	<ul> <li>1 2017 Hyderab</li> <li>1 2 2017 Pu</li> <li>2 3 2017 Raji</li> <li>3 4 2017 Indo</li> </ul>	ne 2017- 04-06 xot 2017- 04-07  ore 2017- Ri 04-08 S	Sunrisers Hyderabad  Challengers Bangalore  Mumbai Indians  Rising Pune Supergiant  Kolkata Knight Riders  Sing Pune Supergiant  Kings XI Punjab	Royal Challengers Bangalore  Rising Pune Supergiant  Kolkata Knight Riders  Kings XI Punjab	field normal  field normal  field normal	O Sunrisers Hyderabad  Rising Pune Supergiant  Kolkata Knight Riders  Kings XI Punjab	0 0	0 Y	uvraj Singh  Ma SPD Smith A:  CA Lynn  A:	jiv Gandhi ternational Stadium, Uppal aharashtra Cricket association Stadium Saurashtra Cricket association Stadium Stadium Saurashtra Cricket association Stadium	AY Dandekar  A Nand Kishore  Nitin Menon  AK Chaudhary Sha
[6]: (6]: (7]: (7]: (7]: (7]: (7]: (7]: (7]: (7	#looking at the nuipl.shape  (756, 18)  #getting the friquipl['player_of_mate  CH Gayle AB de Villiers DA Warner RG Sharma MS Dhoni	ore 2017- 04-08 Cl	Royal Delhi hallengers Daredevils Bangalore Daredevils  rows & columns in	Royal Challengers Bangalore the datasets	bat normal	Royal 0 Challengers Bangalore	15		KM Jadhav Chin	М	NaN
[8]: CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	AP Tare A Joseph KV Sharma AD Mathews Name: player_of_ma  #Getting the top 3 ipl['player_of_mat  CH Gayle AB de Villiers DA Warner RG Sharma MS Dhoni YK Pathan SR Watson SK Raina G Gambhir MEK Hussey Name: player_of_mat  #Getting the top 3 ipl['player_of_mat	1 1 1 1 1 1 tch, Length  10 players 10 players 11 12 11 15 14 13 12 12 15 players w	with most man of e_counts()[0:10]  : int64  with most man of t	the match awar							
10]: [ 10]: [ 12]: [	DA Warner RG Sharma  MS Dhoni Name: player_of_ma  list(ipl['player_of ['CH Gayle', 'AB do	of_match']. e Villiers	value_counts()[0	RG Sharma', 'MS		yer_of_match'].valu	e_counts()[0:5	]),color='b')			
13]: nt tn N 14]: M KC R KC R S CC R KC R S CC R C R	#Getting the frique ipl['result'].value ipl['result'].value normal 743 tie 9 no result 4 Name: result, dtype #finding out the result, dtype #finding out the result ipl['toss_winner'] Mumbai Indians Kolkata Knight Ride Chennai Super Kings Kolkata Knight Ride Chennai Super Kings XI Punjab Delhi Daredevils Rajasthan Royals Sunrisers Hyderabac Deccan Chargers Pune Warriors Gujarat Lions Delhi Capitals Kochi Tuskers Keras Rising Pune Superga Rising Pune Superga Name: toss_winner,	e: int64  number of t  .value_cou ers s Bangalore  d  la iants iant dtype: int	98 92 89 81 81 80 46 43 20 15 10 8 7 6	ach team							
38]:	4 5 2017 Banga  8 9 2017 F  13 14 2017 Kol  14 15 2017 [  #finding out the r batting_first['wir  Mumbai Indians Chennai Super Kings Kings XI Punjab Kolkata Knight Ride Royal Challengers I Sunrisers Hyderabae Rajasthan Royals Delhi Daredevils Deccan Chargers Pune Warriors	city date  abad 2017- 04-05  alore 2017- 04-08  Pune 2017- 04-11  kata 2017- 04-15  Delhi 2017- 04-15  numbers of nner'].values  ers Bangalore d	Sunrisers Hyderabad Royal Challengers Bangalore Delhi Daredevils Rising Pur Supergia  Kolkata Knight Riders Delhi Daredevils Kolkata Knight Riders Delhi Daredevils Rings Funja	al Royal Challengers Bangalore  Royal Challengers Bangalore  Rising Pune Supergiant	field normal  bat normal  field normal  field normal  bat normal	O Sunrisers Hyderabad O Royal Challengers Bangalore O Delhi Daredevils O Kolkata Knight Riders O Delhi Daredevils	vin_by_runs win_l 35 15 97 17 51	0 0 0	Yuvraj Singh  KM Jadhav Ch  SV Samson  RV Uthappa	Uppal  M ninnaswamy Stadium  Maharashtra Cricket Association Stadium  Eden Gardens	umpire1 ur  AY Dandekar  NaN  AY Dandekar  AY Dandekar  YC Barde
40]:	Rising Pune Supergraph Delhi Capitals Rising Pune Supergraph Super	iants la e: int64 t for top 3 e=(6,6))				_first['winner'].va	lue_counts()[0	:3]),color='r			
	# Making A pie Cha plt.figure(figsize plt.pie(list(batti plt.show())  Kings XI Pur  Kolkata Knight Riders	art e=(7,7)) ing_first['	15.4% 15.4% 8.9% 8.0%	Mumba 6.9% 6.9% 6.9% Fish Pun Deccal	uiarat Lions Kerala Sing Pune Superglants Elhi Capitals Sing Pune Supergiant e Warriors n Chargers	t['winner'].value_c	ounts().keys()	),autopct='%G	).1f%%')		
44]: 44]: 2	#Extracting those batting_second=ip] batting_second.hea id season c  1 2 2017 Pu  2 3 2017 Raji  3 4 2017 Indo  5 6 2017 Hyderab	records what ip lip live in ad ()  ad ()  ity date  ne 2017- 04-06  cot 2017- 04-07  ore 2017- 04-08 Since 2017- 04-09	team1 team2  Mumbai Rising Pune Supergiant  Gujarat Lions Rising Pune Riders  Rising Pune Supergiant  Kolkata Knight Riders  Rising Pune Pune Rising Pune Rising Pune Pune Rising R	toss_winner toss_ Rising Pune Supergiant  Kolkata Knight Riders  Kings XI Punjab  Sunrisers Hyderabad	_decision result dl_ap field normal field normal field normal	Rising O Pune Supergiant  Kolkata O Knight Riders  Kings XI Punjab  Sunrisers Hyderabad	y_runs win_by_w 0 0 0	7 SP  10 G  6 GJ  9 Rash	Mahara CI Associ Sta  CA Lynn CA Lynn CA Lynn Maxwell CI Sta  Internat Stac  U Mark	ricket A N Kisladium  ashtra ricket iation Meadium  dolkar ricket adium  Rajiv andhitional dium, Jppal	Nand Shore  Nitin CK N  AK Shamsh  A NJ  Mitin
46]:	#making a histographt.figure(figsizeplt.hist(batting_splt.grid(True)plt.show()	04-09 am for freq e=(7,7))	Knight Indians Riders Indians		field normal	0 Mumbai Indians	0	4	N Rana Wank		Nitin CK N
47]: K M C R C C C C C C C R	Kolkata Knight Ride Mumbai Indians Chennai Super Kings Royal Challengers I Rajasthan Royals Delhi Daredevils Kings XI Punjab Sunrisers Hyderabae Gujarat Lions Deccan Chargers Delhi Capitals Pune Warriors Rising Pune Superg	inner'].val ers s Bangalore d iant la iants		w.r.t each tea	am after batting se	cond					
52]:	Kochi Tuskers Kera Rising Pune Superg Name: winner, dtype # Making a Bar-plo plt.figure(figsize	la iants e: int64 ot for top e=(7,7))	3 team with most			g_second['winner'].	value_counts()	[0:3]),color=	['purple','b	lue','yell	low'])
56]:	Kolkata Knight Riders  # Making a Pie cha plt.figure(figsize	art for dis e=(10,10))	stribution of most	wins after bacounts()),label		ond['winner'].value	_counts().keys	()),autopct='	%0.1f%%')		
			11.8%	12.3%	Kolk						
58]:	Royal Challengers Bangalore  Rajasthan Royals  # Looking at the ripl['season'].value	Delhi Darede	natches played eac	6.7% 10.3% Kings XI Punja	15% 15% 2.7% 3.0% Deco						
58]: 222222222222222222222222222222222222	# Looking at the ripl['season'].value 2013 76 2012 74 2011 73 2010 60 2014 60 2016 60 2018 60 2018 60 2019 60 2015 59 2017 59 2008 58 2009 57 Name: season, dtype # Looking at the ripl['city'].value Mumbai Kolkata Delhi Bangalore Hyderabad Chennai Jaipur	Delhi Dareda  number of mae_counts()  e: int64  number of mae_counts()  101  77  74  66  64  57  47	10.3%  natches played each	Kings XI Punja	12% 12% 15% 2.7% 3.0%  Deco	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant tune Warriors elhi Capitals can Chargers					
58]: 222222 N	# Looking at the ripl['season'].value 2013 76 2012 74 2011 73 2010 60 2014 60 2016 60 2018 60 2018 60 2019 60 2015 59 2017 59 2008 58 2009 57 Name: season, dtype # Looking at the ripl['city'].value Mumbai Kolkata Delhi Bangalore Hyderabad Chennai	Delhi Dareda  number of mue_counts()  e: int64  number of mue_counts()  101  77  74  66  64  57  47  46  38  15  14  13  12  10  10  9  9  8  7  7  7  7  6  6  6  5  4  3  3  3  2  int64	natches played each	Kings XI Punja	Deco	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant tune Warriors elhi Capitals can Chargers					
58]: 222222	# Looking at the ripl['season'].value  2013	Delhi Dared  number of male_counts()  101 77 74 66 64 57 47 46 38 15 14 13 12 12 10 10 9 8 8 7 7 7 7 6 6 6 5 4 3 3 3 2 int64  many times  vinner']==i	total a team has won a servite	Kings XI Punja  Ch seasons  Ch city  2 DA Warner  2 DA S  3 Warner  S  3 DA S	winning the toss  Sunrisers Hyderaba  Sunrisers Hyderaba  Sunrisers Hyderaba  TS Mills  Dhawan TS Mills  Dhawan TS Mills	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors elhi Capitals can Chargers dd  per_over bye_runs  0 0  0 0	0 0	0 0	0 0	0 0 4	0 0
58]: 22222	# Looking at the ripl['season'].value  2013    76 2012    74 2011    73 2010    60 2014    60 2016    60 2019    60 2015    59 2008    58 2009    57 Name: season, dtypo  # Looking at the ripl['city'].value  Mumbai    60 2014    60 2015    60 2017    59 2008    58 2009    57 Name: season, dtypo  # Looking at the ripl['city'].value  Mumbai    60 2014    60 2015    60 2016    60 2017    59 2008    58 2009    57 Name: season, dtypo  # Looking at the ripl['city'].value  Mumbai    60 2016    60 2017    79 2008    58 2009    57 Name: season, dtypo  # Looking at the riple city', value  # Looking at the r	Delhi Dareda  number of male_counts()  e: int64  number of male_counts()  101  77  74  66  64  57  47  46  38  15  14  13  12  10  10  9  9  8  7  7  7  7  6  6  5  4  3  3  3  2  int64  many times  ovinner']==i  di_csv('deli  atting_team  Sunrisers Hyderabad	tevils  at team has won a stackes played each at the splayed each	10.3%  10.3%  Kings XI Punja  Ch seasons  Ch city  DA  Warner  DA  Warner  DA  Warner  DA  Warner  DA  Warner  DA  Warner  S  A  DA  Warner  S  Warne	### Sunrisers Hyderaba    Sunrisers Hyderaba   Sunr	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors elhi Capitals can Chargers dd  per_over bye_runs  0 0	0	0	0	0	0
58]: 22222	# Looking at the ripl['season'].value  # Looking at the ripl['season'].value  2013	Delhi Dareda  number of many times  ce: int64  number of many times  counts()  101  77  74  66  64  57  47  46  68  43  33  12  10  10  9  9  8  7  7  7  7  6  6  6  5  4  3  3  2  int64   many times  vinner']==i  dicsv('deli	11.3%   10.3%   20.3	the toss after  all batsman noon  ball batsman noon  all batsman noon  ball batsman noon  ball batsman noon  ball batsman noon  ch seasons  ch city  ball batsman noon  ball batsman noon  ball batsman noon  ch seasons  ch city  ball batsman noon  ch seasons  ch seasons  ch city  ball batsman noon  ch seasons  ch city	### Decorption of the control of the	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors ethi Capitals can Chargers dd   per_over bye_runs  0 0  0 0	0 0 0	0 0 0	0 0 0	0 0 4 0	0 0 0
58]: 22222	# Looking at the ripl['season'].valided in the ripl['season, dtyp.  # Looking at the riple at the riple	Delhi Darede  """  """  """  """  """  """  """	1.3%   10.3%	A Company of the toss after  Company of the toss	### A Suntisers Hyderabe  ### A Suntisers Hy	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors ethi Capitals can Chargers dd   per_over bye_runs  0 0  0 0	0 0 0	0 0 0	0 0 0	0 0 4 0	0 0 0
58]: 2222 N	# Looking at the ripl['season']. Value of the ripl['city']. Value o	Delhi Daredo  De		all batsman no  Kings XI Punja  Kings XI Punja  Kings XI Punja  Kings XI Punja  Che seasons  Che seasons  Che toss after  Che	## Date	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors ethi Capitals can Chargers dd   per_over bye_runs  0 0  0 0					
58]: 222222 N	# Looking at the interpretation of the inter	Delhi Dared  Delhi	113%   103%	aball batsman nor service of the toss after seasons seasons service of the toss after seasons	## A Sunrisers Hyderabe    Sunrisers Hyderabe   Sun	Rising Pune Supergiants Kochi Tuskers Kerala Rising Pune Supergiant une Warriors  10 0  10 .	legbye_runs nob	O O O O O O O O O O O O O O O O O O O	O O O O O O O O O O O O O O O O O O O	O  4  O  Tuns extra	O O O O I I I I I I I I I I I I I I I I
58]: 222222	# Looking at the ripl('season')   valuation	Delhi Daredo  De	13%   10.3%	all batsman non  Kings XI Punja  Kings XI Punja  Kings XI Punja  Che toss after  DA S  Che toss after  A DA S  A Warner  A DA S  A DA DA S  A DA S  A DA DA DA S  A DA DA DA S  A DA	### Down is sure in the control of t	per_over     bye_runs	Legbye_runs	0	0	0	0 0 0 2 12 10 10 10 10 10 10 10 10 10 10 10 10 10
58]: 222222	# Looking at the ripl['season'] value	Delhi Daredo  De	113%   10.3%	all batsman non  Kings XI Punja  Kings XI Punja  Kings XI Punja  Che toss after  DA S  Che toss after  A DA S  A Warner  A DA S  A DA DA S  A DA S  A DA DA DA S  A DA DA DA S  A DA	### Down is sure in the control of t	per_over     bye_runs	Legbye_runs	0	0	0	0