

Q.1 ---> FIND THE STADIUM WHERE THE MOST MATCH PLAYED (2008-2024)

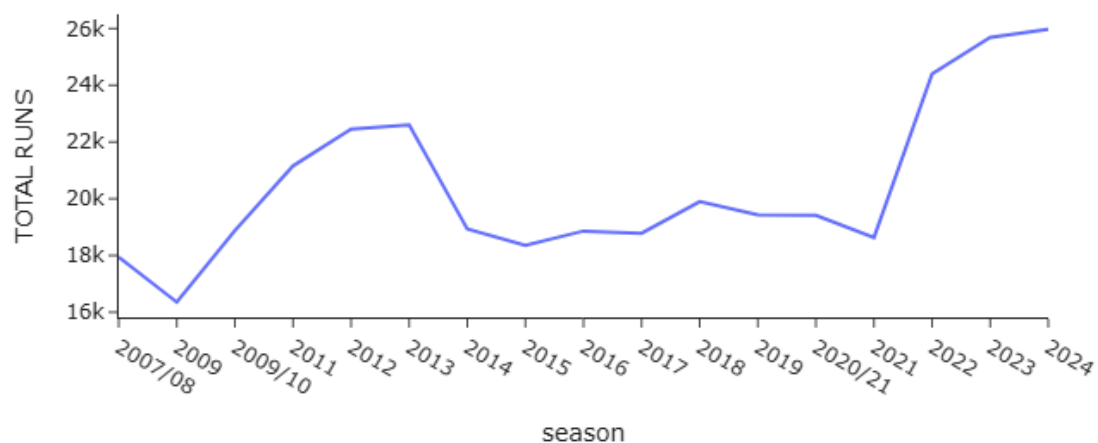
Out[727]:

	Stadium	Number of Matches
0	Wankhede Stadium	118
1	M Chinnaswamy Stadium	94
2	Eden Gardens	93
3	Arun Jaitley Stadium	90
4	MA Chidambaram Stadium	85
5	Rajiv Gandhi International Stadium	77
6	Punjab Cricket Association IS Bindra Stadium	61
7	Sawai Mansingh Stadium	57
8	Dubai International Cricket Stadium	46
9	Dr DY Patil Sports Academy	37
10	Maharashtra Cricket Association Stadium	35
11	Sheikh Zayed Stadium	29
12	Sharjah Cricket Stadium	28
13	Brabourne Stadium	27
14	Narendra Modi Stadium, Ahmedabad	24
15	Subrata Roy Sahara Stadium	16
16	Kingsmead	15
17	Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket Stadium	15
18	Bharat Ratna Shri Atal Bihari Vajpayee Ekana Cricket Stadium, Lucknow	14
19	Himachal Pradesh Cricket Association Stadium	13
20	SuperSport Park	12
21	Sardar Patel Stadium, Motera	12
22	Saurashtra Cricket Association Stadium	10
23	Holkar Cricket Stadium	9
24	New Wanderers Stadium	8
25	Zayed Cricket Stadium, Abu Dhabi	8
26	JSCA International Stadium Complex	7
27	Barabati Stadium	7
28	St George's Park	7
29	Newlands	7
30	Shaheed Veer Narayan Singh International Stadium	6
31	Nehru Stadium	5
32	Maharaja Yadavindra Singh International Cricket Stadium, Mullanpur	5
33	Green Park	4
34	Vidarbha Cricket Association Stadium, Jamtha	3
35	De Beers Diamond Oval	3
36	Buffalo Park	3
37	Barsapara Cricket Stadium, Guwahati	3
38	OUTsurance Oval	2

CONCLUSION - - -> *TILL NOW Wankhede Stadium HOLDS THE HIGHEST NUMBER OF MATCH PLAYED.*

Q.2 ---> TOTAL RUNS ACCROSS SEASON

TOTAL RUNS ACCROSS SEASON



CONCLUSION --> *DAY BY DAY THE RUNS BUBBLE IN IPL INCREASING.*

Q.3 ---> UMPIRE WITH MOST NUMBER OF UMPIRING.

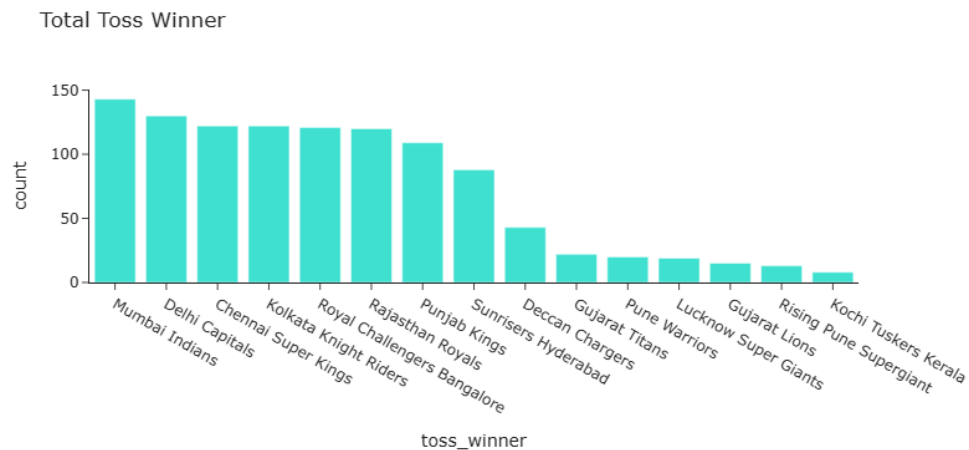
Out[543]:

	Name	Number of Matches
0	S Ravi	131
1	AK Chaudhary	131
2	Nitin Menon	104
3	HDPK Dharmasena	98
4	C Shamshuddin	88
5	CB Gaffaney	77
6	KN Ananthapadmanabhan	72
7	M Erasmus	67
8	VK Sharma	65
9	BNJ Oxenford	64
10	RJ Tucker	62
11	CK Nandan	59
12	VA Kulkarni	57
13	SJA Taufel	55
14	Asad Rauf	51
15	BR Doctrove	42
16	YC Barde	42
17	RE Koertzen	41
18	RK Illingworth	39
19	Aleem Dar	38
20	NJ Llong	37
21	BF Bowden	37
22	A Nand Kishore	37
23	AY Dandekar	32
24	UV Gandhe	31
25	SK Tarapore	31
26	S Asnani	30
27	RB Tiffin	30
28	PR Reiffel	28
29	DJ Harper	27
30	AM Saheba	26
31	J Madanagopal	26
32	R Pandit	22
33	MA Gough	21
34	K Hariharan	21

	Name	Number of Matches
35	Tapan Sharma	20
36	NA Patwardhan	20
37	Navdeep Singh	19
38	HAS Khalid	18
39	SS Hazare	17
40	BG Jerling	17
41	JD Cloete	17
42	PG Pathak	16
43	MV Saidharshan Kumar	15
44	S Das	15
45	K Srinath	15
46	IL Howell	14
47	Vinod Seshan	14
48	SL Shastri	14
49	A Totre	13
50	GR Sadashiv Iyer	12
51	A Deshmukh	12
52	MR Benson	12
53	K Srinivasan	9
54	SJ Davis	7
55	GAV Baxter	7
56	RM Deshpande	7
57	Chirra Ravikanthreddy	6
58	AL Hill	6
59	I Shivram	6
60	GA Pratapkumar	6
61	AV Jayaprakash	6
62	SD Fry	6
63	IJ Gould	6
64	N Pandit	6
65	TH Wijewardene	5
66	K Bharatan	3
67	AG Wharf	2
68	SD Ranade	2
69	Subroto Das	1

**CONCLUSION -- S RAVI AND AK CHAUDHARY HAS UMPAIRED
IN 131 MATCHES, FOLLOWED BY NIT IN MENON WHO HAS
UMPAIRED 104 MATCHES.**

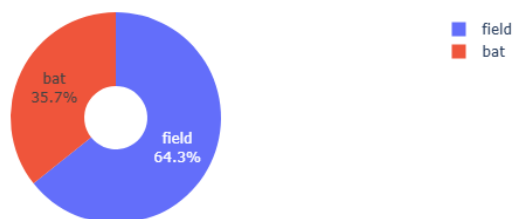
Q.3 --> MOST NUMBER OF TOSS WINNER IN THE IPL SEASON.



CONCLUSION --- Mumbai Indians HAS WON THE HIGHEST NUMBER OF TOSS (143) , FOLLOWED BY DELHI CAPITALS (130).

Q.4 --> Which decision was made after winning the toss.

Decision Made After Toss Winning



CONCLUSION --- ITS A TENDS TO CHOOSE FIELD FIRST AFTER WINNING THE TOSS.

Q.5 ---> VENUE WISE TOSS WIN MATCH WIN PERCENTAGE.

Out[562]:

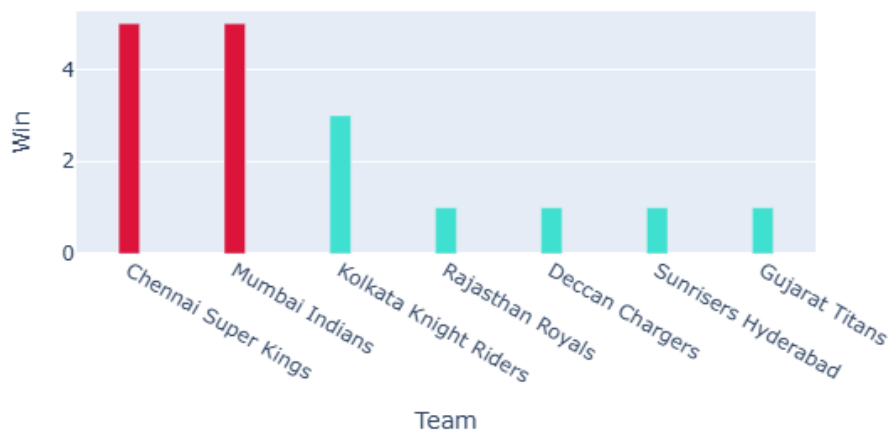
	venue	total_match	toss_winner_matches	toss_win_match_win_percentage
0	Wankhede Stadium	118	60	50.847458
1	M Chinnaswamy Stadium	94	42	44.680851
2	Eden Gardens	93	47	50.537634
3	Arun Jaitley Stadium	90	29	32.222222
4	MA Chidambaram Stadium	85	41	48.235294
5	Rajiv Gandhi International Stadium	77	21	27.272727
6	Punjab Cricket Association IS Bindra Stadium	61	15	24.590164
7	Sawai Mansingh Stadium	57	30	52.631579
8	Dubai International Cricket Stadium	46	17	36.956522
9	Dr DY Patil Sports Academy	37	19	51.351351
10	Maharashtra Cricket Association Stadium	35	19	54.285714
11	Sheikh Zayed Stadium	29	15	51.724138
12	Sharjah Cricket Stadium	28	14	50.000000
13	Brabourne Stadium	27	14	51.851852
14	Narendra Modi Stadium, Ahmedabad	24	11	45.833333
15	Subrata Roy Sahara Stadium	16	9	56.250000
16	Kingsmead	15	7	46.666667
17	Dr. Y.S. Rajasekhara Reddy ACA-VDCA Cricket Stadium	15	6	40.000000
18	Bharat Ratna Shri Atal Bihari Vajpayee Ekana Cricket Stadium, Lucknow	14	8	57.142857
19	Himachal Pradesh Cricket Association Stadium	13	3	23.076923
20	SuperSport Park	12	6	50.000000
21	Sardar Patel Stadium, Motera	12	4	33.333333
22	Saurashtra Cricket Association Stadium	10	3	30.000000
23	Holkar Cricket Stadium	9	4	44.444444
24	Zayed Cricket Stadium, Abu Dhabi	8	4	50.000000
25	New Wanderers Stadium	8	2	25.000000
26	Newlands	7	2	28.571429
27	St George's Park	7	3	42.857143
28	Barabati Stadium	7	5	71.428571
29	JSCA International Stadium Complex	7	4	57.142857
30	Shaheed Veer Narayan Singh International Stadium	6	2	33.333333
31	Nehru Stadium	5	1	20.000000
32	Maharaja Yadavindra Singh International Cricket Stadium, Mullanpur	5	2	40.000000
33	Green Park	4	3	75.000000
34	De Beers Diamond Oval	3	1	33.333333

34	De Beers Diamond Oval	3	1	33.333333
35	Vidarbha Cricket Association Stadium, Jamtha	3	1	33.333333
36	Barsapara Cricket Stadium, Guwahati	3	0	0.000000
37	Buffalo Park	3	2	66.666667
38	OUTsurance Oval	2	0	0.000000

Conclusion: From the data, we can clearly see that at Wankhede Stadium, a total of 118 matches were played, out of which 60 were won by teams that won the toss. This gives a toss-win match-win percentage of 50.84%, which is the highest. The second highest is at M. Chinnaswamy Stadium, with a toss-win match-win percentage of 44.68%.

Q.6 --> TEAM'S WON THE TOURNAMENT.

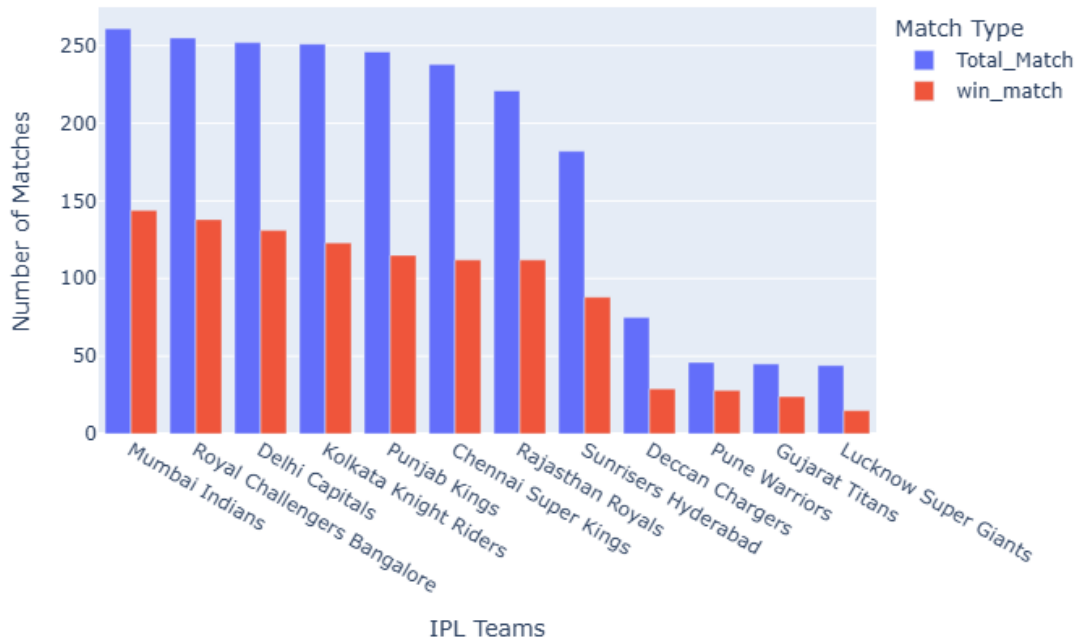
IPL Winning Teams



CONCLUSION --- Chennai Super Kings WON THE MOST TOURNAMENT TITLE 5 TIMES ALONG WITH THE Mumbai Indians, FOLLOWED BY Kolkata Knight Riders WITH 3 TROPHY.

Q.7 ---> FIND THE TOTAL MATCHS AND WIN MATCHES BY EACH TEAM.

TOTAL MATCHES VS WINS FOR EACH TEAM



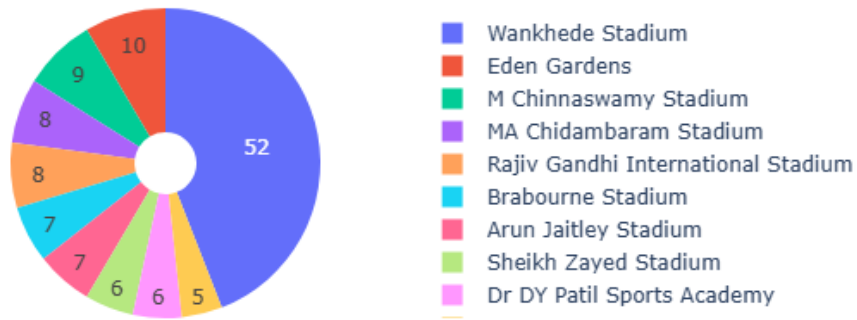
CONCLUSION --- Mumbai Indians PLAYED 261 MATCHES AND WON 144 MATCHES, Royal Challengers Bangalore PLAYED 255 MATCHES AND WON 138 MATCHES...Delhi Capitals(252) and Kolkata Knight Riders(251) both played 250+ matches.

Q.8 ---> LUCKY VENUE FOR A TEAM.

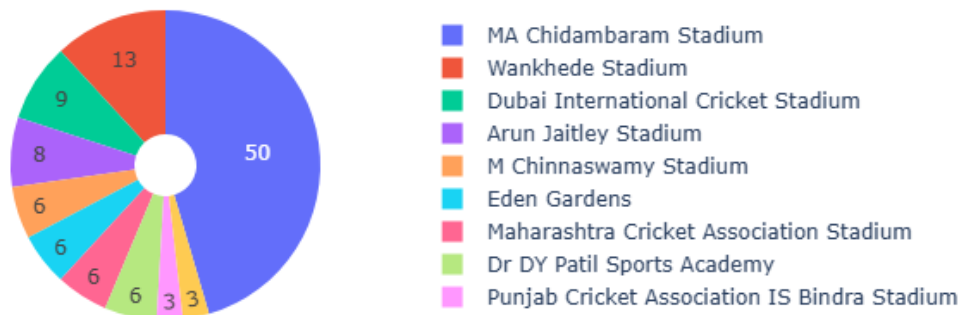
Lucky venue for RCB-



Lucky venue for Mumbai Indians-

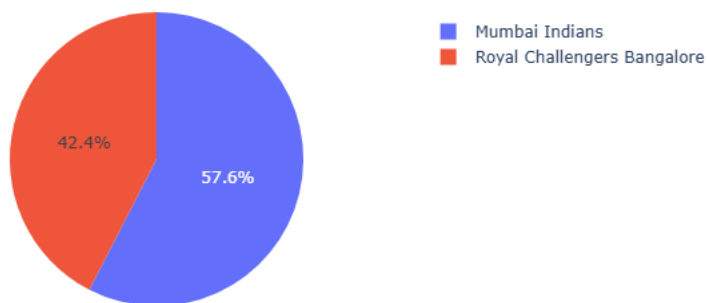
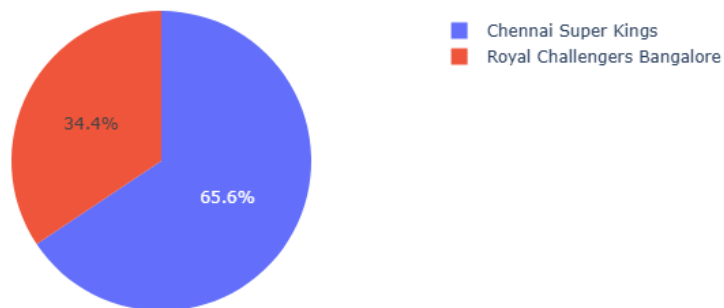
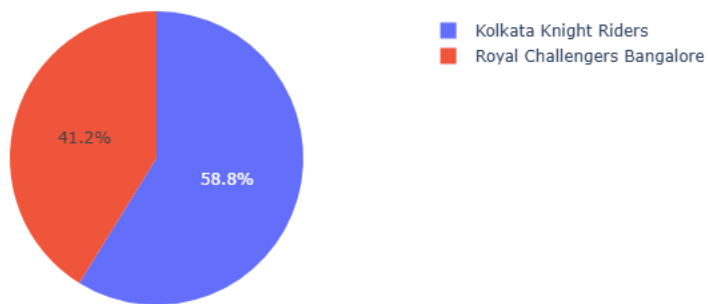


Lucky venue for Chennai Super Kings –



CONCLUSION --- FROM HERE WE CAN COLCLUDE THAT EACH TEAMS FAVOURITE VENUE IS THEIR HOME GROUND.

Q.9 ---> FIND OUT EACH TEAM FIGHT HEAD TO HEAD



Q.10 ---> TOP 5 PLAYERS WITH HIGHEST RUNS.

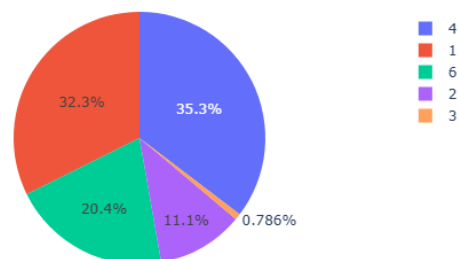
[615]:

	batter	batsman_runs
0	V Kohli	8014
1	S Dhawan	6769
2	RG Sharma	6630
3	DA Warner	6567
4	SK Raina	5536

KING KHOLI COMES WITH THE HIGHEST RUN SCORERS.

Q.11 ---> Individual player performance analysis: Here, I analyze Virat's performance.

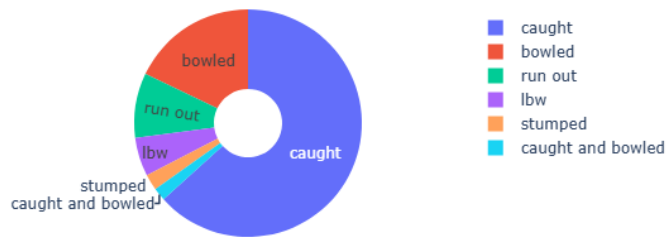
Q.11A --> KOHLI'S RUN ANALYSIS



VIRAT KOHLI RUN ANALYSIS HE SCORED scored 2591 by taking 1's (32.3%) , virat scored 890 by taking 2's(11.1%) ,HE scored 63 by taking 3's ,virat scored 2832 by hiting 4's (35.3%) AND scored 1638 by hiting 6's (20.4%),KING LOVES TO TAKE SINGLE ALSO HE LOVE TO HIT 4'S

Q.11B --> KHOLI'S DISMISSAL ANALYSIS

Virat dismissal in ipl



MOST OF THE TIME HE CAUGHT OUT (63.3%) FOLLOWED BY BOWLED OUT(17.9%).

Q.11C --> WHO TAKES KOHLI'S WICKET MOST OF THE TIME.

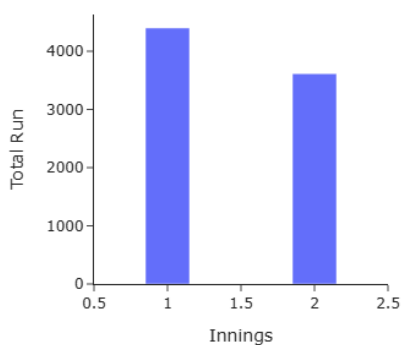
[730]:

	bowler	taken
0	Sandeep Sharma	7
1	A Nehra	6
2	RA Jadeja	5
3	UT Yadav	5
4	JJ Bumrah	5

7 TIMES Sandeep Sharma SEND HIM TO THE PAVILION ,FOLLOWED BY ASHISH NEHRA 6 TIMES.

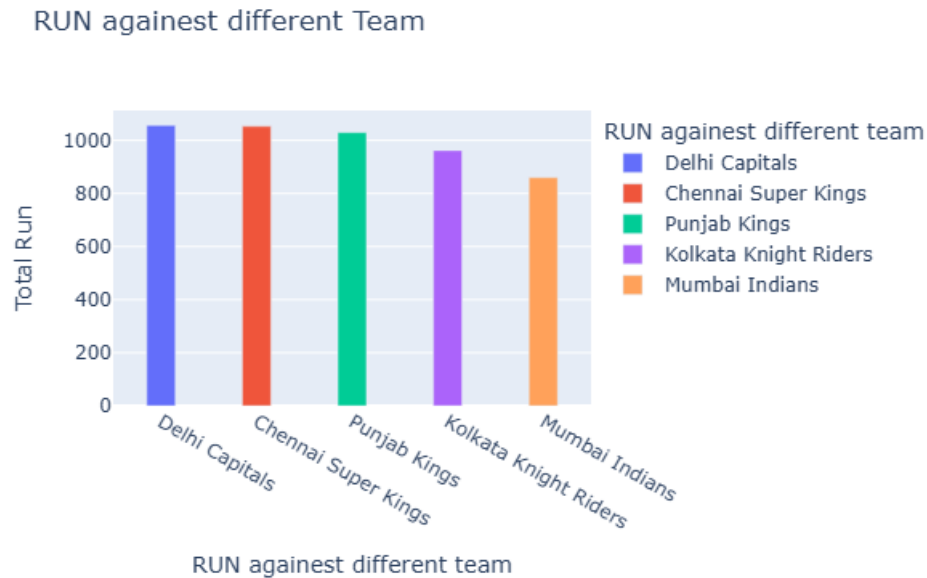
Q.11D --> KOHLI'S FIRST AND SEOCEND INNINGS COMPARISION.

1st vs 2nd innings



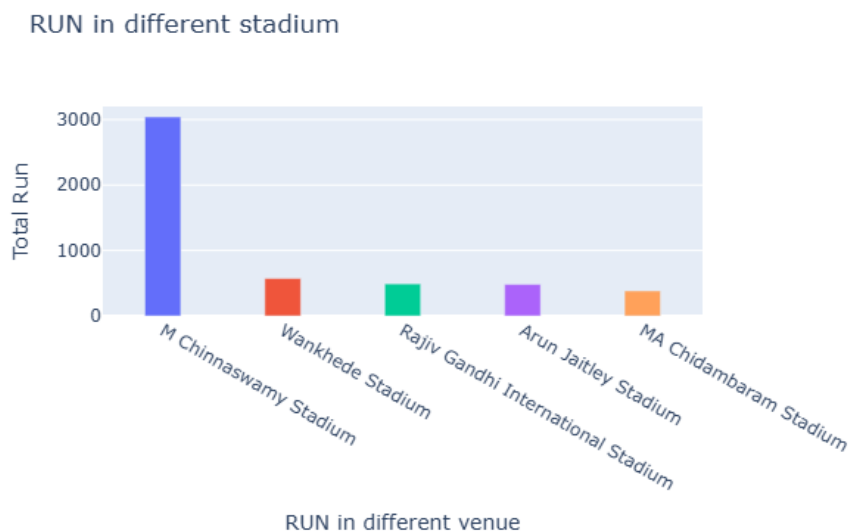
IN INNINGS 2 HE SCORED 3614 RUNS ALMOST HALF OF HIS ENTIRE RUN ,A ABSOLUTE CHASE MASTER.

Q.11E --> KOHLI'S RUNS AGAINST EACH TEAM



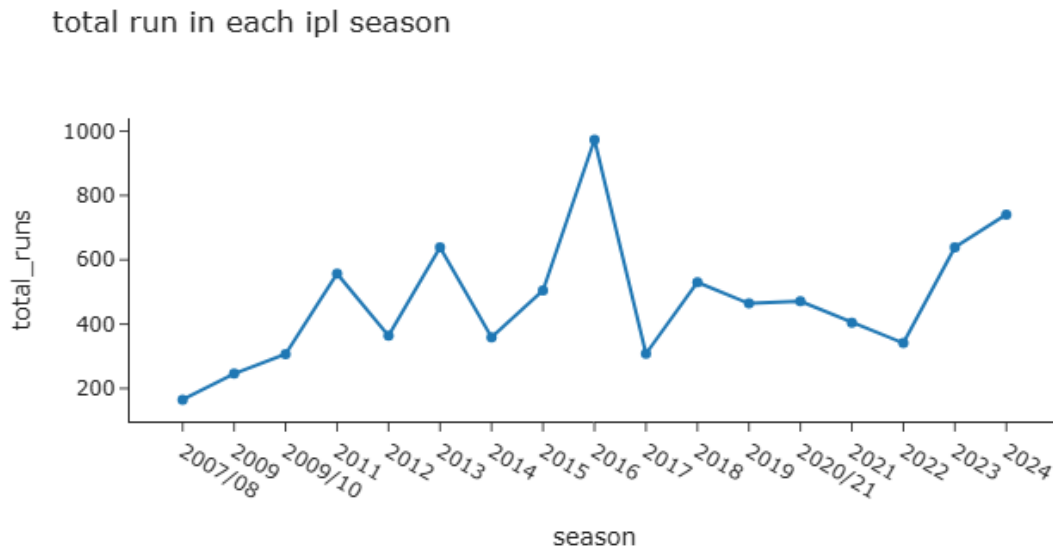
FROM THIS WE CAN SAY THAT HIS FAVOURITE OPPONENTS ARE Delhi Capitals (1057 RUNS) , Chennai Super Kings (1053 RUNS), Punjab Kings (1030 RUNS).

Q.11F --> HIS FAVOURITE VENUE.



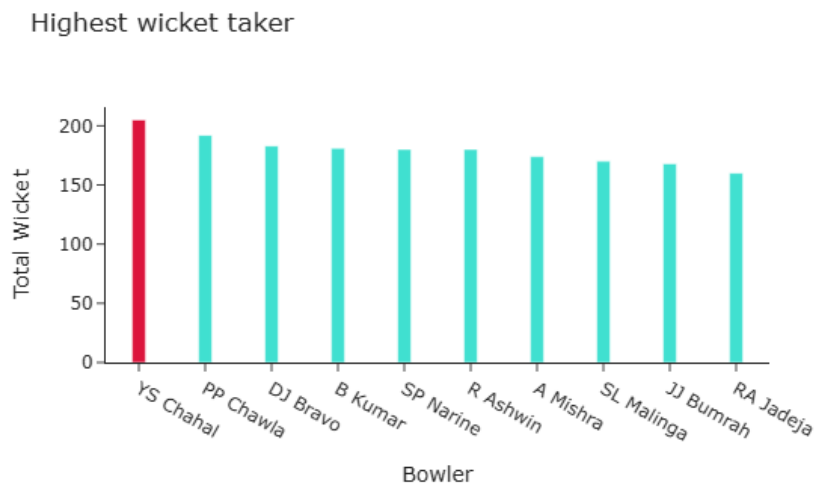
OF COURSE M Chinnaswamy Stadium WITH 3040 RUNS.

Q.11G --> KING'S RUNS BY EACH SEASON



CONCLUSION --- KING'S PICK YEAR WAS 2016 WITH 973 RECORD BRACKING RUN , AFTER THAT THERE WAS A DOWNFALL, BUT THEN THE LAST TWO YEARS HE CAME BACK SUPREMLY 2023 WITH 639 RUNS ,2024 WITH 741 RUNS, ORANGE CUP WINNER.

Q.12 ---> HIGHEST WICKET TAKER.



CONCLUSION --- YS Chahal HOLDS THE HIGHEST WICKET TAKER WITH 205 WICKET, FOLLOWED PP Chawla WITH 192 WICKET.

Q.13 ---> INDIVIDUAL BOWLER PERFORMANCE ANALYSIS . I CHOOSE YS Chahal.

DISMISSAL TYPE—

[650]:

	dismissal_kind	wicket
0	caught	127
1	bowled	36
2	stumped	20
3	lbw	18
4	caught and bowled	4

CONCLUSION --- MOST NUMBER OF TIME ,127 TIMES HE TOOK WICKET BY CAUGHT.

FAVOURITE VENUE—

	venue	wicket
0	M Chinnaswamy Stadium	52
1	Wankhede Stadium	20
2	Dubai International Cricket Stadium	19
3	Sawai Mansingh Stadium	15
4	Sharjah Cricket Stadium	12

chahla FAVOURITE VENUE IS M Chinnaswamy Stadium WHERE HE TOOK 52 WICKET ,FOLLOWED BY Wankhede Stadium 20 WICKET.

WHEN HE IS EFFECTIVE—

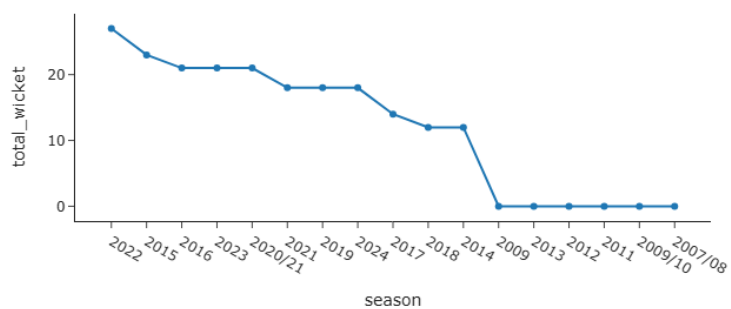
Out[656]:

	over	is_wicket
0	0	1
1	1	2
2	2	2
3	3	3
4	4	3
5	5	6
6	6	17
7	7	14
8	8	13
9	9	12
10	10	13
11	11	12
12	12	16
13	13	17
14	14	15
15	15	28
16	16	13
17	17	11
18	18	6
19	19	1

CONCLUSION --- chahal TOOK 28 WICKETS AT 15'TH OVER ,BETWEEN 6 TO 17 OVERS HE TOOKES MOST OF HIS WICKETS SO HE IS EFFECTIVE IN MIDDLE OVERS.

Chahal's WICKET PER SEASON—

total wicket in each ipl season



HE TOOK 27 WICKET IN 2022

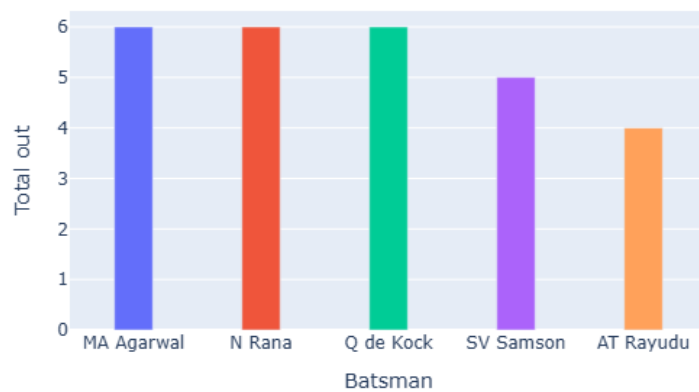
TOTAL RUNS VS TOTAL WICKET PER SEASON—

Out[665]:

	index	season	total_runs	total_wicket
0	16	2024	548	18
1	14	2022	536	27
2	15	2023	434	21
3	7	2015	416	23
4	12	2020/21	414	21
5	8	2016	409	21
6	11	2019	394	18
7	6	2014	389	12
8	13	2021	381	18
9	10	2018	374	12
10	9	2017	351	14
11	5	2013	35	0
12	1	2009	0	0
13	4	2012	0	0
14	3	2011	0	0
15	2	2009/10	0	0
16	0	2007/08	0	0

HIS FAVOURITE BATSMAN—

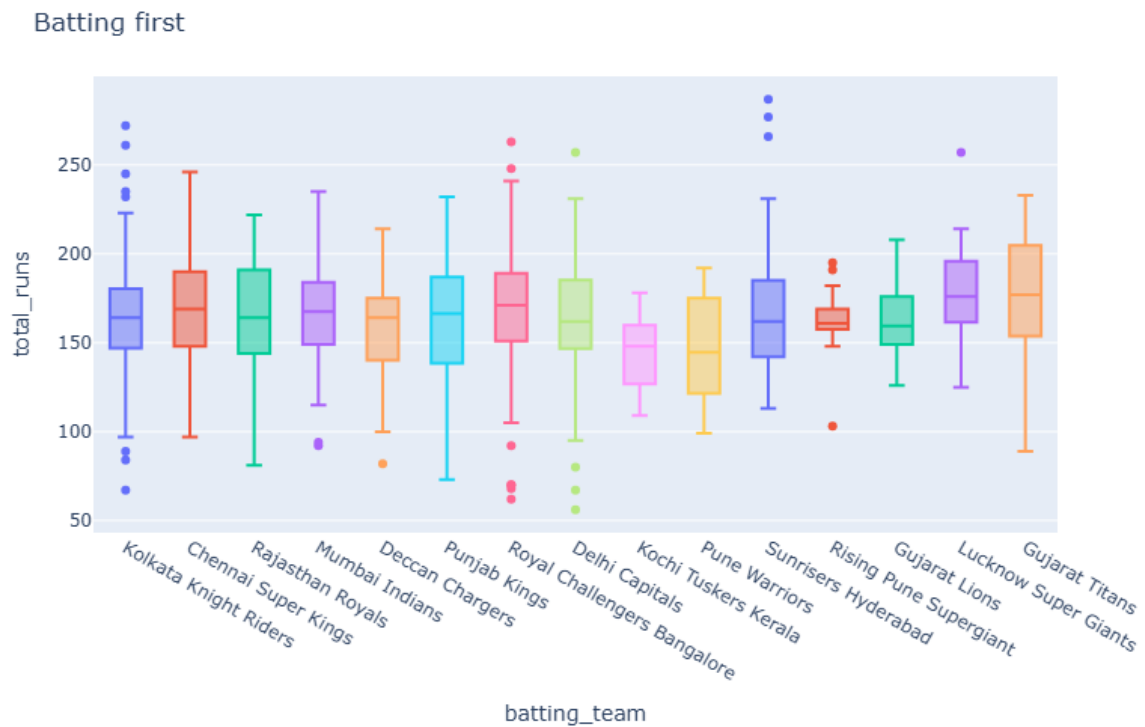
Chahal favourite batsman



MA Agarwal GOT OUT 6 TIMES ,FOLLOWED BY N Rana 6 TIMES BY CHahal

Q.14 INNINGS WISE RUN ANALYSIS BY TEAM.

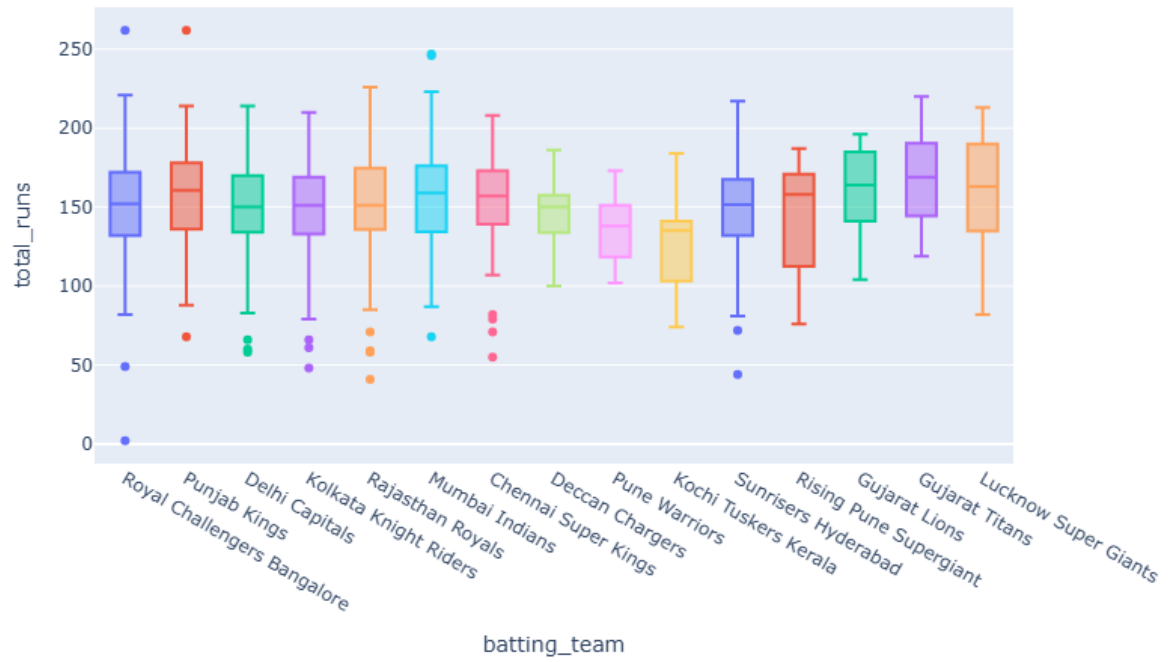
FIRST INNINGS



CONCLUSION --- WHILE BATTING FIRST RCB , KKR , DC , SRH , LSG HAD 250+ SCORED ALSO WHILE BATTING FIRST KKR , RCB , DC HAD SCORED LESS THAN 70 RUNS

SECOND INNINGS

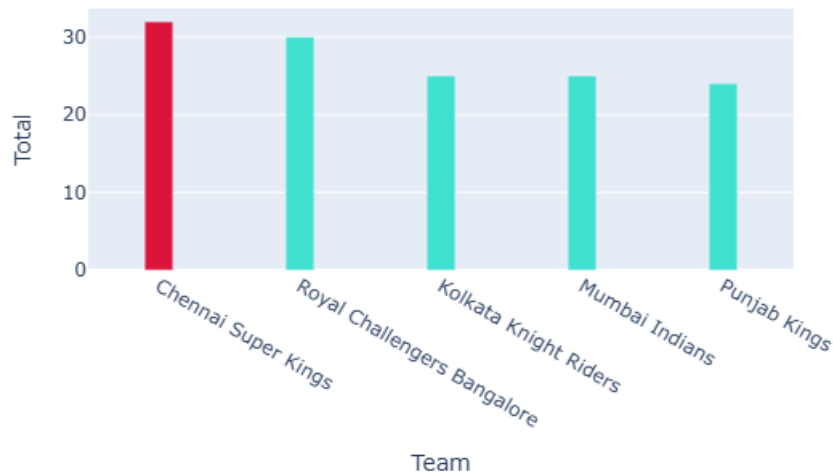
Batting Second



CONCLUSION --- WHILE BOWLING RCB , PBKS THEY BOTH GOT 250 + RUNS.

Q.16 MOST 200+ RUNS BY A BATTING TEAM AND BOWLING TEAM.

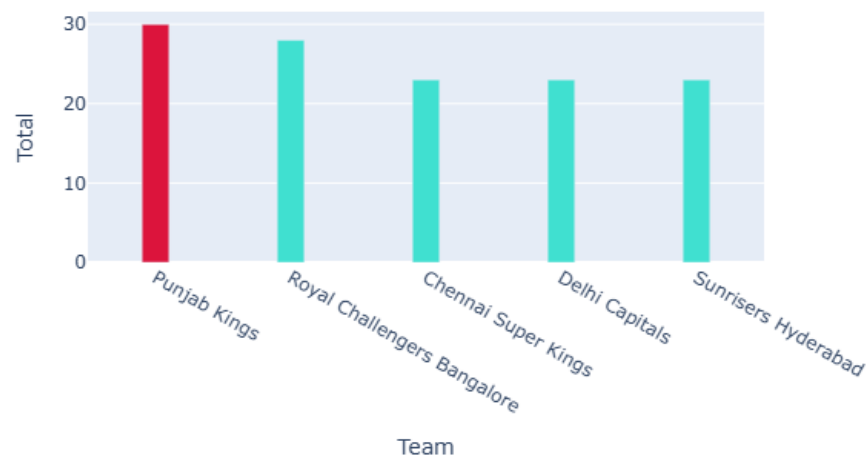
Most 200+ scores by a batting team



CONCLUSION -- CSK ACHIEVED MOST 200+ RUNS WHILE BATTING 32 TIMES FOLLOWED BY RCB 30 TIMES.

BOWLING TEAM

Most 200+ scores by a bowling team



CONCLUSION --- WHILE BOWLING PBKS HAD ACHIEVED 30 TIMES 200 + RUNS FOLLOWED BY RCB 28 TIMES

Q.17 WIN A MATCH WITH MAXIMUN RESULT MARGIN

CONCLUSION ---IN 2017 MI VS DC ,MI WON BY A HUGE MARGIN BY 146 RUNS

Q.18 TEAMS WITH MORE THAN 100+ RESULT MARGIN.

[684]:	index	winner	loss_side	result_margin
0	0	Kolkata Knight Riders	Royal Challengers Bangalore	140.0
1	55	Rajasthan Royals	Delhi Capitals	105.0
2	236	Punjab Kings	Royal Challengers Bangalore	111.0
3	352	Royal Challengers Bangalore	Pune Warriors	130.0
4	496	Royal Challengers Bangalore	Punjab Kings	138.0
5	560	Royal Challengers Bangalore	Gujarat Lions	144.0
6	620	Mumbai Indians	Delhi Capitals	146.0
7	676	Mumbai Indians	Kolkata Knight Riders	102.0
8	706	Sunrisers Hyderabad	Royal Challengers Bangalore	118.0
9	1009	Royal Challengers Bangalore	Rajasthan Royals	112.0
10	1039	Kolkata Knight Riders	Delhi Capitals	106.0

CONCLUSION -- RCB WIN 4 TIMES WITH 100+ RUNS ALSO LOSS 3 TIME WITH 100+

Q.19 BATSMAN WITH MOST NUMBER OF BALL PLAYED

[686]:

	batter	ball
0	V Kohli	6236
1	S Dhawan	5483
2	RG Sharma	5183
3	DA Warner	4849
4	SK Raina	4177
5	MS Dhoni	3947
6	RV Uthappa	3927
7	AM Rahane	3858
8	KD Karthik	3687
9	KL Rahul	3578

CONCLUSION --- CLEARLY KING KOHLI PLAYED MOST BALLS 6326 BALLS, FOLLOWED BY S Dhawan 5483 BALLS, RG Sharma 5183 BALLS

Q.20 MOST NUMBER OF 6'S

[687]:

	batter	6s
0	CH Gayle	359
1	RG Sharma	281
2	V Kohli	273
3	AB de Villiers	253
4	MS Dhoni	252
5	DA Warner	236
6	KA Pollard	224
7	AD Russell	209
8	SV Samson	206
9	SK Raina	204

CONCLUSION -- UNIVERSE BOSS CONQUER WITH 359 SIXS, RG Sharma 281 SIXS, FOLLOWED BY KOHLI 273 SIXS

Q.21 MOST NUMBER OF 4'S.

[688]:

	batter	4s
0	S Dhawan	768
1	V Kohli	708
2	DA Warner	663
3	RG Sharma	599
4	SK Raina	506
5	G Gambhir	492
6	RV Uthappa	481
7	AM Rahane	479
8	KD Karthik	466
9	F du Plessis	422

CONCLUSION S Dhawan HITS 768,V Kohli 708 AND FOLLOWED BY DA Warner 663 FOURS

Q.22 WICKET KEEPER WITH MOST NUMBER OF STUMPED

[694]:

	fielder	dismissal_kind	count
0	MS Dhoni	stumped	42
1	KD Karthik	stumped	37
2	RV Uthappa	stumped	32
3	WP Saha	stumped	26
4	RR Pant	stumped	23
5	PA Patel	stumped	16
6	Q de Kock	stumped	16
7	AC Gilchrist	stumped	16
8	SV Samson	stumped	16
9	NV Ojha	stumped	10

CONCLUSION -- MS Dhoni stumped 42 ,FOLLOWED BY KD Karthik stumped 37,AND RV Uthappa stumped 32 ALL THREE INDIAN.

Q.23 HIGHEST STRIKE RATE DURING DEATH OVER

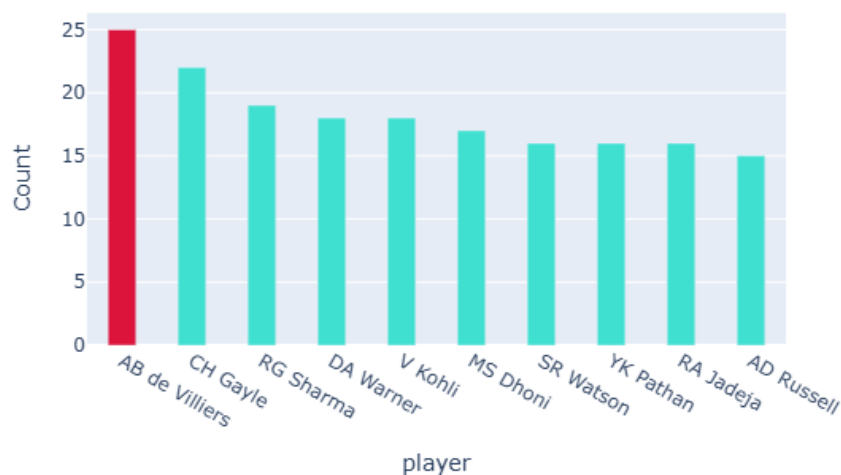
[700]:

	batter	total_runs	ball_face	strike_rate
0	AB de Villiers	1421	607	234.102142
1	RR Pant	626	302	207.284768
2	AD Russell	1065	521	204.414587
3	V Kohli	1099	545	201.651376
4	SO Hetmyer	680	342	198.830409
5	RG Sharma	1176	598	196.655518
6	SV Samson	547	280	195.357143
7	SA Yadav	516	269	191.821561
8	MS Dhoni	2786	1467	189.911384
9	KD Karthik	1565	834	187.649880

conclusion --- AB de Villiers with 1421 runs 607 ball played and 234.10 STRIKE RATE HOLD THE RECORD ,WHILE DHONI DURING DEATH OVER SCORED 2786 RUNS.

Q.24 MOST MOM PLAYER

Most Man Of The Match Award



CONCLUSION --- AB de Villiers WITH 25,CH Gayle WITH 22,FOLLOWED BY RG Sharma WITH 19 MOM AWARD ARE THE TOP THREE

Q.25 BEST RUN RATE DURING POWER PLAY AND DEATH OVER (2024)

DURING POWER PLAY

[715]:

	total_runs	ActualBall_Face	RR
batting_team			
Sunrisers Hyderabad	1073	576	11.180000
Kolkata Knight Riders	930	505	11.050000
Delhi Capitals	897	505	10.660000
Royal Challengers Bangalore	876	540	9.730000
Mumbai Indians	789	505	9.370000
Punjab Kings	743	504	8.850000
Chennai Super Kings	733	504	8.730000
Rajasthan Royals	773	540	8.590000
Lucknow Super Giants	695	504	8.270000
Gujarat Titans	556	433	7.700000

CONCLUSION --- SRH , KKR , DC BOTH THE TEAM HAVE 10+ RUN RATE DURING POWER PLAY

DURING DEATH OVER

[726]:

	total_runs	ActualBall_Face	RR
batting_team			
Kolkata Knight Riders	432	200	12.960000
Chennai Super Kings	608	304	12.000000
Royal Challengers Bangalore	611	306	11.980000
Mumbai Indians	514	265	11.640000
Delhi Capitals	523	275	11.410000
Sunrisers Hyderabad	615	325	11.350000
Gujarat Titans	465	253	11.030000
Punjab Kings	514	280	11.010000
Rajasthan Royals	560	310	10.840000
Lucknow Super Giants	531	300	10.620000

KKR HAVE A RUN RATE ABOUT 13 DURING DEATH OVER WHERE SRH SCORED 615 RUN WITH A 11.13 RUN RATE DURING DEATH OVER

