AYUSH SRIVASTAVA

TASK - #5 EXPLORATORY DATA ANALYSIS - SPORTS

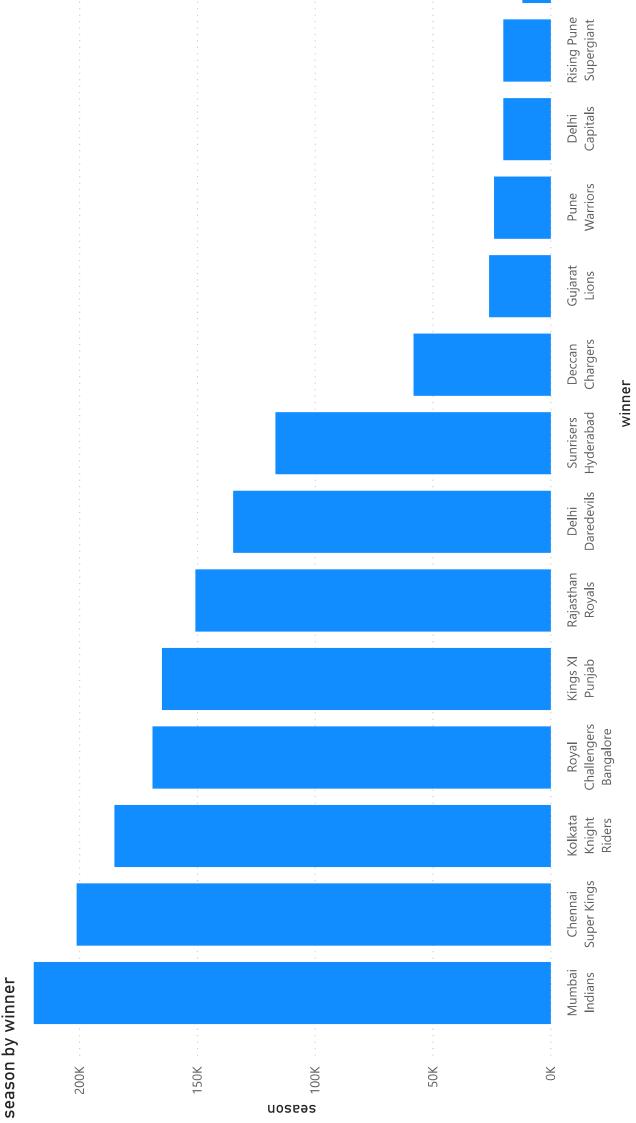
The Sparks Foundation

266K

inning

2351

total_runs



Top segments Key influencers

What influences toss_winner to be

When...

Chennai Super Kings

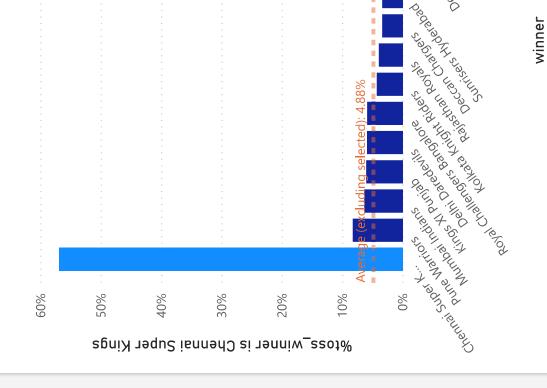
 \sim \rangle

toss_winner being Chennai Super Kings increases bythe likelihood of

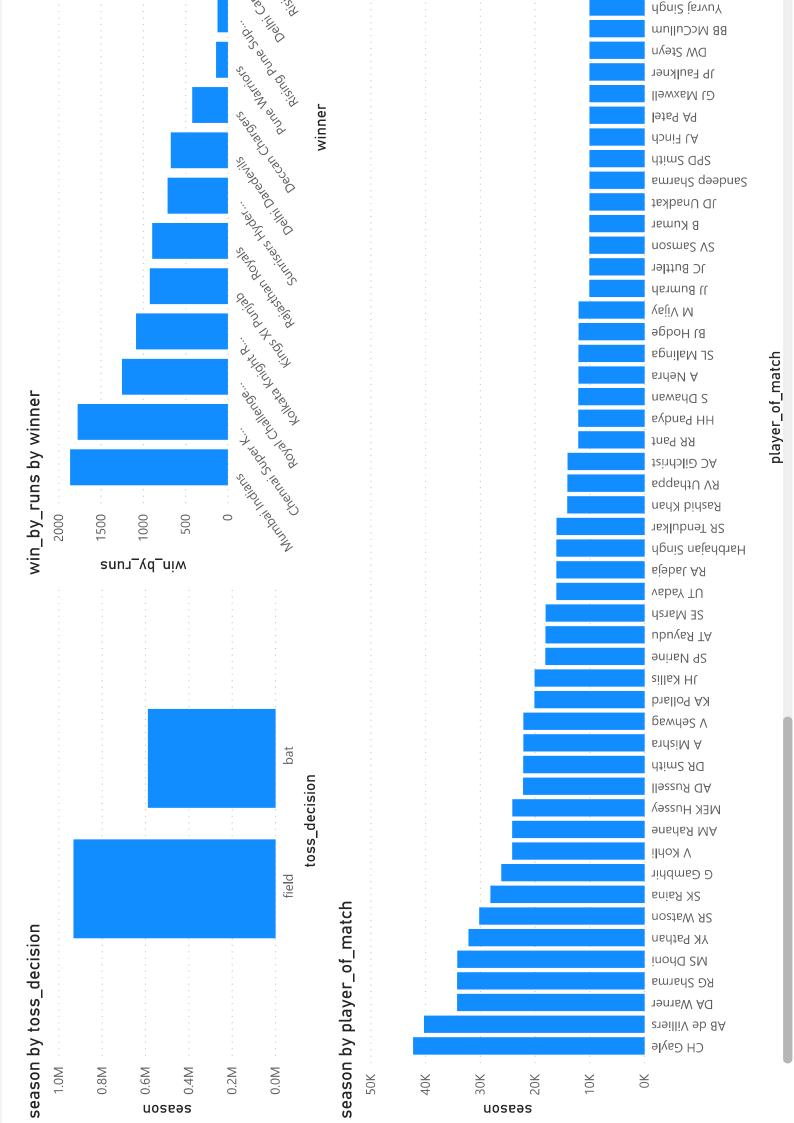
11.69x

winner is Chennai Super Kings

 \leftarrow toss_winner is more likely to be Chennai Super Kings when $^{\circ}$ otherwise (on average).



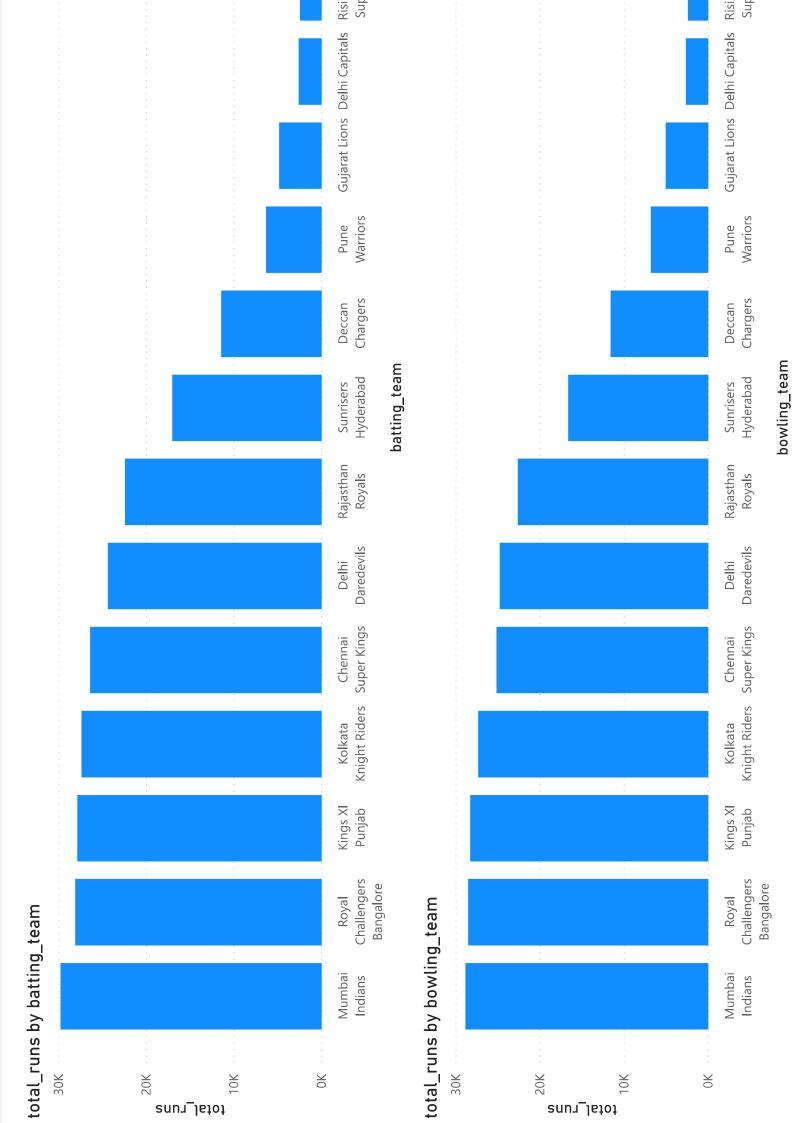
Only show values that are influencers

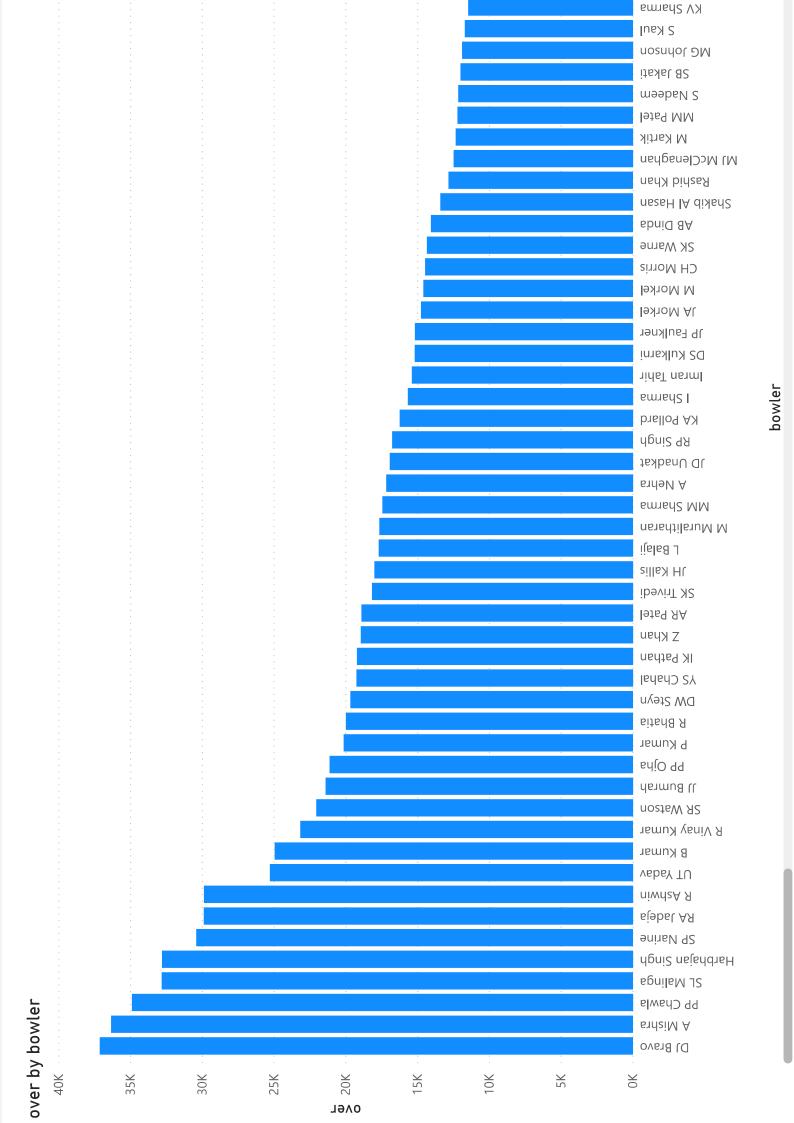




V Kohli	DA Warner	MK Pandey	KA Pollard	DPMD J AC	AC Gilch MK Tiw	F du Ple	KL Rahul	WP Saha	DA Mille
		PA Patel	SE Marsh						
SK Raina	CH Gayle			AJ Finch	Q de TM Di	MA A	JC Bu IK Pa	'a KS W	. CA L.
			R Dravid	SC Ganguly				ı	
		YK Pathan			LMP Sim	MS KP P	JA EJG	STR	AS
RG Sharma	AM Rahane		V Sehwag	S Badrinath	MI Havden				
		Yuvraj Singh				AM Na BA Sto	.: ::	C D	М А
S Dhawan	AB de Villiers		DR Smith	Mandeep Sin	LRPL Taylor	TL Sum SP Na	 G	: Z	
					HH Gibbs	CJ An			
		JH Kallis	JP Duminy			AD Ma PC Val	SN	LA	
G Gambhir	KD Karthik			KK Nair	N Rana	ST Jaya	JR H	В С	
		BB McCullum	SV Samson		M Vohra	RA Trip	R Bh	SW	
				BJ Hodge			'''' J Bai	5 ×	Ţ
RV Uthappa	2004-0/V DD		RA Jadeja		CL White	PP Cha DJ Ho		: E	
	SK Walsoll	M Vijay		SS Tiwary		Ishan K		D	
			SPD Smith		MC Henri	V Sha	AP T	Z	
			- - - - - - - - - - - - - - - - - - -	RR Pant		GJ Bailey HM A	:: Z }	XS	
MS Dhoni	AT Rayudu	SR Tendulkar			spilolilyo	M Man	KV S	. AA	
			MEK Hussey	DJ Hussey	HH Pandya	SA Yad IP Earl		R S	
							VVS	MD	

batsman_runs by batsman	man								
V Kohli	MS Dhoni	AT Rayudu	M Vijay	JP Duminy KL	KL Rahul MEK Hu	Hu RA Jadeja	eja DA Miller		F du Ple DPN
SK Raina	. RV Uthappa	YK Pathan	SE Marsh	SS lyer	JC Butt GJ	GJ Ma BJ Hod	od SC Ga	DJ Hu	KS Wil.
		BB McCullum	JH Kallis	MK Tiwary	IK Pathan	Y Venug	AR SP	WS	. RA S
RG Sharma	Ab de Villers		DR Smith	KC Sangakkara	HH Pandya	JA Morkel	AM GJ.	BA	P S SA.
	G Gambhir	רמופן מופן	SR Tendulkar	NV Ojha	ML Hayden	A Symon	RS Bo D	DT C	
DA Warner		MK Pandey		Mandeep Singh	N Rana	CL White	JP Fa G	Gurk	:: Z
	AM Rahane	KA Pollard	SV Samson	DJ Bravo	KM Jadhav	MC Henr	CH M S Gill	NLTC KI	Κ
S Dhawan	KD Karthik	Yuvrai Singh	R Dravid	Q de Kock KK Nair	LRPL Taylor	HH Gibbs	M Ma S OA S	SN K M	M Ali DB
alven H			AC Gilchrist	AD Russell	M Vohra	STR Binny		LR S SP	
	SR Watson	V Sehwag	SPD Smith	S Badrinath	AS Yadav KP Pietersen	EJG Mor Harbhaja	J Bair NE Lewis C	AL UB MV DJ CA P Y N.	

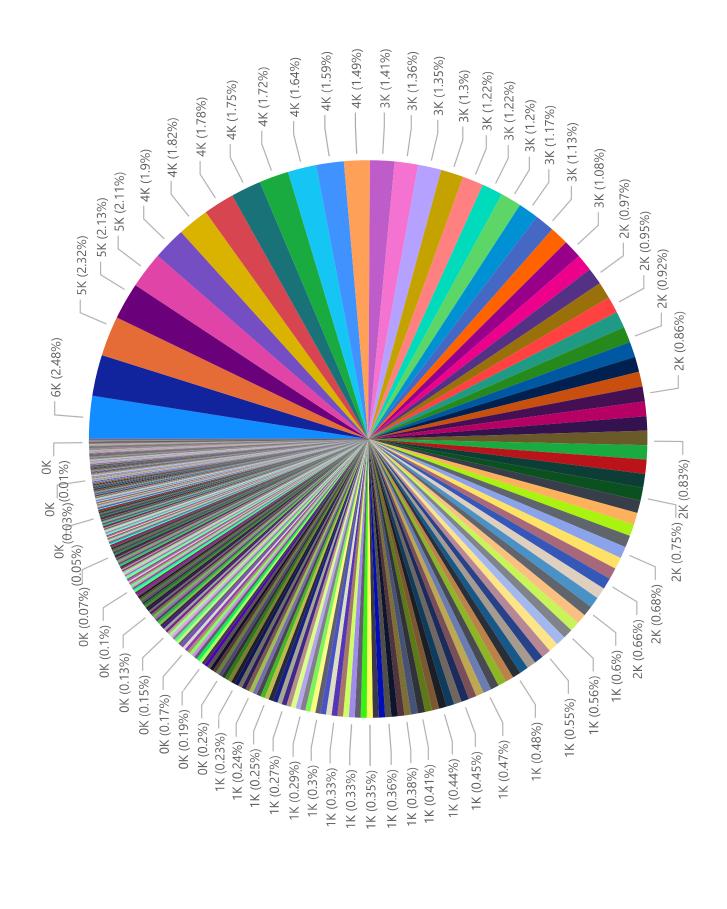


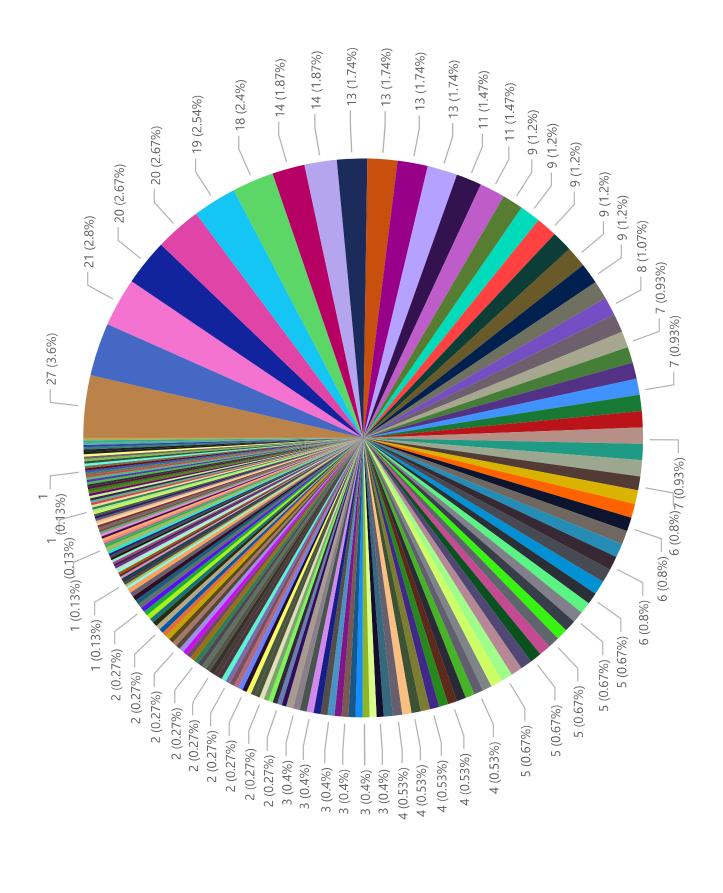


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inning by batsman										
V Kohli	DA Warner	SR Watson	SR Tendulkar	DРМD Јауаwa	NV Ojha KC	KC San SC Gan	an WP Sa		Mand	
			R Dravid	AC GIIChrist			ł		i	
cuica No	AM Rahane	JH Kallis			Q de Kock	G M	KM J	Y Ve HH		KP Pi
SN Nailla				JP Duminy						_
			KA Pollard							
		MK Pandey				EJG GC	A Sy	SIR	:: 	: H —
	MS Dhoni			KL Rahul	DJ Hussey					
G Gambhir			V Sehwag			Harbhaj	SA Yad	J B	CA S	H
		PA Patel		F du Plessis			R∆ Cto			
	CH Gayle		SE Marsh		MA Agarwal	KH Pand	Ishan	_;		
RG Sharma		YK Pathan		MEK Hussey		АО Мат	-	E Le		
			SV Samson		JC Buttler	AM Nayar	JD Ryder	R Vi	۳ ح	
	AB de Villiers			MK Tiwary	IK Pathan	RA Tripa	DJ Ho	R Bh	DJ	
RV Uthappa		Yuvraj Singh	DR Smith			Shakib	P Shaw	KV S	M	
	KD Karthik			DA Miller	CA Lynn	ST Jayas	RS Bop	Azh	.: Y .: :-	
		BB McCullum	SPD Smith	 	LRPL Taylor	GJ Bailey	A Mish		Μ .:.	Н
S Dhawan	AT Ravindii				KS Williams	SP Narine	JP Faul	:: NS	П	ď
		M Vijay	RA Jadeja	SS lyer	ı	PP Cha	CJ And	Z X	П	
					N Rana	M Manh	V Shan	AP T		

inning by bowler											
Harbhajan Singh	P Kumar	SR Watson	AR Patel	AB Dinda	KV Sha Ra	Rashid SK \	SK War S N	S Nad	YK Pat	Moha	SK Ra.
A Mishra	RA Jadeja	PP Ojha	DS Kulkarni	MM Patel	KH Pandya	HV P	B Lee PJ :	PJ Sa AD	TA B	3 Kuld	d
	SP Narine	IK Pathan	M Muralitharan	MJ McClenag	MS Gony	P Awana	PV	KK ST	<u> </u>	Az	SW
R Ashwin		A Nehra	JH Kallis	Shakib Al Has	R Sharma	NLTC Per	A Singh	<u>Σ</u>	Ba Bi	An	B
	UT Yadav		Sandeep Sharma	KA Pollard	TG Southee	SN Thakur	DR Sm	RG S	B		
PP Chawla		JA Morkel		MG Johnson	HH Pandya	JP Duminy	A Sym	K Go	A As		
	DW Steyn	VS Chahal	L Balaji	M Kartik	A Kumble	DE Bollin	IC Pan	CR .:.		JT	
SL Malinga			R Bhatia		S Sreesanth	DL Chahar	GB Ho	JR H	Jogi A Mi	, : I	AB
	Z Khan	JJ Bumrah	SK Trivedi	CH Morris	DT Christian	DP Nann	M Ash	WPU	AD	TM:	Mo
B Kumar	R Vinay Kumar	MM Sharma	M Morkel	Imran Tahir SB Jakati	VR Aaron	WD Parn	AS Raj RE van	ST Ja	CR B		CO Kar
DJ Bravo	l Sharma	RP Singh	JD Unadkat	JP Faulkner	AB Agarkar Yuvraj Singh	S Gopal BA Stokes	GJ Max P Krish RR Po	Was N Sai R Ra		S C S C	SE





Top segments Key influencers

What influences bowler to be

When...

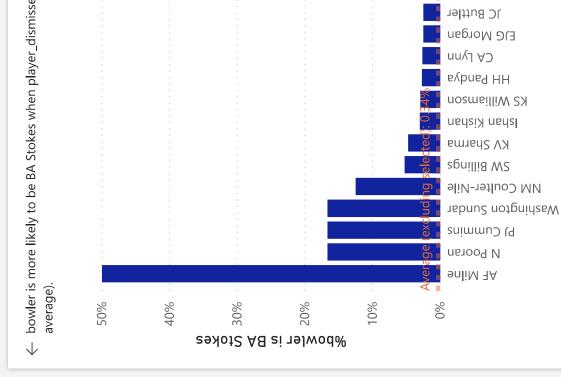
BA Stokes

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player_dismissed is DA Warner

being BA Stokes increasesthe likelihood of bowler



player_dismiss

Only show values that are influencers

umpire1	umpire2	umpire3	venue	winner	player_of_match	season
			ACA-VDCA Stadium	Delhi Capitals	RR Pant	2019
			M Chinnaswamy Stadium	Royal Challengers Bangalore	KM Jadhav	2017
A Deshmukh	A Nand Kishore		Wankhede Stadium	Kings XI Punjab	WP Saha	2017
A Deshmukh	NJ Llong		Eden Gardens	Kolkata Knight Riders	SP Narine	2017
A Deshmukh	NJ Llong		Rajiv Gandhi International Stadium, Uppal	Sunrisers Hyderabad	Rashid Khan	2017
A Nand Kishore	BNJ Oxenford		Eden Gardens	Kolkata Knight Riders	YK Pathan	2016
A Nand Kishore	BNJ Oxenford		Shaheed Veer Narayan Singh International Stadium	Delhi Daredevils	KK Nair	2016
A Nand Kishore	BNJ Oxenford		Shaheed Veer Narayan Singh International Stadium	Royal Challengers Bangalore	V Kohli	2016
A Nand Kishore	S Ravi		Eden Gardens	Mumbai Indians	AT Rayudu	2017
A Nand Kishore	S Ravi		Maharashtra Cricket Association Stadium	Rising Pune Supergiant	SPD Smith	2017
A Nand Kishore	S Ravi		Punjab Cricket Association IS Bindra Stadium, Mohali	Kings XI Punjab	MM Sharma	2017
A Nand Kishore	S Ravi		Saurashtra Cricket Association Stadium	Gujarat Lions	AJ Tye	2017
A Nand Kishore	S Ravi		Wankhede Stadium	Mumbai Indians	MJ McClenaghan	2017
A Nand Kishore	S Ravi		Wankhede Stadium	Mumbai Indians	N Rana	2017
A Nand Kishore	S Ravi		Wankhede Stadium	Rising Pune Supergiant	BA Stokes	2017
A Nand Kishore	VK Sharma		Punjab Cricket Association IS Bindra Stadium, Mohali	Gujarat Lions	DR Smith	2017
A Nanda Kishore	Anil Chaudhary	Chris Gaffaney	Eden Gardens	Sunrisers Hyderabad	B Stanlake	2018
AK Chaudhary	BNJ Oxenford		Wankhede Stadium	Mumbai Indians	DW Steyn	2012
AK Chaudhary	C Shamshuddin		Holkar Cricket Stadium	Kings XI Punjab	AR Patel	2017
AK Chaudhary	C Shamshuddin		Holkar Cricket Stadium	Kings XI Punjab	GJ Maxwell	2017
AK Chaudhary	C Shamshuddin		M Chinnaswamy Stadium	Gujarat Lions	AJ Tye	2017
AK Chaudhary	C Shamshuddin		Maharashtra Cricket Association Stadium	Royal Challengers Bangalore	AB de Villiers	2015
AK Chaudhary	CB Gaffaney		JSCA International Stadium Complex	Chennai Super Kings	A Nehra	2015
AK Chaudhary	CB Gaffaney		Saurashtra Cricket Association Stadium	Mumbai Indians	KH Pandya	2017
AK Chaudhary	CB Gaffaney		Wankhede Stadium	Mumbai Indians	RG Sharma	2017
AK Chaudhary	CK Nandan		Eden Gardens	Kolkata Knight Riders	RV Uthappa	2014
AK Chaudhary	CK Nandan		Green Park	Gujarat Lions	DR Smith	2016
AK Chaudhary	CK Nandan		Green Park	Gujarat Lions	SK Raina	2016
AK Chaudhary	CK Nandan		Rajiv Gandhi International Stadium, Uppal	Kolkata Knight Riders	G Gambhir	2016
AK Chaudhary	CK Nandan		Rajiv Gandhi International Stadium, Uppal	Sunrisers Hyderabad	Mustafizur Rahman	2016
AK Chaudhary	CK Nandan		Wankhede Stadium	Mumbai Indians	RG Sharma	2016
Total	ום אממוי		-		= 0	1522164