scorecard-generator-web-scrapping

May 28, 2023

1 Building an Automated IPL Scorecard Generator (Web Scrapping)

The primary objective of this project was to research and collect data on the IPL 2023 matches from the official CricBuzz website. To achieve this, the project utilized the BeautifulSoup and Pandas libraries in Python for web scraping and organizing the acquired data into CSV files.

```
[1]: from bs4 import BeautifulSoup as bs
     import requests
     import pandas as pd
     import numpy as np
     import re
```

```
[2]: url = 'https://www.cricbuzz.com/cricket-series/5945/indian-premier-league-2023/
      ↪matches'
     page = requests.get(url)
     soup = bs(page.text)
     n = 1
     ipl_matches = []
     for i,x in enumerate(soup.find_all('a', class_="text-hvr-underline")):
       if n > 74:
         break
       else:
         url = f"https://www.cricbuzz.com/live-cricket-scorecard/{'/'.join(x.
      ↪get('href').split('/')[2:])}"
         ipl_matches.append(url)
         n+=1
```

```
[3]: len(ipl_matches)
```

```
[3]: 74
```

```
[4]: ipl_matches[43]
```

```
[4]: 'https://www.cricbuzz.com/live-cricket-scorecard/66320/dc-vs-gt-44th-match-
     indian-premier-league-2023'
```

```
[5]: page = requests.get(ipl_matches[2])
     soup = bs(page.text)
```

```
[6]: soup = bs(page.text)
     for i in soup.find('div', class_="cb-col cb-col-100 cb-bg-white").
       ↪find_all('div'):
       try:
         print(i.find('div', id='innings_1').text)
         continue
       except:
         continue
```

    Lucknow Super Giants Innings 193-6 (20 Ov)   Batter R B 4s 6s SR   Rahul
(c)   c Axar b Chetan Sakariya   8 12 0 1 66.67   K Mayers   b Axar
    73 38 2 7 192.11   Deepak Hooda   c Warner b Kuldeep Yadav   17
18 0 0 94.44   Krunal Pandya   not out 15 13 0 1 115.38   Stoinis
c Sarfaraz Khan b Khaleel Ahmed   12 10 0 1 120.00   Pooran (wk)   c
Prithvi Shaw b Khaleel Ahmed   36 21 2 3 171.43   Ayush Badoni   c
Sarfaraz Khan b Chetan Sakariya   18 7 1 2 257.14   K Gowtham   not
out 6 1 0 1 600.00   Extras 8   (b 1, lb 2, w 5, nb 0, p 0)   Total 193
 (6 wkts, 20 Ov)   Did not Bat   Mark Wood , Jaydev Unadkat , Ravi Bishnoi ,
Avesh Khan   Fall of Wickets19-1 (Rahul, 3.6), 98-2 (Deepak Hooda, 10.6),
100-3 (K Mayers, 11.3), 117-4 (Stoinis, 14.1), 165-5 (Pooran, 18.3), 187-6
(Ayush Badoni, 19.5)   Bowler O M R W NB WD ECO   Khaleel Ahmed   4 0 30 2 0 1
7.50   Mukesh Kumar   4 0 34 0 0 1 8.50   Chetan Sakariya   4 0 53 2 0
3 13.20   Axar   4 0 38 1 0 0 9.50   Kuldeep Yadav   4 0 35 1 0 0 8.80
Powerplays Overs Runs   Mandatory 0.1-6 30

```
[7]: l = 0

     for url in ipl_matches:
       page = requests.get(url)
       soup = bs(page.text)
       print('\nMatch no.',l,'\n')
       try:
         for i in soup.find('div', id=f'innings_{1}').find_all('div')[11::9]:
             if i.text.strip().split('  ')[2].strip()[0] == '(':
                 l+=1
                 break
             else:
                 pass
       except:
         print('Match is still pending hold your!!!')
         break
```

    Match no. 0
```

Match no. 1

Match no. 2

Match no. 3

Match no. 4

Match no. 5

Match no. 6

Match no. 7

Match no. 8

Match no. 9

Match no. 10

Match no. 11

Match no. 12

Match no. 13

Match no. 14

Match no. 15

Match no. 16

Match no. 17

Match no. 18

Match no. 19

Match no. 20

Match no. 21

Match no. 22

Match no. 23

Match no. 24

Match no. 25

Match no. 26

Match no. 27

Match no. 28

Match no. 29

Match no. 30

Match no. 31

Match no. 32

Match no. 33

Match no. 34

Match no. 35

Match no. 36

Match no. 37

Match no. 38

Match no. 39

Match no. 40

Match no. 41

Match no. 42

Match no. 43

Match no. 44

Match no. 45

Match no. 46

Match no. 47

Match no. 48

Match no. 49

Match no. 50

Match no. 51

Match no. 52

Match no. 53

Match no. 54

Match no. 55

Match no. 56

Match no. 57

Match no. 58

Match no. 59

Match no. 60

Match no. 61

Match no. 62

Match no. 63

Match no. 64

Match no. 65

Match no. 66

Match no. 67

Match no. 68

Match no. 69

Match no. 70

Match no. 71

Match no. 72

Match no. 73

Match is still pending hold your!!!

```python
def get_stats(m):
    batter, runs, balls, fours, sixes, sr, wicket, dismissal, catches = [], [],
    [], [], [], [], [], [], []
    t1, t2 = ' '.join(soup.find('h1').text.split()[:-7]).strip(',').split(' vs ')

    for i in soup.find('div', id=f'innings_{m}').find_all('div')[11::9]:
        stat0 = i.text.strip().split('  ')[2].strip()

        if stat0[0] == '(':
            break
        else:
            if stat0.split()[0] == 'lbw':
                dismissal.append('lbw')
                catches.append('-')
                wicket.append(''.join(stat0.split('b')[-1]))
            elif stat0.split()[0] == 'b':
                wicket.append(stat0.split('b')[-1])
```

```python
        dismissal.append('bowled')
        catches.append('-')
      elif stat0.split()[0] == 'c':
        if re.search('sub', stat0):
          catches.append(stat0.split(')')[-1].split('b')[0].strip())
        else:
          catches.append(' '.join(stat0.split('b')[0].split()[1:]))
        dismissal.append('caught')
        wicket.append(''.join(stat0.split('b')[-1]))
      else:
        dismissal.append(stat0)
        catches.append('-')
        wicket.append('-')

      n = len(i.text.strip().split('  ')) - 1
      batting = i.text.strip().split('  ')
      batter.append(batting[0])

      stat1 = batting[n].split()

      runs.append(stat1[0])
      balls.append(stat1[1])
      fours.append(stat1[2])
      sixes.append(stat1[3])
      sr.append(stat1[4])

  for i in soup.find('div', id=f'innings_{m}').find_all('div'):
    if re.search('Bowler', i.text):
      card = i.text.strip()
      bowlers = card.split('  ')[2::][::5]

      stat2 = ''.join(card.split('  ')[3::][::5]).split()

      overs = stat2[::7]
      maidens = stat2[1::7]
      Runs = stat2[2::7]
      wickets = stat2[3::7]
      no_balls = stat2[4::7]
      wide = stat2[5::7]
      economy = stat2[6::7]
      break
  if m == 1:
    team1 = t2
    team2 = t1
  else:
    team1 = t1
    team2 = t2
```

```
batting = pd.DataFrame({'Innings': m,'Team': team1,'Batter': batter, 'Runs':␣
↪runs, 'Balls': balls, '4s': fours, '6s': sixes, 'SR': sr,'Dismissal':␣
↪dismissal, 'Wicket by': wicket, 'Catch': catches})
batting.index = np.arange(1, len(batting) + 1)
bowling = pd.DataFrame({'Team': team2,'Bowlers':bowlers, 'Overs': overs,␣
↪'Maidens': maidens, 'Runs': Runs, 'Wickets': wickets, 'No Balls': no_balls,␣
↪'Wide': wide, 'Economy': economy})
bowling.index = np.arange(1, len(bowling) + 1)
innings = pd.concat([batting,bowling], axis=1).replace(np.nan, '-')
m+=1
return innings
```

[9]:
```
page = requests.get(ipl_matches[0])
soup = bs(page.text)

get_stats(1)
```

[9]:
	Innings	Team	Batter	Runs	Balls	4s	6s	SR	\
1	1	Chennai Super Kings	Conway	1	6	0	0	16.67	
2	1	Chennai Super Kings	Ruturaj Gaikwad	92	50	4	9	184.00	
3	1	Chennai Super Kings	Moeen	23	17	4	1	135.29	
4	1	Chennai Super Kings	Stokes	7	6	1	0	116.67	
5	1	Chennai Super Kings	Rayudu	12	12	0	1	100.00	
6	1	Chennai Super Kings	Shivam Dube	19	18	0	1	105.56	
7	1	Chennai Super Kings	Ravindra Jadeja	1	2	0	0	50.00	
8	1	Chennai Super Kings	Dhoni (c & wk)	14	7	1	1	200.00	
9	1	Chennai Super Kings	Santner	1	3	0	0	33.33	

	Dismissal	Wicket by	Catch	Team	\
1	bowled	Shami	-	Gujarat Titans	
2	caught	Alzarri Joseph	Shu	Gujarat Titans	
3	caught	Rashid Khan	W Saha	Gujarat Titans	
4	caught	Rashid Khan	W Saha	Gujarat Titans	
5	bowled	Joshua Little	-	Gujarat Titans	
6	caught	Shami	Rashid Khan	Gujarat Titans	
7	caught	Alzarri Joseph	Vijay Shankar	-	
8	not out	-	-	-	
9	not out	-	-	-	

	Bowlers	Overs	Maidens	Runs	Wickets	No Balls	Wide	Economy
1	Shami	4	0	29	2	1	0	7.20
2	Hardik Pandya (c)	3	0	28	0	0	0	9.30
3	Joshua Little	4	0	41	1	0	0	10.20
4	Rashid Khan	4	0	26	2	0	0	6.50
5	Alzarri Joseph	4	0	33	2	0	0	8.20
6	Yash Dayal	1	0	14	0	0	0	14.00

9

```
7                    -    -     -    -         -          -     -       -
8                    -    -     -    -         -          -     -       -
9                    -    -     -    -         -          -     -       -
```

[10]: `get_stats(2)`

[10]:
```
   Innings        Team              Batter  Runs  Balls  4s  6s      SR  \
1        2  Gujarat Titans  Wriddhiman Saha (wk)    25     16   2   2  156.25
2        2  Gujarat Titans         Shubman Gill    63     36   6   3  175.00
3        2  Gujarat Titans         Sai Sudharsan    22     17   3   0  129.41
4        2  Gujarat Titans      Hardik Pandya (c)     8     11   0   0   72.73
5        2  Gujarat Titans        Vijay Shankar    27     21   2   1  128.57
6        2  Gujarat Titans        Rahul Tewatia    15     14   1   1  107.14
7        2  Gujarat Titans           Rashid Khan    10      3   1   1  333.33
```

```
   Dismissal                Wicket by            Catch                 Team  \
1     caught  Rajvardhan Hangargekar         Shivam Du  Chennai Super Kings
2     caught        Tushar Deshpande  Ruturaj Gaikwad  Chennai Super Kings
3     caught  Rajvardhan Hangargekar             Dhoni  Chennai Super Kings
4     bowled          Ravindra Jadeja                -  Chennai Super Kings
5     caught  Rajvardhan Hangargekar           Santner  Chennai Super Kings
6    not out                       -                -                    -
7    not out                       -                -                    -
```

```
                  Bowlers  Overs  Maidens  Runs  Wickets  No Balls  Wide  Economy
1          Deepak Chahar      4        0    29        0         0     0     7.20
2       Tushar Deshpande    3.2        0    51        1         1     1    15.30
3  Rajvardhan Hangargekar      4        0    36        3         1     3     9.00
4        Mitchell Santner      4        0    32        0         0     0     8.00
5         Ravindra Jadeja      4        0    28        1         0     0     7.00
6                       -      -        -     -        -         -     -        -
7                       -      -        -     -        -         -     -        -
```

[11]:
```
innings = pd.concat([get_stats(1), get_stats(2)]).reset_index(drop=True)
innings
```

[11]:
```
   Innings                 Team              Batter  Runs  Balls  4s  6s  \
0        1  Chennai Super Kings             Conway     1      6   0   0
1        1  Chennai Super Kings     Ruturaj Gaikwad    92     50   4   9
2        1  Chennai Super Kings              Moeen    23     17   4   1
3        1  Chennai Super Kings              Stokes     7      6   1   0
4        1  Chennai Super Kings             Rayudu    12     12   0   1
5        1  Chennai Super Kings         Shivam Dube    19     18   0   1
6        1  Chennai Super Kings     Ravindra Jadeja     1      2   0   0
7        1  Chennai Super Kings       Dhoni (c & wk)    14      7   1   1
8        1  Chennai Super Kings             Santner     1      3   0   0
9        2        Gujarat Titans  Wriddhiman Saha (wk)    25     16   2   2
```

```
10        2     Gujarat Titans          Shubman Gill    63   36  6  3
11        2     Gujarat Titans          Sai Sudharsan   22   17  3  0
12        2     Gujarat Titans       Hardik Pandya (c)   8   11  0  0
13        2     Gujarat Titans          Vijay Shankar   27   21  2  1
14        2     Gujarat Titans          Rahul Tewatia   15   14  1  1
15        2     Gujarat Titans            Rashid Khan   10    3  1  1

            SR Dismissal             Wicket by          Catch   \
0    16.67    bowled                     Shami              -
1   184.00    caught          Alzarri Joseph                Shu
2   135.29    caught             Rashid Khan             W Saha
3   116.67    caught             Rashid Khan             W Saha
4   100.00    bowled           Joshua Little              -
5   105.56    caught                     Shami       Rashid Khan
6    50.00    caught          Alzarri Joseph     Vijay Shankar
7   200.00    not out                    -                  -
8    33.33    not out                    -                  -
9   156.25    caught   Rajvardhan Hangargekar         Shivam Du
10  175.00    caught        Tushar Deshpande  Ruturaj Gaikwad
11  129.41    caught   Rajvardhan Hangargekar            Dhoni
12   72.73    bowled         Ravindra Jadeja              -
13  128.57    caught   Rajvardhan Hangargekar           Santner
14  107.14    not out                    -                  -
15  333.33    not out                    -                  -

                  Team                   Bowlers Overs Maidens Runs Wickets  \
0          Gujarat Titans                  Shami     4       0   29       2
1          Gujarat Titans       Hardik Pandya (c)     3       0   28       0
2          Gujarat Titans          Joshua Little     4       0   41       1
3          Gujarat Titans            Rashid Khan     4       0   26       2
4          Gujarat Titans         Alzarri Joseph     4       0   33       2
5          Gujarat Titans             Yash Dayal     1       0   14       0
6                       -                       -     -       -    -       -
7                       -                       -     -       -    -       -
8                       -                       -     -       -    -       -
9     Chennai Super Kings          Deepak Chahar     4       0   29       0
10    Chennai Super Kings       Tushar Deshpande   3.2       0   51       1
11    Chennai Super Kings  Rajvardhan Hangargekar     4       0   36       3
12    Chennai Super Kings        Mitchell Santner     4       0   32       0
13    Chennai Super Kings         Ravindra Jadeja     4       0   28       1
14                      -                       -     -       -    -       -
15                      -                       -     -       -    -       -

    No Balls Wide Economy
0          1    0     7.20
1          0    0     9.30
2          0    0    10.20
```

```
3          0    0     6.50
4          0    0     8.20
5          0    0    14.00
6          -    -        -
7          -    -        -
8          -    -        -
9          0    0     7.20
10         1    1    15.30
11         1    3     9.00
12         0    0     8.00
13         0    0     7.00
14         -    -        -
15         -    -        -
```

```python
[12]: path = '/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data'
```

```python
[13]: for j in range(len(ipl_matches)):
          matches = '-'.join(ipl_matches[j].split('/')[-1].split('-')[:3])
          t = j+1
          print(f'{path}/Match {t} {matches.upper()}')
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 1 CSK-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 2 PBKS-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 3 LSG-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 4 RR-VS-
SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 5 MI-VS-
RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 6 CSK-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 7 DC-VS-
GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 8 PBKS-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 9 KKR-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 10 SRH-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 11 RR-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 12 MI-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 13 GT-
VS-KKR
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 14 PBKS-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 15 RCB-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 16 DC-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 17 RR-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 18 PBKS-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 19 SRH-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 20 RCB-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 21 LSG-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 22 KKR-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 23 GT-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 24 CSK-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 25 MI-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 26 LSG-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 27 RCB-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 28 KKR-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 29 SRH-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 30 GT-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 31 PBKS-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 32 RCB-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 33 CSK-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 34 DC-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 35 GT-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 36 KKR-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 37 RR-
VS-CSK
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 38 LSG-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 39 KKR-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 40 SRH-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 41 CSK-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 42 RR-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 43 RCB-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 44 DC-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 45 LSG-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 46 PBKS-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 47 KKR-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 48 RR-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 49 MI-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 50 RCB-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 51 GT-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 52 RR-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 53 PBKS-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 54 RCB-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 55 CSK-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 56 KKR-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 57 MI-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 58 SRH-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 59 PBKS-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 60 RCB-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 61 CSK-
VS-KKR
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 62 GT-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 63 LSG-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 64 DC-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 65 SRH-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 66 PBKS-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 67 CSK-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 68 LSG-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 69 SRH-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 70 RCB-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 71 CSK-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 72 MI-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 73 GT-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 74 CSK-
VS-GT
```

[14]:
```python
t1, t2 = ' '.join(soup.find('h1').text.split()[:-7]).strip(',').split(' vs ')

matches = '-'.join(ipl_matches[2].split('/')[-1].split('-')[:3])
```

[15]:
```python
soup.find('div', ng_repeat="ts in match.full_commentary.timestamps")
```

[16]:
```python
paths = []
for j in range(len(ipl_matches)):
    matches = '-'.join(ipl_matches[j].split('/')[-1].split('-')[:3])
    t = j+1
    print(f'{path}/Match {t} {matches.upper()}')
    paths.append(f'{path}/Match {t} {matches.upper()}')
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 1 CSK-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 2 PBKS-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 3 LSG-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 4 RR-VS-
SRH
```

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 5 MI-VS-
RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 6 CSK-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 7 DC-VS-
GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 8 PBKS-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 9 KKR-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 10 SRH-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 11 RR-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 12 MI-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 13 GT-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 14 PBKS-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 15 RCB-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 16 DC-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 17 RR-
VS-CSK
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 18 PBKS-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 19 SRH-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 20 RCB-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 21 LSG-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 22 KKR-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 23 GT-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 24 CSK-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 25 MI-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 26 LSG-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 27 RCB-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 28 KKR-
VS-DC
```

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 29 SRH-VS-CSK

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 30 GT-VS-LSG

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 31 PBKS-VS-MI

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 32 RCB-VS-RR

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 33 CSK-VS-KKR

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 34 DC-VS-SRH

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 35 GT-VS-MI

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 36 KKR-VS-RCB

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 37 RR-VS-CSK

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 38 LSG-VS-PBKS

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 39 KKR-VS-GT

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 40 SRH-VS-DC

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 41 CSK-VS-PBKS

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 42 RR-VS-MI

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 43 RCB-VS-LSG

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 44 DC-VS-GT

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 45 LSG-VS-CSK

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 46 PBKS-VS-MI

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 47 KKR-VS-SRH

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 48 RR-VS-GT

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 49 MI-VS-CSK

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 50 RCB-VS-DC

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 51 GT-VS-LSG

/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 52 RR-VS-SRH

```
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 53 PBKS-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 54 RCB-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 55 CSK-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 56 KKR-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 57 MI-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 58 SRH-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 59 PBKS-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 60 RCB-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 61 CSK-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 62 GT-
VS-SRH
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 63 LSG-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 64 DC-
VS-PBKS
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 65 SRH-
VS-RCB
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 66 PBKS-
VS-RR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 67 CSK-
VS-DC
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 68 LSG-
VS-KKR
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 69 SRH-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 70 RCB-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 71 CSK-
VS-GT
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 72 MI-
VS-LSG
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 73 GT-
VS-MI
/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data/Match 74 CSK-
VS-GT
```

```python
[17]: for j, url in enumerate(ipl_matches):
          try:
```

```
    path = '/content/drive/MyDrive/Colab Notebooks/# Akashik Records/IPL Data'
    matches = '-'.join(ipl_matches[j].split('/')[-1].split('-')[:3])
    t = j+1
    page = requests.get(url)
    soup = bs(page.text)
    innings = pd.concat([get_stats(1), get_stats(2)]).reset_index().
 ↪rename(columns={'index': 'Batting Order'})
    innings.to_csv(f'{path}/Tata-IPL-2023-Match-#{t}-{matches.upper()}.csv',␣
 ↪index=False)
 except:
    print("The match is still pending.")
    break
```

The match is still pending.

[17]: