karthik (wk)
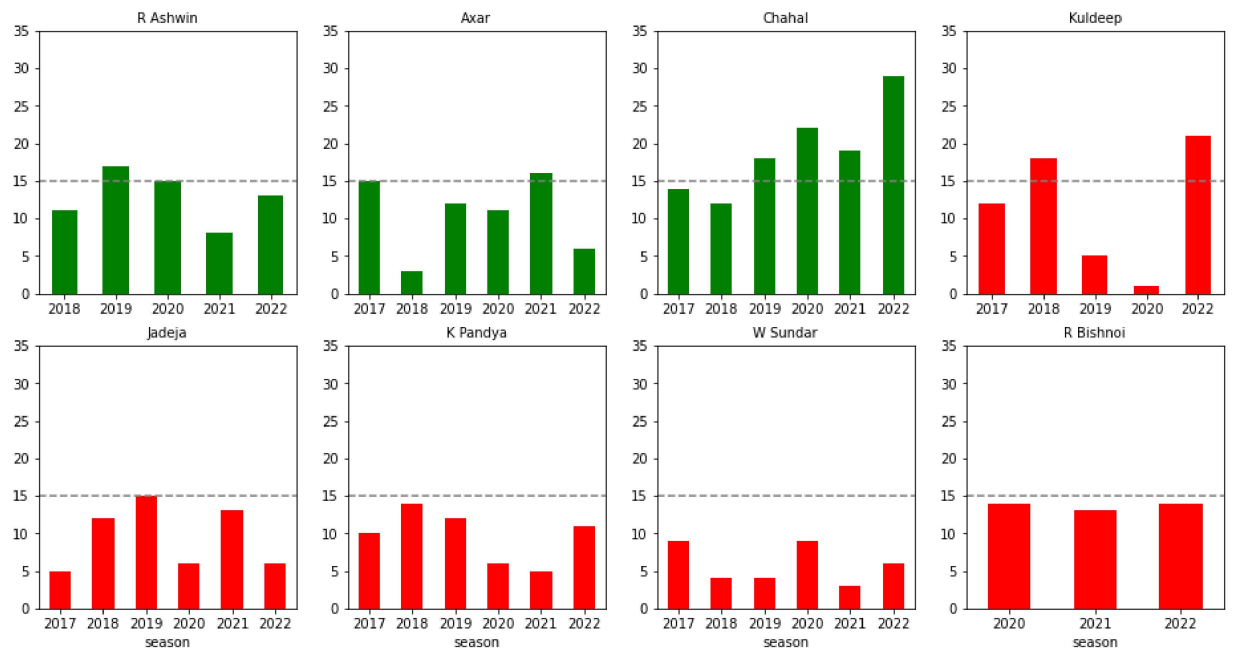
Lower Middle Order, Spin & Pace options:

Best bowling options in Powerplay - Spin
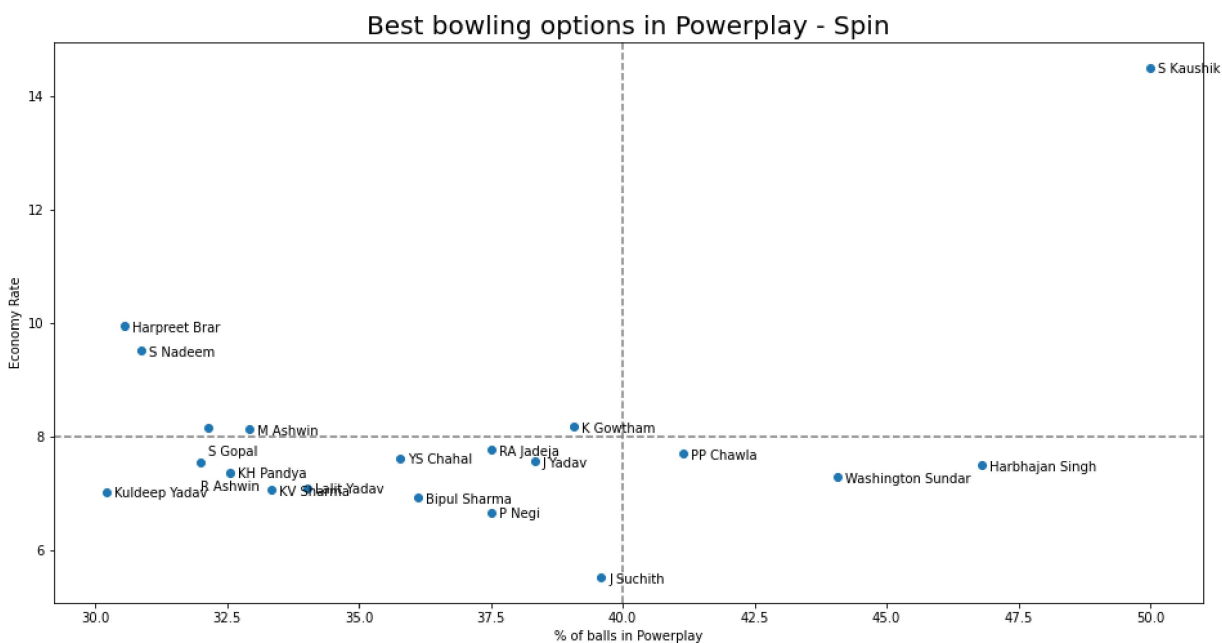
Question on Spinners bowling in Powerplay!

Clues

```
Most Wickets in Powerplay by Spinner
+----+--------------------+-----------+
|    | playerName         |   wickets |
|----+--------------------+-----------|
|  0 | R Ashwin           |        14 |
|  1 | KH Pandya          |        13 |
|  2 | Washington Sundar  |        12 |
|  3 | AR Patel           |        12 |
|  4 | Harbhajan Singh    |        12 |
|  5 | PP Chawla          |        11 |
|  6 | YS Chahal          |         9 |
|  7 | K Gowtham          |         8 |
|  8 | S Gopal            |         7 |
|  9 | CV Varun           |         6 |
+----+--------------------+-----------+
```

R Ashwin · Axar · Chahal · Kuldeep · Jadeja · K Pandya · W Sundar · R Bishnoi

Final Top 8:

1. Ishan Kishan
2. KL Rahul
3. Sanju Samson
4. Shreyas Iyer
5. Hardik Pandya
6. Dinesh Karthik (wk)
7. R Jadeja
8. Chahal

Tail

Best bowling options in Powerplay - Pace
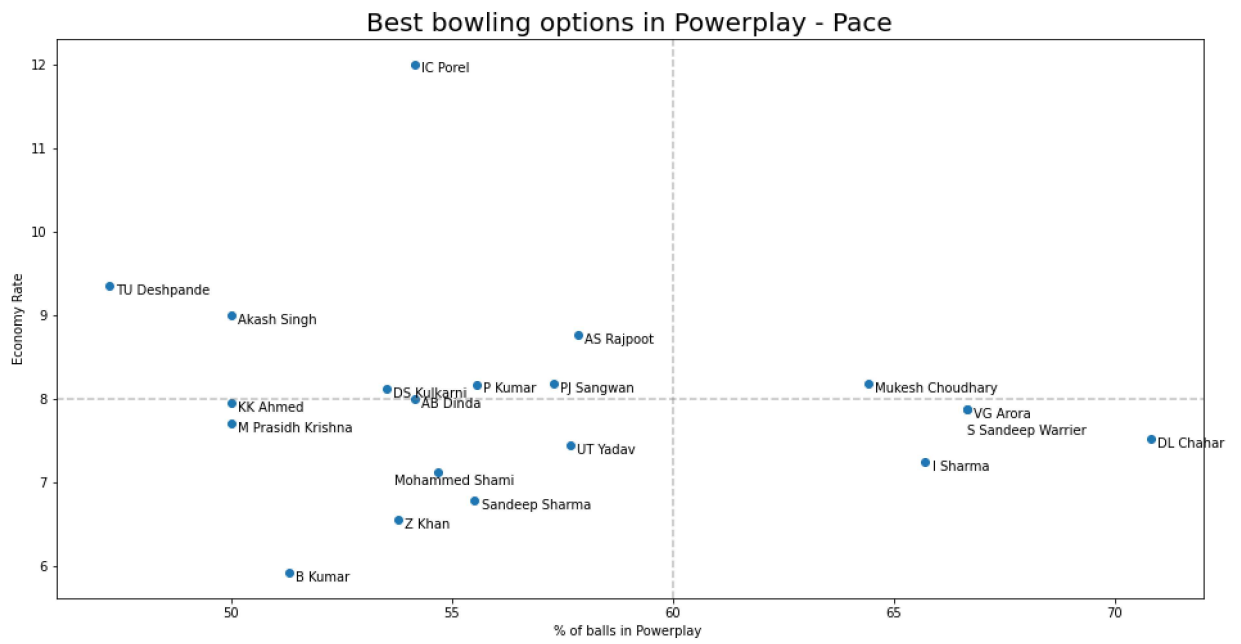
Most Wickets in Powerplay by Pacer

	playerName	wickets
0	DL Chahar	43
1	UT Yadav	33
2	Mohammed Shami	26
3	JJ Bumrah	25
4	Sandeep Sharma	24
5	B Kumar	21
6	SN Thakur	21
7	Mohammed Siraj	21
8	KK Ahmed	16
9	Avesh Khan	16

Best economic bowlers in the Death Overs


```
Wickets in Death Overs
+----+-------------------+-----------+
|    | playerName        |   wickets |
|----+-------------------+-----------|
|  0 | JJ Bumrah         |        60 |
|  1 | Mohammed Shami    |        44 |
|  2 | B Kumar           |        40 |
|  3 | JD Unadkat        |        34 |
|  4 | HV Patel          |        33 |
|  5 | SN Thakur         |        32 |
|  6 | S Kaul            |        24 |
|  7 | Mohammed Siraj    |        23 |
|  8 | M Prasidh Krishna |        20 |
|  9 | Arshdeep Singh    |        20 |
+----+-------------------+-----------+
```

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
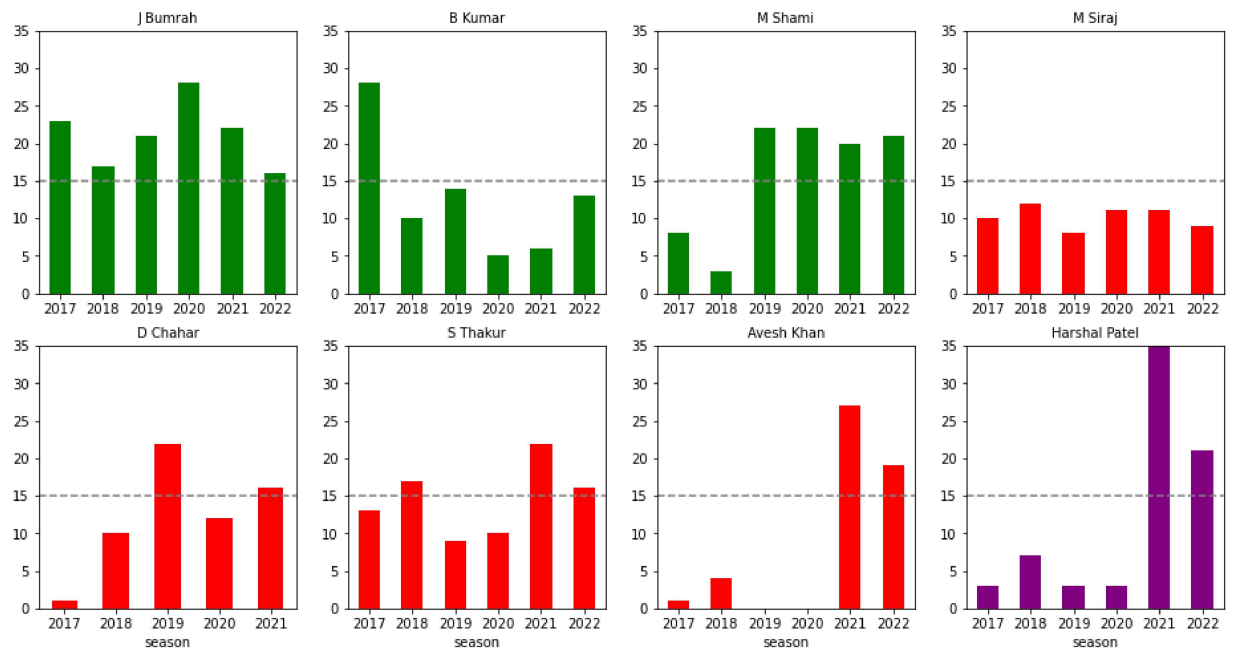
India's Best XI against England (T20I) :

1. Ishan Kishan
2. KL Rahul
3. Sanju Samson
4. Shreyas Iyer
5. Hardik Pandya
6. Dinesh Karthik (wk)
7. R Jadeja
8. Chahal
9. Harshal Patel
10. Bhuvaneshwar Kumar
11. Jasprit Bumrah

Others:

R Sharma, V Kohli, R Ashwin, R Pant, A Khan, Arshdeep

India's Traditional XI against England (T20I) :

1. Rohit Sharma
2. KL Rahul
3. Virat Kohli
4. Shreyas Iyer
5. Hardik Pandya
6. Dinesh Karthik (wk)
7. R Jadeja
8. Chahal
9. Harshal Patel
10. Bhuvaneshwar Kumar
11. Jasprit Bumrah