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Application of K-Means Clustering on Cricket Match Toss and final results to find any correspondence

Overview

We have often seen cricket matches, either at home in the comfort of the television screen or in a cricket stadium. Often after the toss, the winning team chooses to either bat or field, and we as a general spectator often speculate about the consequences of such a decision. Often, we also bombard our mind with questions like, will the toss-winner become the match winner too? Is luck in their favour? Here, I have taken up some real time data to see if the toss winning has some effect on match winning in a direct sense, or it's just merely a speculation.

Data Source

The data was sourced from a public GitHub repository of 'akpythonyt'. The link to the publicly accessible raw data is enclosed below

https://github.com/akpythonyt/Datasets/blob/main/matches.csv

Understanding the Data

The names of the columns and the meaning of the data they contain are presented herewith.

id: Serial numbering the rows

season: year in which the match was played

city: City in which the match was played

date: Date of the commencement of the match

team1: First competitor in the match

team2: Second competitor of the match

toss_winner : Team which won the toss

toss_desicion: The decision taken by the toss winning team, to either bat or bowl

result: match won by how many runs or how many wickets; or draw match

dl_applied: if any dl was applied, indicated by the number

winner: The winning team

win_by_runs: by how many runs did the winning team win

win by wickets: by how many wickets did the winning team win

player of match: the man of the match declared

venue: the name of the stadium where the match was played

umpire1 : Name of the first umpire

umpire2 : Name of the second umpire

umpire3: Name of the third umpire

Creation of the dataset

```
import pandas as pd
df =
pd.read_csv('https://raw.githubusercontent.com/akpythonyt/Datasets/main/matches
.csv')
#sourced the data from -
https://github.com/akpythonyt/Datasets/blob/main/matches.csv
```

Working on the Data

Now we shall modify the data as per the necessity of the work. We shall also remove certain columns in the dataset as they are not of the concern for the present study.

```
import numpy as np
team_uni = np.array(df['team1'].unique())

df = df.drop(columns =
['season','city','date','toss_decision','result','dl_applied','win_by_runs','wi
n_by_wickets','player_of_match','venue','umpire1','umpire2','umpire3'])
#deleted unnecessary columns

#eliminating empty rows for the data
df =df.dropna()
```

The resulting data after dropping the certain columns as seen in the second block and deleting null valued rows, has 5 columns and 762 rows.

The data, after all these modifications; look like

| id | team1 | team2 | toss_winner | winner |
|----|------------------------|-----------------------------------|--------------------------------|---------------------|
| 1 | Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Sunrisers Hyderabad |
| 2 | Mumbai | Rising Pune | Rising Pune | Rising Pune |

| | Indians | Supergiant | Supergiant | Supergiant |
|----|-----------------------------------|---------------------------|--------------------------------|--------------------------------|
| 3 | Gujarat Lions | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 4 | Rising Pune Supergiant | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 5 | Royal Challengers Bangalore | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 6 | Gujarat Lions | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 7 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 8 | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab |
| 9 | Delhi Daredevils | Rising Pune Supergiant | Rising Pune Supergiant | Delhi Daredevils |
| 10 | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 11 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 12 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 13 | Rising Pune Supergiant | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 14 | Kolkata Knight Riders | Sunrisers Hyderabad | Sunrisers Hyderabad | Kolkata Knight Riders |
| 15 | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils |

| 16 | Gujarat Lions | Mumbai Indians | Mumbai Indians | Mumbai Indians |
|----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 17 | Rising Pune Supergiant | Royal Challengers Bangalore | Royal Challengers Bangalore | Rising Pune Supergiant |
| 18 | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders |
| 19 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 20 | Royal Challengers Bangalore | Gujarat Lions | Gujarat Lions | Royal Challengers Bangalore |
| 21 | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 22 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 23 | Kolkata Knight Riders | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 24 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 25 | Sunrisers Hyderabad | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 26 | Kings XI Punjab | Gujarat Lions | Gujarat Lions | Kings XI Punjab |
| 27 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Kolkata Knight Riders |
| 28 | Rising Pune Supergiant | Mumbai Indians | Mumbai Indians | Rising Pune Supergiant |
| 29 | Rising Pune Supergiant | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |

| 30 | Royal Challengers Bangalore | Gujarat Lions | Gujarat Lions | Gujarat Lions |
|----|-----------------------------------|-----------------------------------|--------------------------------|---------------------------|
| 31 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 32 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 33 | Rising Pune Supergiant | Royal Challengers Bangalore | Royal Challengers Bangalore | Rising Pune Supergiant |
| 34 | Gujarat Lions | Mumbai Indians | Gujarat Lions | Mumbai Indians |
| 35 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 36 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Sunrisers Hyderabad |
| 37 | Royal Challengers Bangalore | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians |
| 38 | Gujarat Lions | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 39 | Sunrisers Hyderabad | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 40 | Kolkata Knight Riders | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 41 | Gujarat Lions | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 42 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Kings XI Punjab |

| 43 | Rising Pune Supergiant | Sunrisers Hyderabad | Sunrisers Hyderabad | Rising Pune Supergiant |
|----|-----------------------------------|---------------------------|--------------------------------|--------------------------------|
| 44 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 45 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 46 | Kings XI Punjab | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 47 | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians | Sunrisers Hyderabad |
| 48 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kings XI Punjab |
| 49 | Gujarat Lions | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 50 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
| 51 | Delhi Daredevils | Rising Pune Supergiant | Delhi Daredevils | Delhi Daredevils |
| 52 | Gujarat Lions | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 53 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Mumbai Indians |
| 54 | Kings XI Punjab | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 55 | Royal Challengers Bangalore | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 56 | Rising Pune Supergiant | Mumbai Indians | Mumbai Indians | Rising Pune Supergiant |

| 57 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
|----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 58 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 59 | Mumbai Indians | Rising Pune Supergiant | Mumbai Indians | Mumbai Indians |
| 60 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Kolkata Knight Riders |
| 61 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings |
| 62 | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils |
| 63 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Royal Challengers Bangalore |
| 64 | Deccan Chargers | Kolkata Knight Riders | Deccan Chargers | Kolkata Knight Riders |
| 65 | Kings XI Punjab | Rajasthan Royals | Kings XI Punjab | Rajasthan Royals |
| 66 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Delhi Daredevils |
| 67 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Chennai Super Kings |
| 68 | Deccan Chargers | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 69 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
| 70 | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |

| 71 | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings |
|----|--------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 72 | Mumbai Indians | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 73 | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils | Kings XI Punjab |
| 74 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings |
| 75 | Kolkata Knight Riders | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians |
| 76 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Delhi Daredevils |
| 77 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 78 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals |
| 79 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Delhi Daredevils |
| 80 | Deccan Chargers | Royal Challengers Bangalore | Deccan Chargers | Royal Challengers Bangalore |
| 81 | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab |
| 82 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 83 | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals |
| | | | | |

| 84 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
|----|-----------------------------------|-----------------------------------|--------------------------------|-----------------------|
| 85 | Chennai Super Kings | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 86 | Rajasthan Royals | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 87 | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 88 | Kolkata Knight Riders | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders |
| 89 | Deccan Chargers | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 90 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 91 | Chennai Super Kings | Kings XI Punjab | Kings XI Punjab | Chennai Super Kings |
| 92 | Kolkata Knight Riders | Deccan Chargers | Kolkata Knight Riders | Kolkata Knight Riders |
| 93 | Delhi Daredevils | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 94 | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab |
| 95 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders |
| 96 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Mumbai Indians |

| 97 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Kings XI Punjab |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 98 | Delhi Daredevils | Deccan Chargers | Deccan Chargers | Delhi Daredevils |
| 99 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 100 | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils | Kings XI Punjab |
| 101 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Rajasthan Royals |
| 102 | Mumbai Indians | Deccan Chargers | Deccan Chargers | Mumbai Indians |
| 103 | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings |
| 104 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 105 | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 106 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
| 107 | Royal Challengers Bangalore | Chennai Super Kings | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 108 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 109 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 110 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals |
| | | | | |

| 111 | Royal Challengers Bangalore | Deccan Chargers | Deccan Chargers | Royal Challengers Bangalore |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 112 | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders |
| 113 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 114 | Deccan Chargers | Chennai Super Kings | Deccan Chargers | Chennai Super Kings |
| 115 | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils | Rajasthan Royals |
| 116 | Kings XI Punjab | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings |
| 117 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 118 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Mumbai Indians |
| 119 | Royal Challengers Bangalore | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 120 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 121 | Kolkata Knight Riders | Deccan Chargers | Kolkata Knight Riders | Deccan Chargers |
| 122 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings |
| 123 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |

| 124 | Deccan Chargers | Royal Challengers Bangalore | Deccan Chargers | Deccan Chargers |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 125 | Delhi Daredevils | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils |
| 126 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Rajasthan Royals |
| 127 | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab |
| 128 | Deccan Chargers | Mumbai Indians | Deccan Chargers | Deccan Chargers |
| 129 | Royal Challengers Bangalore | Delhi Daredevils | Royal Challengers Bangalore | Delhi Daredevils |
| 130 | Kings XI Punjab | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab |
| 131 | Chennai Super Kings | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 132 | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians |
| 133 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals |
| 134 | Kolkata Knight Riders | Royal Challengers Bangalore | Kolkata Knight Riders | Royal Challengers Bangalore |
| 135 | Kings XI Punjab | Mumbai Indians | Kings XI Punjab | Kings XI Punjab |
| 136 | Deccan Chargers | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |

| 137 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Chennai Super Kings |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 138 | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians |
| 139 | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 140 | Deccan Chargers | Rajasthan Royals | Deccan Chargers | Rajasthan Royals |
| 141 | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils | Chennai Super Kings |
| 142 | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab |
| 143 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Royal Challengers Bangalore |
| 144 | Chennai | Deccan | Chennai Super | Chennai Super Kings |
| | Super Kings | Chargers | Kings | |
| 145 | | | • | Rajasthan Royals |
| | Super Kings Rajasthan | Chargers Kings XI | Kings | |
| 145 | Super Kings Rajasthan Royals Kolkata | Chargers Kings XI Punjab Delhi | Kings XI Punjab Kolkata Knight | Rajasthan Royals |
| 145 146 | Super Kings Rajasthan Royals Kolkata Knight Riders Deccan | Chargers Kings XI Punjab Delhi Daredevils Mumbai | Kings Kings XI Punjab Kolkata Knight Riders | Rajasthan Royals Delhi Daredevils |
| 145146147 | Super Kings Rajasthan Royals Kolkata Knight Riders Deccan Chargers Royal Challengers | Chargers Kings XI Punjab Delhi Daredevils Mumbai Indians Rajasthan | Kings Kings XI Punjab Kolkata Knight Riders Deccan Chargers | Rajasthan Royals Delhi Daredevils Deccan Chargers |
| 145146147148 | Super Kings Rajasthan Royals Kolkata Knight Riders Deccan Chargers Royal Challengers Bangalore Chennai | Chargers Kings XI Punjab Delhi Daredevils Mumbai Indians Rajasthan Royals Kings XI | Kings Kings XI Punjab Kolkata Knight Riders Deccan Chargers Rajasthan Royals Chennai Super | Rajasthan Royals Delhi Daredevils Deccan Chargers Rajasthan Royals |

| 151 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
|-----|--------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 152 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings |
| 153 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians |
| 154 | Kolkata Knight Riders | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 155 | Deccan Chargers | Rajasthan Royals | Deccan Chargers | Deccan Chargers |
| 156 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 157 | Kings XI Punjab | Mumbai Indians | Kings XI Punjab | Mumbai Indians |
| 158 | Delhi Daredevils | Deccan Chargers | Deccan Chargers | Delhi Daredevils |
| 159 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Royal Challengers Bangalore |
| 160 | Rajasthan Royals | Mumbai Indians | Rajasthan Royals | Rajasthan Royals |
| 161 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 162 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Chennai Super Kings |
| 163 | Kolkata Knight Riders | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 164 | Kings XI Punjab | Deccan Chargers | Deccan Chargers | Kings XI Punjab |

| 165 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 166 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders |
| 167 | Delhi Daredevils | Royal Challengers Bangalore | Delhi Daredevils | Royal Challengers Bangalore |
| 168 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 169 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings |
| 170 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 171 | Royal Challengers Bangalore | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 172 | Delhi Daredevils | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 173 | Chennai Super Kings | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 174 | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore | Deccan Chargers |
| 175 | Kolkata Knight Riders | Deccan Chargers | Deccan Chargers | Kolkata Knight Riders |
| 176 | Mumbai Indians | Rajasthan Royals | Mumbai Indians | Mumbai Indians |
| 177 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |

| 178 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 179 | Deccan Chargers | Chennai Super Kings | Deccan Chargers | Deccan Chargers |
| 180 | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 181 | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore |
| 182 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings |
| 183 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 184 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 185 | Delhi Daredevils | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings |
| 186 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Deccan Chargers |
| 187 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals |
| 188 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Royal Challengers Bangalore |
| 189 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Deccan Chargers |
| 190 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Kings XI Punjab |

| 191 | Kolkata Knight Riders | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 192 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Royal Challengers Bangalore |
| 193 | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Rajasthan Royals |
| 194 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 195 | Deccan Chargers | Rajasthan Royals | Deccan Chargers | Rajasthan Royals |
| 196 | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders |
| 197 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Delhi Daredevils |
| 198 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals |
| 199 | Mumbai Indians | Deccan Chargers | Deccan Chargers | Mumbai Indians |
| 200 | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils | Delhi Daredevils |
| 201 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 202 | Royal Challengers Bangalore | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings |
| 203 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils |
| 204 | Kolkata Knight Riders | Deccan Chargers | Kolkata Knight Riders | Kolkata Knight Riders |
| | | | | |

| 205 | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab | Royal Challengers Bangalore |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 206 | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings | Chennai Super Kings |
| 207 | Mumbai Indians | Deccan Chargers | Mumbai Indians | Mumbai Indians |
| 208 | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab |
| 209 | Delhi Daredevils | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils |
| 210 | Rajasthan Royals | Deccan Chargers | Rajasthan Royals | Rajasthan Royals |
| 211 | Chennai Super Kings | Mumbai Indians | Chennai Super Kings | Chennai Super Kings |
| 212 | Kings XI Punjab | Rajasthan Royals | Kings XI Punjab | Rajasthan Royals |
| 213 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders |
| 214 | Royal Challengers Bangalore | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 215 | Mumbai Indians | Kings XI Punjab | Mumbai Indians | Kings XI Punjab |
| 216 | Chennai Super Kings | Deccan Chargers | Chennai Super Kings | Deccan Chargers |
| 217 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |

| 218 | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils | Kings XI Punjab |
|-----|--------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 219 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Mumbai Indians |
| 220 | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore | Deccan Chargers |
| 221 | Mumbai Indians | Delhi Daredevils | Mumbai Indians | Mumbai Indians |
| 222 | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings |
| 223 | Rajasthan Royals | Royal Challengers Bangalore | Rajasthan Royals | Royal Challengers Bangalore |
| 224 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Delhi Daredevils |
| 225 | Kings XI Punjab | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 226 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Mumbai Indians |
| 227 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Kolkata Knight Riders |
| 228 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 229 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Deccan Chargers |
| 230 | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians | Kolkata Knight Riders |

| 231 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians |
|-----|-----------------------------------|-----------------------------------|--------------------------|--------------------------------|
| 232 | Chennai Super Kings | Deccan Chargers | Chennai Super Kings | Chennai Super Kings |
| 233 | Deccan Chargers | Royal Challengers Bangalore | Deccan Chargers | Royal Challengers Bangalore |
| 234 | Chennai Super Kings | Mumbai Indians | Chennai Super Kings | Chennai Super Kings |
| 235 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings |
| 236 | Deccan Chargers | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 237 | Kochi Tuskers Kerala | Royal Challengers Bangalore | Kochi Tuskers Kerala | Royal Challengers Bangalore |
| 238 | Delhi Daredevils | Mumbai Indians | Delhi Daredevils | Mumbai Indians |
| 239 | Kings XI Punjab | Pune Warriors | Kings XI Punjab | Pune Warriors |
| 240 | Kolkata Knight Riders | Deccan Chargers | Kolkata Knight Riders | Kolkata Knight Riders |
| 241 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals |
| 242 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 243 | Chennai Super Kings | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |

| 244 | Kochi Tuskers Kerala | Pune Warriors | Kochi Tuskers Kerala | Pune Warriors |
|-----|----------------------------|-----------------------------------|--------------------------------|-----------------------|
| 245 | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore | Deccan Chargers |
| 246 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 247 | Mumbai Indians | Kochi Tuskers Kerala | Kochi Tuskers Kerala | Kochi Tuskers Kerala |
| 248 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings |
| 249 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 250 | Pune Warriors | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 251 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 252 | Chennai Super Kings | Kochi Tuskers Kerala | Kochi Tuskers Kerala | Kochi Tuskers Kerala |
| 253 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Deccan Chargers |
| 254 | Pune Warriors | Mumbai Indians | Pune Warriors | Mumbai Indians |
| 255 | Kochi Tuskers Kerala | Kolkata Knight Riders | Kolkata Knight Riders | Kochi Tuskers Kerala |
| 256 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Kings XI Punjab |

| 257 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Mumbai Indians |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 258 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 259 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Delhi Daredevils |
| 260 | Mumbai Indians | Deccan Chargers | Deccan Chargers | Mumbai Indians |
| 261 | Kochi Tuskers Kerala | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 262 | Chennai Super Kings | Pune Warriors | Pune Warriors | Chennai Super Kings |
| 263 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 264 | Pune Warriors | Chennai Super Kings | Pune Warriors | Chennai Super Kings |
| 265 | Deccan Chargers | Kochi Tuskers Kerala | Kochi Tuskers Kerala | Deccan Chargers |
| 266 | Kolkata Knight Riders | Delhi Daredevils | Delhi Daredevils | Kolkata Knight Riders |
| 267 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 268 | Royal Challengers Bangalore | Pune Warriors | Pune Warriors | Royal Challengers Bangalore |
| 269 | Delhi Daredevils | Kochi Tuskers Kerala | Delhi Daredevils | Delhi Daredevils |

| 270 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
|-----|-----------------------------------|-----------------------------------|--------------------------|--------------------------------|
| 271 | Pune Warriors | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 272 | Chennai Super Kings | Deccan Chargers | Chennai Super Kings | Chennai Super Kings |
| 273 | Mumbai Indians | Kings XI Punjab | Kings XI Punjab | Mumbai Indians |
| 274 | Delhi Daredevils | Kochi Tuskers Kerala | Kochi Tuskers Kerala | Kochi Tuskers Kerala |
| 275 | Kolkata Knight Riders | Deccan Chargers | Deccan Chargers | Kolkata Knight Riders |
| 276 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings |
| 277 | Mumbai Indians | Pune Warriors | Pune Warriors | Mumbai Indians |
| 278 | Kochi Tuskers Kerala | Kolkata Knight Riders | Kolkata Knight Riders | Kochi Tuskers Kerala |
| 279 | Deccan Chargers | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 280 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Royal Challengers Bangalore |
| 281 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders |
| 282 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 283 | Kochi Tuskers Kerala | Royal Challengers Bangalore | Kochi Tuskers Kerala | Royal Challengers Bangalore |

| 284 | Kings XI Punjab | Pune Warriors | Kings XI Punjab | Pune Warriors |
|-----|----------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 285 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Chennai Super Kings |
| 286 | Deccan Chargers | Pune Warriors | Deccan Chargers | Pune Warriors |
| 287 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
| 288 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 289 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings |
| 290 | Kochi Tuskers Kerala | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 291 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 292 | Deccan Chargers | Mumbai Indians | Deccan Chargers | Deccan Chargers |
| 293 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Kings XI Punjab |
| 294 | Rajasthan Royals | Kochi Tuskers Kerala | Kochi Tuskers Kerala | Kochi Tuskers Kerala |
| 295 | Pune Warriors | Deccan Chargers | Deccan Chargers | Deccan Chargers |
| 296 | Kings XI Punjab | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab |
| | | | | |

| 297 | Chennai Super Kings | Kochi Tuskers Kerala | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 298 | Pune Warriors | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 299 | Mumbai Indians | Rajasthan Royals | Mumbai Indians | Rajasthan Royals |
| 300 | Deccan Chargers | Kings XI Punjab | Kings XI Punjab | Deccan Chargers |
| 301 | Chennai Super Kings | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 302 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 303 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 304 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 305 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Royal Challengers Bangalore |
| 306 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings |
| 307 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 308 | Kolkata Knight Riders | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 309 | Pune Warriors | Mumbai Indians | Mumbai Indians | Pune Warriors |

| 310 | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Rajasthan Royals |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 311 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Royal Challengers Bangalore |
| 312 | Chennai Super Kings | Deccan Chargers | Deccan Chargers | Chennai Super Kings |
| 313 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Rajasthan Royals |
| 314 | Pune Warriors | Kings XI Punjab | Pune Warriors | Pune Warriors |
| 315 | Deccan Chargers | Mumbai Indians | Deccan Chargers | Mumbai Indians |
| 316 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Kolkata Knight Riders |
| 317 | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 318 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Mumbai Indians |
| 319 | Royal Challengers Bangalore | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings |
| 320 | Pune Warriors | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 321 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Kolkata Knight Riders |
| 322 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Delhi Daredevils |
| 323 | Chennai Super Kings | Pune Warriors | Chennai Super Kings | Pune Warriors |

| 324 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kings XI Punjab |
|-----|------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 325 | Rajasthan Royals | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals |
| 326 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 327 | Deccan Chargers | Rajasthan Royals | Deccan Chargers | Rajasthan Royals |
| 328 | Pune Warriors | Royal Challengers Bangalore | Pune Warriors | Royal Challengers Bangalore |
| 329 | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders |
| 330 | Deccan Chargers | Delhi Daredevils | Deccan Chargers | Delhi Daredevils |
| 331 | Chennai Super Kings | Pune Warriors | Pune Warriors | Chennai Super Kings |
| 332 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 333 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings |
| 334 | Pune Warriors | Delhi Daredevils | Delhi Daredevils | Pune Warriors |
| 335 | Mumbai Indians | Kings XI Punjab | Mumbai Indians | Kings XI Punjab |
| 336 | Deccan Chargers | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |

| 337 | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals | Royal Challengers Bangalore |
|-----|-----------------------------------|-----------------------------------|--------------------------|--------------------------------|
| 338 | Pune Warriors | Delhi Daredevils | Pune Warriors | Delhi Daredevils |
| 339 | Kings XI Punjab | Mumbai Indians | Kings XI Punjab | Mumbai Indians |
| 340 | Deccan Chargers | Pune Warriors | Deccan Chargers | Deccan Chargers |
| 341 | Delhi Daredevils | Mumbai Indians | Mumbai Indians | Delhi Daredevils |
| 342 | Kings XI Punjab | Chennai Super Kings | Kings XI Punjab | Kings XI Punjab |
| 343 | Kolkata Knight Riders | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders |
| 344 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils |
| 345 | Deccan Chargers | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 346 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders |
| 347 | Deccan Chargers | Pune Warriors | Deccan Chargers | Deccan Chargers |
| 348 | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils |
| 349 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 350 | Mumbai Indians | Pune Warriors | Mumbai Indians | Mumbai Indians |

| 351 | Chennai Super Kings | Deccan Chargers | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 352 | Kolkata Knight Riders | Pune Warriors | Kolkata Knight Riders | Kolkata Knight Riders |
| 353 | Rajasthan Royals | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals |
| 354 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 355 | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 356 | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders |
| 357 | Pune Warriors | Rajasthan Royals | Pune Warriors | Rajasthan Royals |
| 358 | Kings XI Punjab | Deccan Chargers | Deccan Chargers | Kings XI Punjab |
| 359 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 360 | Rajasthan Royals | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 361 | Royal Challengers Bangalore | Pune Warriors | Pune Warriors | Royal Challengers Bangalore |
| 362 | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians |
| 363 | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 364 | Rajasthan Royals | Pune Warriors | Rajasthan Royals | Rajasthan Royals |

| 365 | Deccan Chargers | Kings XI Punjab | Deccan Chargers | Kings XI Punjab |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 366 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 367 | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 368 | Kings XI Punjab | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils |
| 369 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Kolkata Knight Riders |
| 370 | Chennai Super Kings | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 371 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Royal Challengers Bangalore |
| 372 | Rajasthan Royals | Deccan Chargers | Rajasthan Royals | Deccan Chargers |
| 373 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 374 | Kolkata Knight Riders | Pune Warriors | Kolkata Knight Riders | Kolkata Knight Riders |
| 375 | Deccan Chargers | Royal Challengers Bangalore | Royal Challengers Bangalore | Deccan Chargers |
| 376 | Rajasthan Royals | Mumbai Indians | Rajasthan Royals | Mumbai Indians |
| 377 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders |
| 378 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Chennai Super Kings |

| 379 | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 380 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders |
| 381 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 382 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Royal Challengers Bangalore |
| 383 | Sunrisers Hyderabad | Pune Warriors | Pune Warriors | Sunrisers Hyderabad |
| 384 | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals | Rajasthan Royals |
| 385 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Mumbai Indians |
| 386 | Pune Warriors | Kings XI Punjab | Pune Warriors | Kings XI Punjab |
| 387 | Royal Challengers Bangalore | Sunrisers Hyderabad | Royal Challengers Bangalore | Sunrisers Hyderabad |
| 388 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Rajasthan Royals |
| 389 | Mumbai Indians | Delhi Daredevils | Mumbai Indians | Mumbai Indians |
| 390 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 391 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 392 | Rajasthan Royals | Pune Warriors | Rajasthan Royals | Pune Warriors |

| 393 | Delhi Daredevils | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 394 | Mumbai Indians | Pune Warriors | Mumbai Indians | Mumbai Indians |
| 395 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 396 | Kolkata Knight Riders | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders |
| 397 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 398 | Pune Warriors | Chennai Super Kings | Pune Warriors | Pune Warriors |
| 399 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kings XI Punjab |
| 400 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 401 | Sunrisers Hyderabad | Pune Warriors | Pune Warriors | Sunrisers Hyderabad |
| 402 | Rajasthan Royals | Mumbai Indians | Rajasthan Royals | Rajasthan Royals |
| 403 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings |
| 404 | Kings XI Punjab | Sunrisers Hyderabad | Kings XI Punjab | Sunrisers Hyderabad |
| 405 | Kolkata Knight Riders | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings |
| 406 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| | | | | |

| 407 | Mumbai Indians | Delhi Daredevils | Mumbai Indians | Delhi Daredevils |
|-----|-----------------------------------|-----------------------------------|--------------------------|--------------------------------|
| 408 | Pune Warriors | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 409 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings |
| 410 | Royal Challengers Bangalore | Pune Warriors | Pune Warriors | Royal Challengers Bangalore |
| 411 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Kings XI Punjab |
| 412 | Kolkata Knight Riders | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians |
| 413 | Sunrisers Hyderabad | Chennai Super Kings | Sunrisers Hyderabad | Chennai Super Kings |
| 414 | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders |
| 415 | Sunrisers Hyderabad | Rajasthan Royals | Sunrisers Hyderabad | Rajasthan Royals |
| 416 | Mumbai Indians | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians |
| 417 | Chennai Super Kings | Kolkata Knight Riders | Kolkata Knight Riders | Chennai Super Kings |
| 418 | Delhi Daredevils | Pune Warriors | Pune Warriors | Delhi Daredevils |
| 419 | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 420 | Mumbai Indians | Kings XI Punjab | Mumbai Indians | Mumbai Indians |

| 421 | Chennai Super Kings | Pune Warriors | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 422 | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians | Sunrisers Hyderabad |
| 423 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils |
| 424 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings |
| 425 | Royal Challengers Bangalore | Pune Warriors | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 426 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Kolkata Knight Riders |
| 427 | Delhi Daredevils | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad |
| 428 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 429 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Mumbai Indians |
| 430 | Pune Warriors | Rajasthan Royals | Pune Warriors | Rajasthan Royals |
| 431 | Sunrisers Hyderabad | Royal Challengers Bangalore | Sunrisers Hyderabad | Royal Challengers Bangalore |
| 432 | Delhi Daredevils | Rajasthan Royals | Delhi Daredevils | Rajasthan Royals |
| 433 | Mumbai Indians | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians |
| 434 | Chennai Super Kings | Sunrisers Hyderabad | Sunrisers Hyderabad | Chennai Super Kings |

| 435 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
|-----|-----------------------------------|--------------------------|--------------------------|--------------------------------|
| 436 | Kolkata Knight Riders | Pune Warriors | Kolkata Knight Riders | Kolkata Knight Riders |
| 437 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Royal Challengers Bangalore |
| 438 | Pune Warriors | Mumbai Indians | Pune Warriors | Mumbai Indians |
| 439 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 440 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 441 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 442 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 443 | Sunrisers Hyderabad | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians |
| 444 | Pune Warriors | Kolkata Knight Riders | Kolkata Knight Riders | Pune Warriors |
| 445 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings |
| 446 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Mumbai Indians |
| 447 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 448 | Sunrisers Hyderabad | Rajasthan Royals | Sunrisers Hyderabad | Sunrisers Hyderabad |

| 449 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 450 | Pune Warriors | Delhi Daredevils | Pune Warriors | Pune Warriors |
| 451 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Royal Challengers Bangalore |
| 452 | Kolkata Knight Riders | Sunrisers Hyderabad | Kolkata Knight Riders | Sunrisers Hyderabad |
| 453 | Chennai Super Kings | Mumbai Indians | Chennai Super Kings | Chennai Super Kings |
| 454 | Sunrisers Hyderabad | Rajasthan Royals | Sunrisers Hyderabad | Rajasthan Royals |
| 455 | Rajasthan Royals | Mumbai Indians | Rajasthan Royals | Mumbai Indians |
| 456 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Mumbai Indians |
| 457 | Kolkata Knight Riders | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders |
| 458 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 459 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Kings XI Punjab |
| 460 | Sunrisers Hyderabad | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 461 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 462 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils |

| 463 | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
|-----|-----------------------------------|-----------------------------------|--------------------------------|-----------------------|
| 464 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings |
| 465 | Kings XI Punjab | Sunrisers Hyderabad | Sunrisers Hyderabad | Kings XI Punjab |
| 466 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Chennai Super Kings |
| 467 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Kolkata Knight Riders |
| 468 | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 469 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Chennai Super Kings |
| 470 | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 471 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kings XI Punjab |
| 472 | Mumbai Indians | Delhi Daredevils | Mumbai Indians | Delhi Daredevils |
| 473 | Sunrisers Hyderabad | Chennai Super Kings | Sunrisers Hyderabad | Chennai Super Kings |
| 474 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 475 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals |
| 476 | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians | Sunrisers Hyderabad |
| | | | | |

| 477 | Chennai Super Kings | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings |
|-----|------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 478 | Kings XI Punjab | Mumbai Indians | Kings XI Punjab | Mumbai Indians |
| 479 | Delhi Daredevils | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 480 | Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 481 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Rajasthan Royals |
| 482 | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 483 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Mumbai Indians |
| 484 | Delhi Daredevils | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders |
| 485 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Kings XI Punjab |
| 486 | Sunrisers Hyderabad | Rajasthan Royals | Rajasthan Royals | Sunrisers Hyderabad |
| 487 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Kings XI Punjab |
| 488 | Delhi Daredevils | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 489 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 490 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| | | | | |

| 491 | Royal Challengers Bangalore | Rajasthan Royals | Royal Challengers Bangalore | Rajasthan Royals |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 492 | Sunrisers Hyderabad | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians |
| 493 | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings |
| 494 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Royal Challengers Bangalore |
| 495 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 496 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 497 | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils | Rajasthan Royals |
| 498 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Royal Challengers Bangalore |
| 499 | Sunrisers Hyderabad | Kolkata Knight Riders | Sunrisers Hyderabad | Kolkata Knight Riders |
| 500 | Mumbai Indians | Rajasthan Royals | Mumbai Indians | Mumbai Indians |
| 501 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 502 | Royal Challengers Bangalore | Sunrisers Hyderabad | Royal Challengers Bangalore | Sunrisers Hyderabad |
| 503 | Chennai Super Kings | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |

| 504 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Mumbai Indians |
|-----|-----------------------------------|-----------------------------------|--------------------------------|-----------------------|
| 505 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Kolkata Knight Riders |
| 506 | Chennai Super Kings | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 507 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 508 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Kings XI Punjab |
| 509 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 510 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 511 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 512 | Rajasthan Royals | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 513 | Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab | Kolkata Knight Riders |
| 514 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 515 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Kings XI Punjab |
| 516 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 517 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |

| 518 | 3 | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils | Chennai Super Kings |
|-----|---|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 519 |) | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Rajasthan Royals |
| 520 |) | Chennai Super Kings | Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings |
| 521 | 1 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 522 | 2 | Delhi Daredevils | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 523 | 3 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Kings XI Punjab |
| 524 | 1 | Royal Challengers Bangalore | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 525 | 5 | Mumbai Indians | Rajasthan Royals | Mumbai Indians | Rajasthan Royals |
| 526 | 6 | Chennai Super Kings | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 527 | 7 | Kings XI Punjab | Delhi Daredevils | Kings XI Punjab | Delhi Daredevils |
| 528 | 3 | Sunrisers Hyderabad | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 529 |) | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Chennai Super Kings |
| 530 |) | Delhi Daredevils | Sunrisers Hyderabad | Delhi Daredevils | Delhi Daredevils |
| 531 | [| Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| | | | | | |

| 532 | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals |
|-----|--------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 533 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Mumbai Indians |
| 534 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 535 | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 536 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Sunrisers Hyderabad |
| 537 | Chennai Super Kings | Royal Challengers Bangalore | Royal Challengers Bangalore | Chennai Super Kings |
| 538 | Delhi Daredevils | Mumbai Indians | Mumbai Indians | Delhi Daredevils |
| 539 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 540 | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians |
| 541 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings |
| 542 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 543 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 544 | Kolkata Knight Riders | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders |

| 545 | Chennai Super Kings | Kolkata Knight Riders | Kolkata Knight Riders | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 546 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 547 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Mumbai Indians |
| 548 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 549 | Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings | Sunrisers Hyderabad |
| 550 | Mumbai Indians | Kings XI Punjab | Mumbai Indians | Mumbai Indians |
| 551 | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils | Rajasthan Royals |
| 552 | Chennai Super Kings | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings |
| 553 | Kolkata Knight Riders | Sunrisers Hyderabad | Sunrisers Hyderabad | Kolkata Knight Riders |
| 554 | Delhi Daredevils | Mumbai Indians | Delhi Daredevils | Mumbai Indians |
| 555 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Royal Challengers Bangalore |
| 556 | Sunrisers Hyderabad | Rajasthan Royals | Rajasthan Royals | Sunrisers Hyderabad |
| 557 | Chennai Super Kings | Mumbai Indians | Chennai Super Kings | Mumbai Indians |
| 558 | Kings XI Punjab | Kolkata Knight Riders | Kings XI Punjab | Kolkata Knight Riders |
| | | | | |

| 559 | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad | Sunrisers Hyderabad |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 560 | Royal Challengers Bangalore | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 561 | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings | Chennai Super Kings |
| 562 | Sunrisers Hyderabad | Kings XI Punjab | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 563 | Chennai Super Kings | Delhi Daredevils | Chennai Super Kings | Delhi Daredevils |
| 564 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Kings XI Punjab |
| 565 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Mumbai Indians |
| 566 | Sunrisers Hyderabad | Royal Challengers Bangalore | Sunrisers Hyderabad | Royal Challengers Bangalore |
| 567 | Kings XI Punjab | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings |
| 568 | Rajasthan Royals | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals |
| 569 | Sunrisers Hyderabad | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians |
| 570 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Mumbai Indians |
| 571 | Royal Challengers Bangalore | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore |

| 572 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|---------------------------|---------------------------|--------------------------------|
| 573 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Mumbai Indians |
| 574 | Mumbai Indians | Rising Pune Supergiant | Mumbai Indians | Rising Pune Supergiant |
| 575 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 576 | Kings XI Punjab | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 577 | Royal Challengers Bangalore | Sunrisers Hyderabad | Sunrisers Hyderabad | Royal Challengers Bangalore |
| 578 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 579 | Rising Pune Supergiant | Gujarat Lions | Rising Pune Supergiant | Gujarat Lions |
| 580 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 581 | Sunrisers Hyderabad | Kolkata Knight Riders | Sunrisers Hyderabad | Kolkata Knight Riders |
| 582 | Mumbai Indians | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 583 | Rising Pune Supergiant | Kings XI Punjab | Rising Pune Supergiant | Kings XI Punjab |
| 584 | Royal Challengers Bangalore | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 585 | Mumbai Indians | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |

| 586 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
|-----|-----------------------------------|---------------------------|--------------------------------|--------------------------------|
| 587 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 588 | Gujarat Lions | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 589 | Royal Challengers Bangalore | Rising Pune Supergiant | Rising Pune Supergiant | Royal Challengers Bangalore |
| 590 | Delhi Daredevils | Mumbai Indians | Mumbai Indians | Delhi Daredevils |
| 591 | Kings XI Punjab | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 592 | Royal Challengers Bangalore | Gujarat Lions | Royal Challengers Bangalore | Gujarat Lions |
| 593 | Rising Pune Supergiant | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 594 | Mumbai Indians | Kings XI Punjab | Kings XI Punjab | Mumbai Indians |
| 595 | Sunrisers Hyderabad | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 596 | Gujarat Lions | Delhi Daredevils | Delhi Daredevils | Gujarat Lions |
| 597 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 598 | Rising Pune Supergiant | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 599 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Delhi Daredevils |

| 600 | Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Sunrisers Hyderabad |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 601 | Kings XI Punjab | Gujarat Lions | Gujarat Lions | Kings XI Punjab |
| 602 | Rising Pune Supergiant | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 603 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 604 | Gujarat Lions | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 605 | Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab | Kolkata Knight Riders |
| 606 | Delhi Daredevils | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 607 | Gujarat Lions | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 608 | Rising Pune Supergiant | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 609 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Kings XI Punjab |
| 610 | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians | Sunrisers Hyderabad |
| 611 | Kolkata Knight Riders | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 612 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Royal Challengers Bangalore |

| 613 | Sunrisers Hyderabad | Rising Pune Supergiant | Sunrisers Hyderabad | Sunrisers Hyderabad |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 614 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 615 | Sunrisers Hyderabad | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 616 | Mumbai Indians | Kings XI Punjab | Mumbai Indians | Kings XI Punjab |
| 617 | Royal Challengers Bangalore | Gujarat Lions | Gujarat Lions | Royal Challengers Bangalore |
| 618 | Rising Pune Supergiant | Kolkata Knight Riders | Rising Pune Supergiant | Kolkata Knight Riders |
| 619 | Kings XI Punjab | Sunrisers Hyderabad | Kings XI Punjab | Sunrisers Hyderabad |
| 620 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Mumbai Indians |
| 621 | Kolkata Knight Riders | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 622 | Delhi Daredevils | Rising Pune Supergiant | Rising Pune Supergiant | Rising Pune Supergiant |
| 623 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Royal Challengers Bangalore |
| 624 | Kolkata Knight Riders | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 625 | Sunrisers Hyderabad | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |

| 626 | Kings XI Punjab | Rising Pune Supergiant | Kings XI Punjab | Rising Pune Supergiant |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 627 | Mumbai Indians | Gujarat Lions | Gujarat Lions | Gujarat Lions |
| 628 | Kolkata Knight Riders | Sunrisers Hyderabad | Sunrisers Hyderabad | Kolkata Knight Riders |
| 629 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 630 | Gujarat Lions | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 631 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Sunrisers Hyderabad |
| 632 | Gujarat Lions | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 633 | Sunrisers Hyderabad | Royal Challengers Bangalore | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 634 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 635 | Delhi Daredevils | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 636 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 637 | Rajasthan Royals | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 638 | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |

| 639 | Rajasthan Royals | Delhi Daredevils | Delhi Daredevils | Rajasthan Royals |
|-----|--------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 640 | Mumbai Indians | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 641 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 642 | Mumbai Indians | Delhi Daredevils | Delhi Daredevils | Delhi Daredevils |
| 643 | Kolkata Knight Riders | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 644 | Rajasthan Royals | Royal Challengers Bangalore | Royal Challengers Bangalore | Rajasthan Royals |
| 645 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Kings XI Punjab |
| 646 | Kolkata Knight Riders | Delhi Daredevils | Delhi Daredevils | Kolkata Knight Riders |
| 647 | Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Mumbai Indians |
| 648 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 649 | Kings XI Punjab | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab |
| 650 | Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Chennai Super Kings |
| 651 | Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |

| 652 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 653 | Chennai Super Kings | Sunrisers Hyderabad | Sunrisers Hyderabad | Chennai Super Kings |
| 654 | Mumbai Indians | Rajasthan Royals | Mumbai Indians | Rajasthan Royals |
| 655 | Kings XI Punjab | Delhi Daredevils | Delhi Daredevils | Kings XI Punjab |
| 656 | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians | Sunrisers Hyderabad |
| 657 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 658 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 659 | Delhi Daredevils | Kolkata Knight Riders | Kolkata Knight Riders | Delhi Daredevils |
| 660 | Chennai Super Kings | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 661 | Sunrisers Hyderabad | Rajasthan Royals | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 662 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 663 | Chennai Super Kings | Delhi Daredevils | Delhi Daredevils | Chennai Super Kings |
| 664 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Royal Challengers Bangalore |

| 665 | Delhi Daredevils | Rajasthan Royals | Rajasthan Royals | Delhi Daredevils |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 666 | Chennai Super Kings | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 667 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 668 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 669 | Delhi Daredevils | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad |
| 670 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Mumbai Indians |
| 671 | Rajasthan Royals | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 672 | Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Sunrisers Hyderabad |
| 673 | Rajasthan Royals | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals |
| 674 | Mumbai Indians | Kolkata Knight Riders | Kolkata Knight Riders | Mumbai Indians |
| 675 | Delhi Daredevils | Sunrisers Hyderabad | Delhi Daredevils | Sunrisers Hyderabad |
| 676 | Chennai Super Kings | Rajasthan Royals | Chennai Super Kings | Rajasthan Royals |
| 677 | Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab | Kolkata Knight Riders |
| 678 | Delhi Daredevils | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |

| 679 | Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 680 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 681 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 682 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 683 | Mumbai Indians | Kings XI Punjab | Kings XI Punjab | Mumbai Indians |
| 684 | Royal Challengers Bangalore | Sunrisers Hyderabad | Sunrisers Hyderabad | Royal Challengers Bangalore |
| 685 | Delhi Daredevils | Chennai Super Kings | Chennai Super Kings | Delhi Daredevils |
| 686 | Rajasthan Royals | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals |
| 687 | Sunrisers Hyderabad | Kolkata Knight Riders | Sunrisers Hyderabad | Kolkata Knight Riders |
| 688 | Delhi Daredevils | Mumbai Indians | Delhi Daredevils | Delhi Daredevils |
| 689 | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 690 | Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 691 | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals | Kolkata Knight Riders |
| 692 | Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Sunrisers Hyderabad |
| | | | | |

| Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| Sunrisers Hyderabad | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| Delhi Capitals | Mumbai Indians | Mumbai Indians | Delhi Capitals |
| Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Kings XI Punjab |
| Delhi Capitals | Chennai Super Kings | Delhi Capitals | Chennai Super Kings |
| Kolkata Knight Riders | Kings XI Punjab | Kings XI Punjab | Kolkata Knight Riders |
| Mumbai Indians | Royal Challengers Bangalore | Royal Challengers Bangalore | Mumbai Indians |
| Rajasthan Royals | Sunrisers Hyderabad | Rajasthan Royals | Sunrisers Hyderabad |
| Mumbai Indians | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| Kolkata Knight Riders | Delhi Capitals | Delhi Capitals | Delhi Capitals |
| Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Sunrisers Hyderabad |
| Chennai Super Kings | Rajasthan Royals | Rajasthan Royals | Chennai Super Kings |
| Kings XI Punjab | Delhi Capitals | Delhi Capitals | Kings XI Punjab |
| | Royal Challengers Bangalore Sunrisers Hyderabad Delhi Capitals Kings XI Punjab Delhi Capitals Kolkata Knight Riders Mumbai Indians Rajasthan Royals Mumbai Indians Kolkata Knight Riders Chennai Super Kings Kings XI | HyderabadKingsRoyal Challengers BangaloreChennai Super KingsSunrisers HyderabadKolkata Knight RidersDelhi CapitalsMumbai IndiansKings XI PunjabRajasthan RoyalsDelhi CapitalsChennai Super KingsKolkata Knight RidersKings XI PunjabMumbai IndiansRoyal Challengers BangaloreRajasthan RoyalsSunrisers HyderabadMumbai IndiansKings XI PunjabKolkata Kolkata Knight RidersDelhi CapitalsSunrisers HyderabadRoyal Challengers BangaloreSunrisers HyderabadRoyal Challengers BangaloreChennai Super KingsRajasthan RoyalsKings XIDelhi CapitalsKings XIDelhi Capitals | HyderabadKingsKingsRoyal Challengers BangaloreChennai Super KingsChennai Super KingsSunrisers HyderabadKolkata Knight RidersKolkata Knight RidersDelhi CapitalsMumbai IndiansMumbai IndiansKings XI PunjabRajasthan RoyalsRajasthan RoyalsDelhi CapitalsChennai Super |

| 707 | Royal Challengers Bangalore | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
|-----|-----------------------------------|--------------------------|--------------------------|-----------------------|
| 708 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Mumbai Indians |
| 709 | Delhi Capitals | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 710 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 711 | Chennai Super Kings | Kings XI Punjab | Chennai Super Kings | Chennai Super Kings |
| 712 | Mumbai Indians | Sunrisers Hyderabad | Sunrisers Hyderabad | Mumbai Indians |
| 713 | Royal Challengers Bangalore | Delhi Capitals | Delhi Capitals | Delhi Capitals |
| 714 | Rajasthan Royals | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 715 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |
| 716 | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 717 | Kings XI Punjab | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 718 | Rajasthan Royals | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 719 | Kolkata Knight Riders | Delhi Capitals | Delhi Capitals | Delhi Capitals |
| 720 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |

| 721 | Kings XI Punjab | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 722 | Kolkata Knight Riders | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 723 | Delhi Capitals | Sunrisers Hyderabad | Sunrisers Hyderabad | Delhi Capitals |
| 724 | Royal Challengers Bangalore | Mumbai Indians | Mumbai Indians | Mumbai Indians |
| 725 | Kings XI Punjab | Rajasthan Royals | Rajasthan Royals | Kings XI Punjab |
| 726 | Chennai Super Kings | Sunrisers Hyderabad | Chennai Super Kings | Sunrisers Hyderabad |
| 727 | Mumbai Indians | Delhi Capitals | Mumbai Indians | Mumbai Indians |
| 728 | Royal Challengers Bangalore | Kolkata Knight Riders | Kolkata Knight Riders | Royal Challengers Bangalore |
| 729 | Mumbai Indians | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 730 | Kings XI Punjab | Delhi Capitals | Delhi Capitals | Delhi Capitals |
| 731 | Kolkata Knight Riders | Sunrisers Hyderabad | Sunrisers Hyderabad | Sunrisers Hyderabad |
| 732 | Royal Challengers Bangalore | Chennai Super Kings | Chennai Super Kings | Royal Challengers Bangalore |
| 733 | Rajasthan Royals | Delhi Capitals | Delhi Capitals | Delhi Capitals |

| 734 | Sunrisers Hyderabad | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
|-----|-----------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| 735 | Royal Challengers Bangalore | Kings XI Punjab | Kings XI Punjab | Royal Challengers Bangalore |
| 736 | Kolkata Knight Riders | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 737 | Mumbai Indians | Chennai Super Kings | Chennai Super Kings | Mumbai Indians |
| 738 | Sunrisers Hyderabad | Rajasthan Royals | Rajasthan Royals | Rajasthan Royals |
| 739 | Delhi Capitals | Royal Challengers Bangalore | Delhi Capitals | Delhi Capitals |
| 740 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Kolkata Knight Riders |
| 741 | Sunrisers Hyderabad | Kings XI Punjab | Kings XI Punjab | Sunrisers Hyderabad |
| 742 | Chennai Super Kings | Delhi Capitals | Delhi Capitals | Chennai Super Kings |
| 743 | Mumbai Indians | Sunrisers Hyderabad | Mumbai Indians | Mumbai Indians |
| 744 | Kings XI Punjab | Kolkata Knight Riders | Kolkata Knight Riders | Kolkata Knight Riders |
| 745 | Rajasthan Royals | Delhi Capitals | Rajasthan Royals | Delhi Capitals |
| 746 | Sunrisers Hyderabad | Royal Challengers Bangalore | Royal Challengers Bangalore | Royal Challengers Bangalore |
| 747 | Chennai Super Kings | Kings XI Punjab | Kings XI Punjab | Kings XI Punjab |

| 748 | Kolkata Knight Riders | Mumbai Indians | Mumbai Indians | Mumbai Indians |
|-----|--------------------------|------------------------|------------------------|---------------------|
| 749 | Chennai Super Kings | Mumbai Indians | Chennai Super Kings | Mumbai Indians |
| 750 | Sunrisers Hyderabad | Delhi Capitals | Delhi Capitals | Delhi Capitals |
| 751 | Delhi Capitals | Chennai Super Kings | Chennai Super Kings | Chennai Super Kings |
| 752 | Mumbai Indians | Chennai Super Kings | Mumbai Indians | Mumbai Indians |

Now we work on putting mathematical values to data, since there are 14 unique teams that could be found, so we number the various teams like that and modify the values and put them in a new dataframe

| Team name | Number assigned |
|-----------------------------|-----------------|
| Sunrisers Hyderabad | 0 |
| Mumbai Indians | 1 |
| Gujarat Lions | 2 |
| Rising Pune Supergiant | 3 |
| Royal Challengers Bangalore | 4 |
| Kolkata Knight Riders | 5 |
| Delhi Daredevils | 6 |
| Kings XI Punjab | 7 |
| Chennai Super Kings | 8 |
| Rajasthan Royals | 9 |

| Deccan Chargers | 10 |
|----------------------|----|
| Kochi Tuskers Kerala | 11 |
| Pune Warriors | 12 |
| Delhi Capitals | 13 |

```
t1 = np.array(df['team1'].values)
t2 = np.array(df['team2'].values)
t_win = np.array(df['toss_winner'].values)
win = np.array(df['winner'].values)

#team_uni contains the names of the teams uniquely
for i in range(752):
    for j in range(14):
        if t1[i] == team_uni[j]:
            t1[i] = j
        if t2[i] == team_uni[j]:
            t2[i] = j
        if t_win[i] == team_uni[j]:
            t_win[i] == team_uni[j]:
            win[i] == team_uni[j]:
            win[i] == team_uni[j]:
            win[i] == team_uni[j]:
            win[i] = j
```

Other than this, a new column, **Pred** is created which stores values as follows

| Туре | Value assigned |
|-----------------------------------|----------------|
| Toss winner won the match | 1 |
| Toss winner did not win the match | 0 |

```
arr_res = []
for i in range(752):
    if t_win[i] == win[i]:
        arr_res.append([t1[i],t2[i],t_win[i],win[i],1])
    else:
        arr_res.append([t1[i],t2[i],t_win[i],win[i],0])
arr_res
```

```
df2 = pd.DataFrame(columns =
['Team1','Team2','Toss_winner','Match_winner','Pred'],data =arr_res)
```

df2 contains the same data as df, but with the mathematical substitution as mentioned in the table above. Now we make the input column for the clusterer.

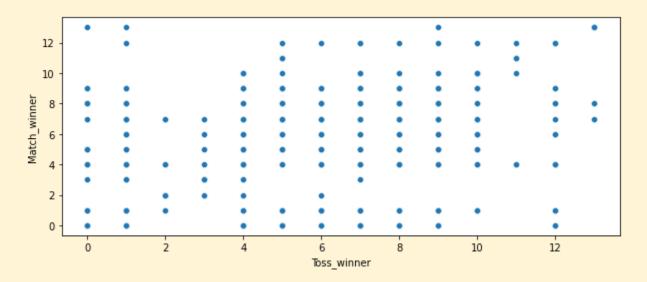
```
x=df2.iloc[:,2:4].values #input
```

Here, we have decided to have two clusters, toss won as well as match won, toss won but match not won. So we are not applying any elbow and silhouette scoring method to find the best possible number of clusters.

However, before applying our clusterer, we would make an attempt to visualise our data.

```
#initial visualisation, before clustering
import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize = (10,4))
sns.scatterplot(df2['Toss_winner'],df2['Match_winner'])
```

Its output was yielded as



Now we dive straight into application of the K-Means clustering.

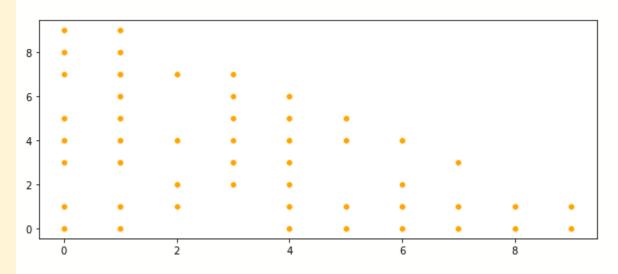
```
#Here I fix the number of clusters to be 2
#now I use clusterer
from sklearn.cluster import KMeans
```

```
model = KMeans(n_clusters = 2, random_state = 0) # there are two clusters,
toss won and match won, toss won and match lost
model.fit(x)
y=model.predict(x) #output
```

Now that we have the output in hand, we would visualise how things are

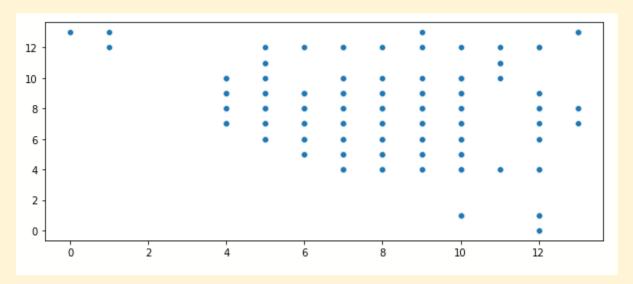
```
#visualisation
import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize = (10,4))
for i in range(1,2):
   sns.scatterplot(x[y==i,0],x[y == i,1],color='orange')
```

Here I try to visualise the matches where the toss winner won the match using orange colour.



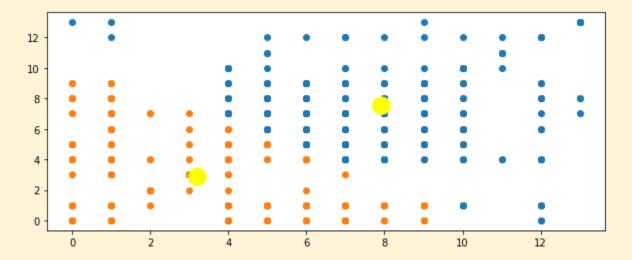
Now, I try to visualise the matches where the toss winner did not win the match using deep blue colour.

```
#visualisation
import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize = (10,4))
for i in range(0,2,2):
    sns.scatterplot(x[y==i,0],x[y == i,1])
```



Now we are in a position to visualise the entire data in two clusters, as follows. We shall also mark their centroids with yellow dots.

```
import matplotlib.pyplot as plt
import seaborn as sns
plt.figure(figsize = (10,4))
for i in range(2):
   plt.scatter(x[y==i,0],x[y == i,1],label = f'Cluster {i}')
plt.scatter(model.cluster_centers_[:,0],model.cluster_centers_[:,1],s= 300,c =
'yellow',label ='centroids')
```



From this graph, we can clearly see that we can distinguish the two clusters by using a straight line, which is left to the visual realisation of the reader. The centroids marked are for conveniently observing the centres of the clusters.

Link to my GitHub account for referring to the content of this project

https://github.com/shibangshu-pal/DataScienceCourse-Major-Project-2

Google Colab Notebook link for accessing the code

https://colab.research.google.com/drive/1L4 tNzWKeyT4JP De19ZUmyXwoWD8BD7?usp=sharing

This is a view only link. Please request for any edit.

Inference and conclusive remarks

When we start to visualise the clustered data, we can see the centroids of the datas classified by K-Means. And from the applied classification, it was seen that contrary to the popular saying, it might not be the fact that the toss winner becomes the match winner. Rather, our data seemed to point that rather the contrary is true in this case. However, such a conclusion is not absolute, neither the data set we have here is exhaustive. It is always possible for a bigger set of data the clusters come up in a different way, justifying the popular belief. So from this, it was not possible to clearly come to any direct correlation between the toss winning by a certain team and the match being won by them.

However, it is to be noted that such a K-means clustering project can be a prototype for a larger scale project considering more intricate factors and larger dataset for coming to accurate conclusions.